

Rapidly Creating a Database-Centric Web Application using Oracle HTML DB

Purpose

This lesson shows you how to build a query and update application on a database table using HTML DB.

Topics

This lesson will discuss the following topics:

- ☐ [Overview](#)
- ☐ [Prerequisites](#)
- ☐ [Creating a Table from a Spreadsheet](#)
- ☐ [Adding a Lookup Table](#)
- ☐ [Creating an Application](#)
- ☐ [Adding a Report](#)

- ☐ [Adding a Form](#)
- ☐ [Creating and Applying a New Page Template](#)
- ☐ [Editing Application Objects](#)
- ☐ [Linking your Report to your Form](#)
- ☐ [Creating Users](#)
- ☐ [Authorizing Users](#)

 **Place the cursor on this icon to display all screenshots. You can also place the cursor on each icon to see only the screenshot associated with it.**

HTML DB Overview

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What is HTML DB?

HTML DB provides a declarative development framework for creating database-centric web applications. Development is done using an online service. Deployment is done by downloading a runtime module and your application and running it within your enterprise.

What components make up HTML DB?

HTML DB contains three main components. You will use all three components throughout this lesson.

Application Builder	The Application Builder allows you to build database-centric interactive web applications.
SQL Workshop	The SQL Workshop allows you to run SQL statements and SQL scripts.
Data Workshop	The Data Workshop helps you load data into and extract data from the database.

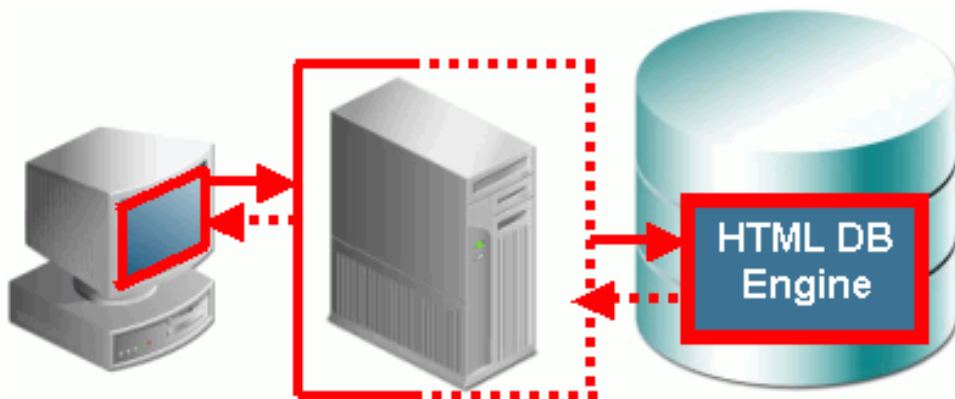
Terminology

The following concepts are important to know when working with HTML DB:

Application	An Application is a collection of pages with branches that connect them. Its attributes include the authentication method, default UI templates, and authorization rules.
Page	A page is defined by how it is rendered or displayed and by how it is processed. Processing refers to the events and logic that occur when the page is submitted. Each page is rendered dynamically at runtime from meta data defined by the Application developer. How a page looks is controlled by page templates.
Region	Content is displayed in regions, which are logical subsections of a page. Each page can have any number of regions of several different types. These types include: HTML text, SQL Queries, PL/SQL generated HTML and charts. Each region is rendered using a region template. Regions are positioned on the page using display points defined in the page template.
Item	Application items are used to generate HTML form elements. The Applications engine manages the generation of the HTML, you as the developer simply choose the item type. Applications supports over 50 such types including date pickers, popup lists of values, text areas with spell checking, etc. The value of an item is automatically stored into session state which can be referenced at any point within the user's session.

Architecture

All applications are rendered in real time from data stored in database tables. When you create or extend your application, no code is generated; metadata is created or modified and stored in database tables. The applications rendering engine reads the metadata and displays the page accordingly.



All session state is also stored in the database. Each page view results in a new database session, so when the applications engine is not processing a page, no database resources are consumed (except for storage space used by table rows). The unique session identifier used to manage your application's session state as the user runs the application from start to finish is unrelated to the many individual database sessions created and run by the runtime engine for each page view.

Applications that execute SQL or PL/SQL are parsed as the "owner" of the application. When your workspace is provisioned you are given the right to parse as a specific schema. Thus all of your Oracle database rights and privileges are that of the schema you choose to parse as.

Prerequisites

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Before starting this module, you should have:

1. Completed the [Configuring Linux for the Installation of Oracle Database 10g](#) lesson
2. Completed the [Installing the Oracle Database 10g on Linux](#) lesson
3. Completed the [Installing Oracle HTTP Server on Linux](#) lesson.
4. Download the [hardware.xls](#) into your working directory. (i.e. /home/oracle/wkdir)

Creating a Table from a Spreadsheet

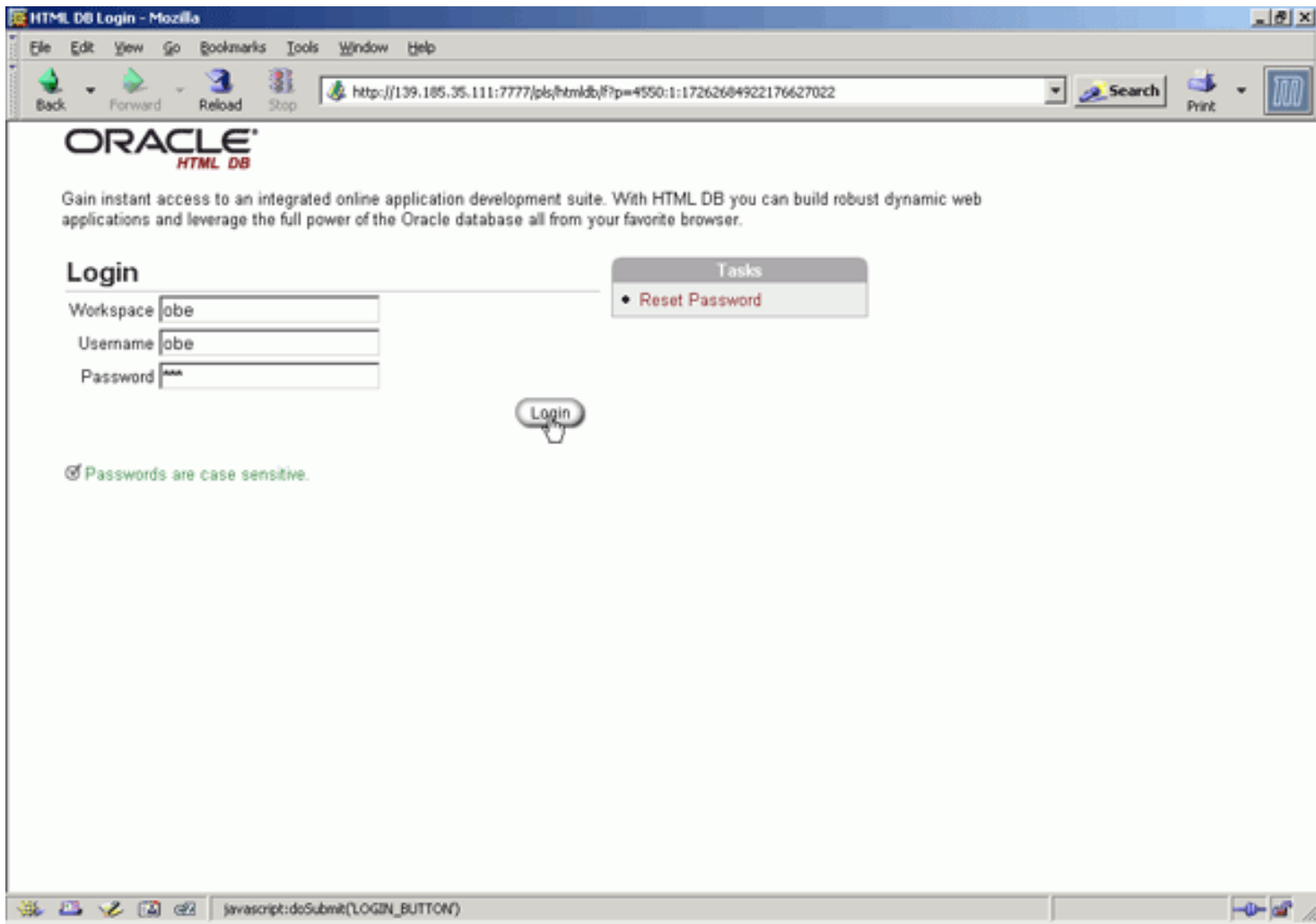
[Back to List](#)

You will first load the data that you will use for this lesson from a spreadsheet. Perform the following:

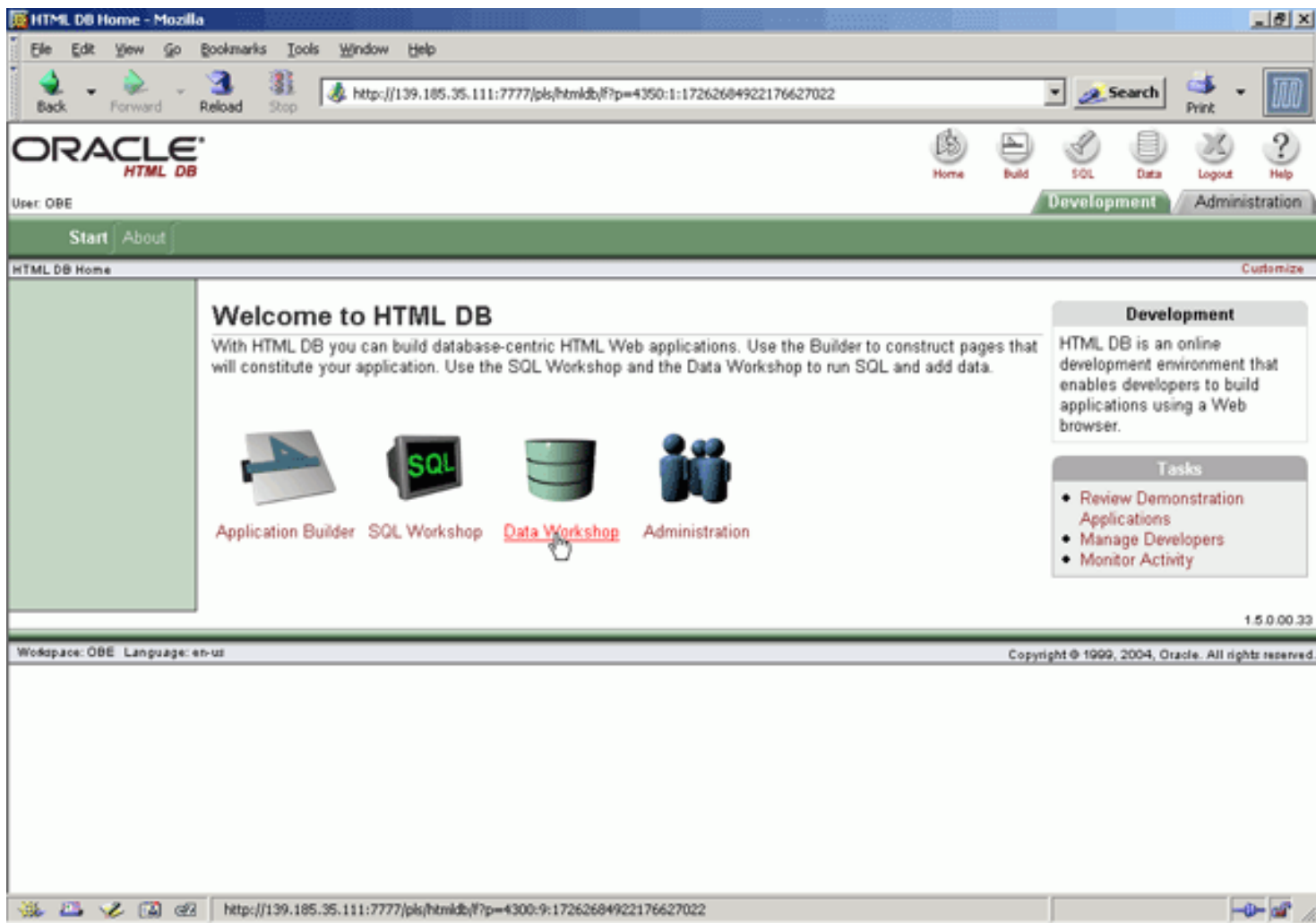
1. Enter the following URL to login to HTML DB:

http://<hostname>:7777/pls/htmldb/htmldb

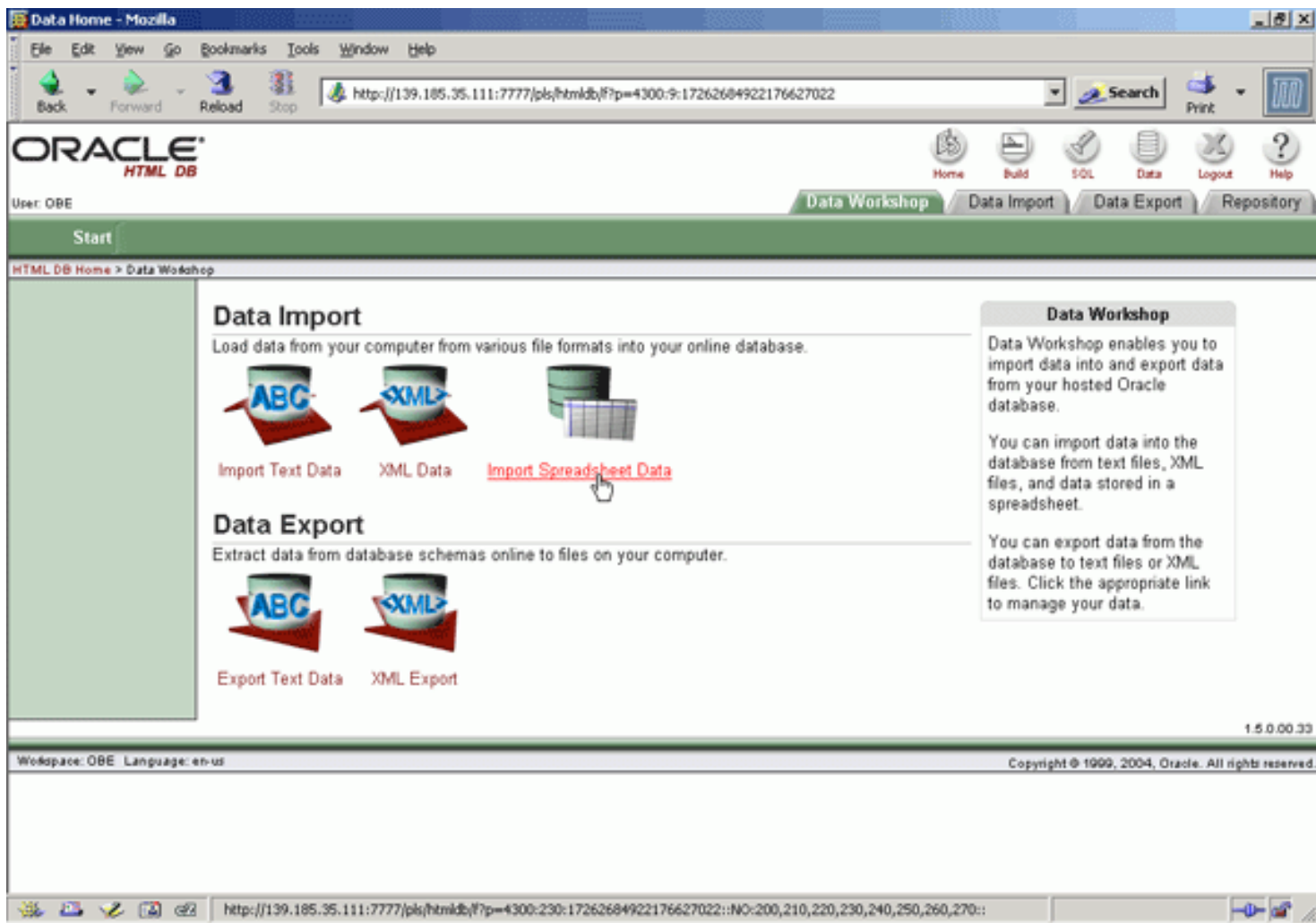
2. Enter your workspace (**obe**), username (**obe**), and password (**obe**) and click **Login** .



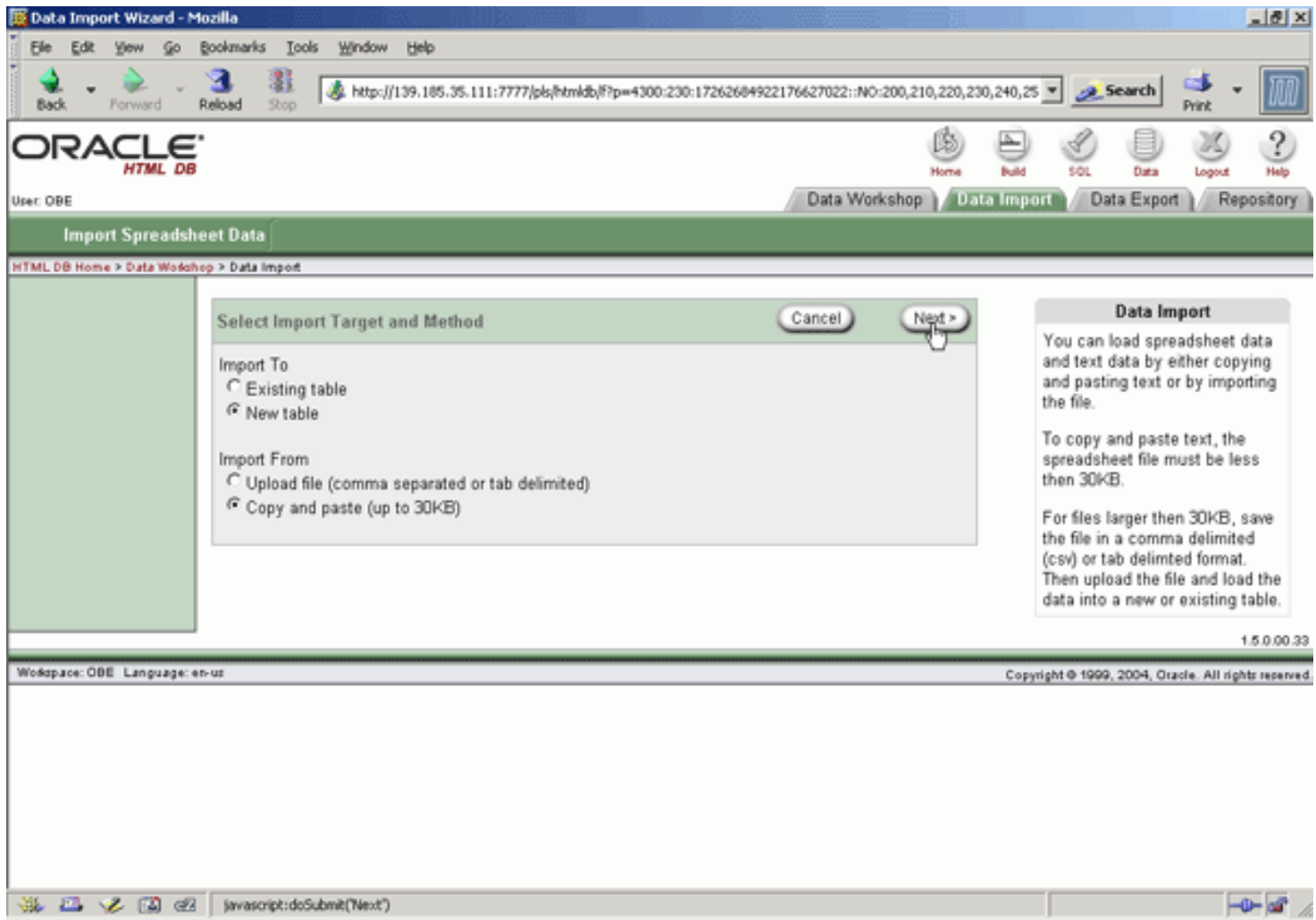
3. You first want to create the table that the application will be based on. Click **Data Workshop** .



4. You want to create the table based on a spreadsheet, click **Import Spreadsheet Data** .



5. Make sure Import To is set to **New table** and Import From is set to **Copy and paste (up to 30KB)** and click **Next**.



6. Open **hardware.xls** in OpenOffice. Select all the data in the spreadsheet and click **ctrl-c** to copy the data to the clipboard.

Microsoft Excel

File Edit View Insert Format Tools Data Window Help

serial#

hardware.xls

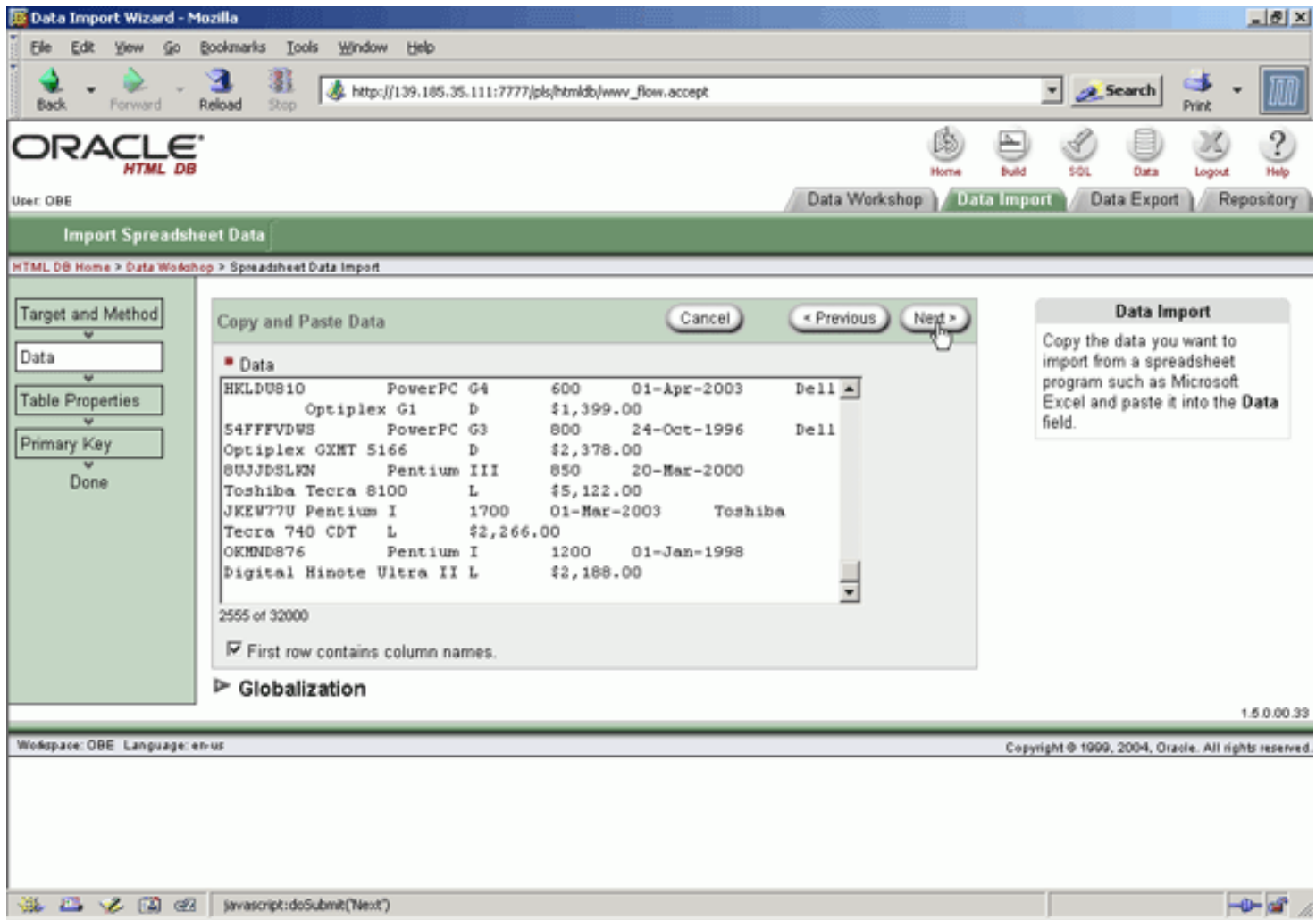
	A	B	C	D	E	F	G	H	I	J	K	L
12	LT55133	Pentium I	100	01-Jan-1996	Digital	Hinote Ultra II	L	\$2,188.00				
13	AA92CSLZE265	Pentium III	750	23-Jun-1999	Compaq	Deskpro	D	\$5,066.00				
14	3J17JZL1345	Pentium III	850	17-Aug-2001	Compaq	Armada 700	L	\$5,119.00				
15	UV103GAJQ105	PowerPC G3	466	02-Nov-2001	Apple	iBook G3	L	\$2,900.00				
16	6901B475	Pentium II	366	03-Dec-1999	Toshiba	Portege 7020CT	L	\$3,321.00				
17	OK765KLJL543	PowerPC G3	450	08-Sep-2000	Apple	Powerbook	L	\$2,870.00				
18	BHDY087	Pentium III	600	27-Oct-2001	Dell	Optiplex	D	\$5,276.00				
19	QT6547PLPS	PowerPC G4	800	01-Jun-2002	Apple	Powerbook	L	\$3,200.00				
20	9875H879	Pentium III	850	05-Oct-2001	Toshiba	Tecra 8200	L	\$5,446.00				
21	H098OIUP296	Pentium IV	1700	27-Apr-2002	Compaq	Evo	D	\$6,477.00				
22	KLJH98798YUTU	Pentium III	1200	12-Jun-2002	Dell	Latitude C610	L	\$5,170.00				
23	GFDU65454OIU	Pentium III	450	24-Oct-2001	Dell	Latitude CS	L	\$5,120.00				
24	QT21603PLP5	PowerPC G4	800	12-Jul-2002	Apple	Powerbook	L	\$3,773.00				
25	QT1030FH	PowerPC G4	667	10-Jan-2002	Apple	Powerbook	L	\$3,800.00				
26	XA9042NUFLO	PowerPC G3	333	13-Apr-2001	Apple	Powerbook	L	\$2,660.00				
27	FL4Q321	Pentium III	2400	10-Dec-2002	Dell	GX260	D	\$6,267.00				
28	WE5483	PowerPC G4	200	09-Oct-2000	Dell	Optiplex	D	\$2,343.00				
29	YUED8688	Pentium III	667	01-Jun-1999	Dell	Optiplex GX1	D	\$3,256.00				
30	UKM7D9J	Pentium IV	1000	12-May-2003	Gateway	Cash Cow	L	\$4,532.00				
31	54HFLDSEG77	Pentium III	466	14-Jun-2003	Toshiba	Tecra 8200	L	\$5,401.00				
32	90DSLFR7	Pentium III	366	15-Jun-2002	Dell	GX240	D	\$6,588.00				
33	88LDKSUE	PowerPC G4	450	08-Apr-2001	Compaq	Deskpro EN	D	\$5,330.00				
34	HKLDUB10	PowerPC G4	600	01-Apr-2003	Dell	Optiplex G1	D	\$1,399.00				
35	54FFFVDWS	PowerPC G3	800	24-Oct-1996	Dell	Optiplex GXMT 5166	D	\$2,378.00				
36	8UUDSLKN	Pentium III	850	20-Mar-2000	Toshiba	Tecra 8100	L	\$5,122.00				
37	JKEW77U	Pentium I	1700	01-Mar-2003	Toshiba	Tecra 740 CDT	L	\$2,266.00				
38	OKMND876	Pentium I	1200	01-Jan-1998	Digital	Hinote Ultra II	L	\$2,188.00				
39												
40												
41												
42												

Sheet1 / Sheet2 / Sheet3

Select destination and press ENTER or choose Paste

Sum=1538115

- Switch back to your browser where you are logged in to HTML DB. Click in the data field and click **ctrl-v** to paste the data into the field. Then click **Next**.



8. The Table Information window will appear which shows the columns in the table and their format, as well as the data that will be inserted into the table once the table is created. Enter the table name **Inventory** and click **Next**.

Data Import Wizard - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/www_flow.accept Search Print

ORACLE[®]
HTML DB

User: OBE

Home Build SQL Data Logout Help

Data Workshop Data Import Data Export Repository

Import Spreadsheet Data

HTML DB Home > Data Workshop > Spreadsheet Data Import

Target and Method
Data
Table Properties
Primary Key
Done

Table Information

Cancel < Previous Next >

Schema: OBE

Table Name: Inventory ☐ Preserve Case

Set Table Properties

Column Names	serial	cpu_type	cpu_speed	purchase_date	brand	model	form_factor
Data Type	VARCHAR2	VARCHAR2	NUMBER	DATE	VARCHAR2	VARCHAR2	VARCHAR2
Format							
Column Length	30	30	30	30	30	30	1
Upload	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Row 1	0C8765T	Pentium I	200	09-Oct-1998	Dell	Optiplex	D
Row 2	1U09CM2423	Pentium II	667	01-Jun-1999	Dell	Optiplex GX1	D
Row 3	0KBU4	Pentium III	1000	12-May-2001	Gateway	Cash Cow	L
Row 4	51214246AB	Pentium III	450	14-Jun-2001	Toshiba	Tecra 8200	L
Row 5	HGMHC12	Pentium IV	1700	15-Jun-2002	Dell	GX240	D
Row 6	WV112FGHZ456	Pentium III	800	12-Jan-2001	Compaq	Deskpro EN	D
Row 7	2DLP1	Celeron	366	01-Apr-1999	Dell	Optiplex G1	D
Row 8	6ZQ11	Pentium I	200	24-Oct-1996	Dell	Optiplex GXMT 5166	D
Row 9	59785246QH	Pentium III	650	20-Mar-2000	Toshiba	Tecra 8100	L
Row 10	12375936YT	Pentium I	166	01-Mar-1997	Toshiba	Tecra 740 CDT	L

javascript:doSubmit("Next")

9. Accept the defaults and click **Import Data**.

The screenshot shows the Oracle HTML DB Data Import Wizard in a Mozilla browser window. The browser's address bar shows the URL `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The Oracle logo and "HTML DB" text are visible at the top left. The user is logged in as "OBE". The navigation tabs include "Data Workshop", "Data Import" (which is active), "Data Export", and "Repository".

The main content area is titled "Import Spreadsheet Data". On the left, a sidebar contains a tree view with the following items: "Target and Method", "Data", "Table Properties", "Primary Key", and "Done". The "Primary Key" item is currently selected.

The main panel is titled "Define Primary Key" and contains the following fields and options:

- Schema: **OBE**
- Table Name: **INVENTORY**
- Primary Key From: ☐ Use an existing column, ☒ Create new column
- New Primary Key Column:
- Constraint Name:
- Primary Key Population: ☒ Generated from a new sequence, ☐ Generated from an existing sequence, ☐ Not generated
- Sequence:

At the top right of the "Define Primary Key" panel are three buttons: "Cancel", "< Previous", and "Import Data". A mouse cursor is pointing at the "Import Data" button.

On the right side of the main panel, there is a box titled "Spreadsheet Data Import" with the following text:

Use this page to add one or more primary keys. Do not add more than one primary key unless absolutely necessary.

To import data and create a new table, click **Import Data**.

The bottom status bar of the browser shows "Workspace: OBE Language: en-us" and "Copyright © 1999, 2004, Oracle. All rights reserved." The bottom right corner of the browser window shows the timestamp "15.0.00.33".

Once the table is created and the data loaded, click **INVENTORY** to review the results.

10.

Spreadsheet Import Repository - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/www_flow.accept Search Print

ORACLE[®] HTML DB

User: OBE

Home Build SQL Data Logout Help

Data Workshop Data Import Data Export Repository

Text Data Import Spreadsheet Import

HTML DB Home > Data Workshop > Spreadsheet Data Import

Show My Load Files Go Delete Checked

Files

	Created	Created On ▼	Type	Schema	Table	Succeeded	Failed
<input type="checkbox"/>	OBE	02/06/2004 12:44:19 PM	Spreadsheet Import	OBE	INVENTORY	37	0

1.1

Data Load Repository

This page displays the status of loaded Spreadsheet data.

To remove previously loaded data, select it and click **Delete Checked**.

Workspace: OBE Language: en-us

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1.5.0.00.33

http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:17262684922176627022:::PS02_OBJECT_ID:53665

This window shows the table definition itself. To view the data, click **Query by Example** .

11.

The screenshot shows the Oracle HTML DB interface in a Mozilla browser. The page title is "Object Detail - Mozilla". The address bar shows the URL: http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:17262684922176627022:::P502_OBJECT_ID:53665. The page displays details for the **INVENTORY** table in the **OBE** schema, located in the **USERS** tablespace.

Table Summary

Table Name	INVENTORY
Table Schema	OBE
Tablespace Name	USERS
Indexes	1
Triggers	1
Constraints	1
Comments	-

Table Columns

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	SERIAL	Varchar2	30			✓		
	CPU_TYPE	Varchar2	30			✓		
	CPU_SPEED	Number				✓		
	PURCHASE_DATE	Date	7			✓		
	BRAND	Varchar2	30			✓		
	MODEL	Varchar2	30			✓		
	FORM_FACTOR	Varchar2	1			✓		

Object Details

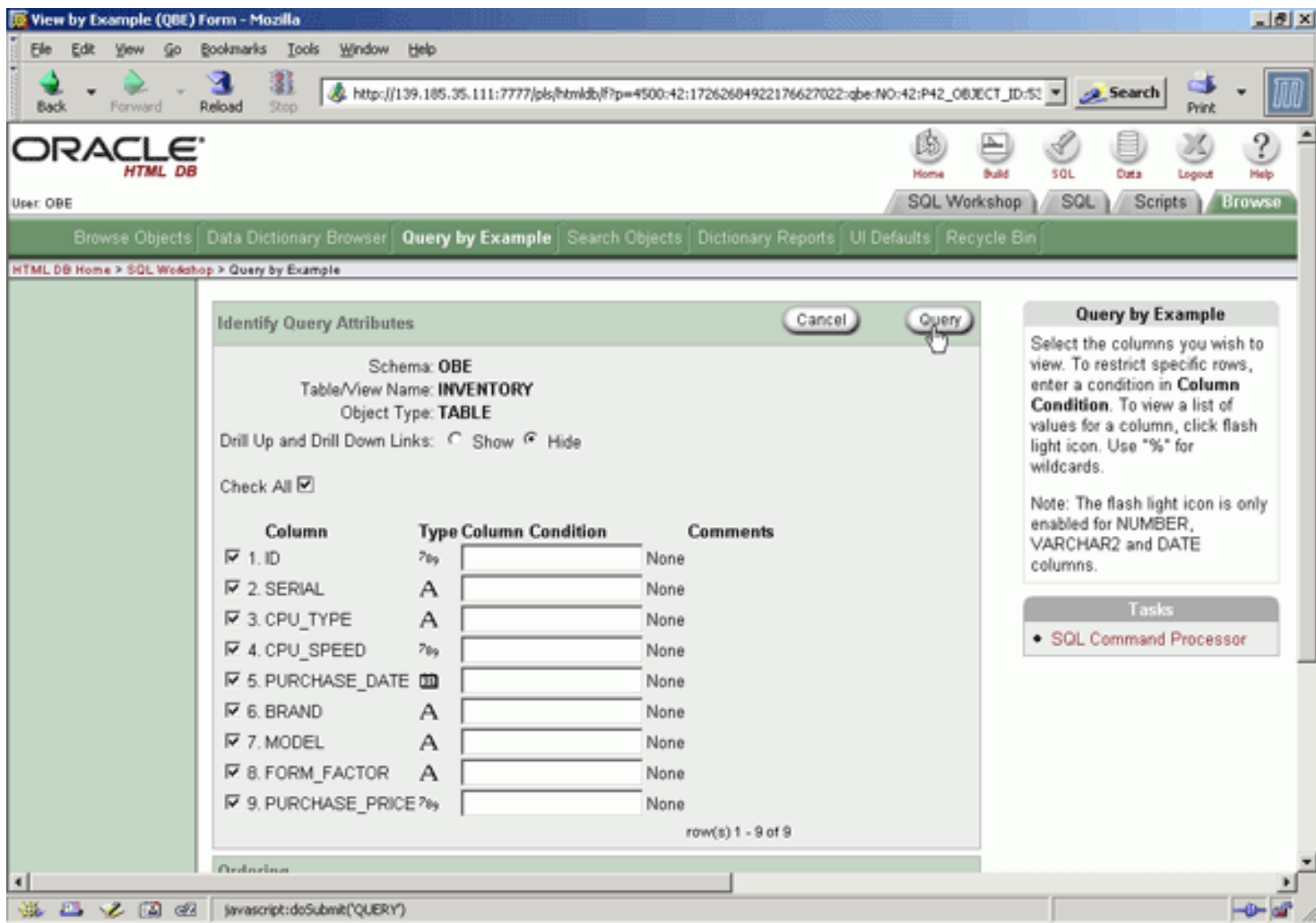
This report displays database object details.

Tasks

- Count Rows
- Create Lookup Table
- Drop this object
- Generate Create Table Script
- Insert Row
- Manage Table
- Manage UI Defaults
- Popup Table Columns
- [Query By Example](#)
- Report On Indent Objects
- View Data Model

Click the **Check All** checkbox and click **Query**.

12.



13. You see the result of your query. You can change any of the data in the database from this window. At this point, you want to go back to the summary window. Click **SQL Workshop**.

The screenshot shows the Oracle HTML DB Query by Example (QBE) interface in a Mozilla browser. The browser's address bar shows the URL: `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The Oracle logo and "HTML DB" text are visible at the top left. The user is logged in as "OBE". The navigation bar includes links for Home, Build, SQL, Data, Logout, and Help. The main navigation bar has tabs for Browse Objects, Data Dictionary Browser, Query by Example (selected), Search Objects, Dictionary Reports, UI Defaults, and Recycle Bin. The breadcrumb trail shows: HTML DB Home > SQL Workshop > Query by Example.

On the left side, there is a "Max Rows" section with a dropdown menu set to "15" and a "Go" button. The main content area displays the "Query Result" for the "INVENTORY" table. Above the table are buttons for "< New Query", "View SQL", and "Create Row >".

Edit	Id	Serial	Cpu Type	Cpu Speed	Purchase Date	Brand	Model	Form Factor	Purchase Price
	1	0C8765T	Pentium I	200	09-OCT-98	Dell	Optiplex D		2343
	2	1U09CM2423	Pentium II	667	01-JUN-99	Dell	Optiplex GX1	D	3256
	3	0KBU4	Pentium III	1000	12-MAY-01	Gateway	Cash Cow	L	4532
	4	51214246AB	Pentium III	450	14-JUN-01	Toshiba	Tecra 8200	L	5401
	5	HQMHC12	Pentium IV	1700	15-JUN-02	Dell	GX240	D	6588
	6	W112FGHZ456	Pentium III	800	12-JAN-01	Compaq	Deskpro EN	D	5330
	7	2DLP1	Celeron	366	01-APR-99	Dell	Optiplex G1	D	1399
	8	6ZQ11	Pentium I	200	24-OCT-96	Dell	Optiplex GXMT 5166	D	2378

On the right side, there is a "Query Result" section with a text box explaining the results and buttons for "Query" and "View SQL". Below this is a "Tasks" section with a link for "SQL Command Processor".

Adding a Lookup Table

[Back to List](#)

You will create a lookup table on the Brand column. Perform the following:

1. Select **Tables**.



2. Select **OBE** for the schema and **Tables** for the Object Type. Then select the magnifying glass next to the **INVENTORY** table to edit the table definition.

The screenshot shows the Oracle HTML DB Database Object Browser interface. The browser window title is "Database Object Browser - Mozilla". The address bar shows the URL: `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The Oracle logo and "HTML DB" text are visible. The user is logged in as "User: OBE". The navigation bar includes links for "SQL Workshop", "SQL", "Scripts", and "Browse". The main content area is titled "Database Object Results" and displays a table of database objects. The table has columns: Name, Status, Created, and Last DDL. The objects listed are DEMO_ABOUT, DEMO_CUSTOMERS, DEMO_ORDERS, DEMO_ORDER_ITEMS, DEMO_PRODUCT_INFO, DEMO_STATES, DEPT, EMP, and INVENTORY. A search bar at the top allows filtering by Schema (OBE), Type (TABLE), and a search term. A "Go" button is next to the search bar. On the right, there is a "Browse" section with instructions and a "Tasks" section with links to "Browse Data Dictionary", "Create Database Object", and "SQL Command Processor".

Schema: Type: Search:

Database Object Results

Name ▲	Status	Created	Last DDL
DEMO_ABOUT	VALID	02/09/2004 07:05:29 AM	02/09/2004 07:05:29 AM
DEMO_CUSTOMERS	VALID	02/09/2004 07:05:29 AM	02/09/2004 07:05:30 AM
DEMO_ORDERS	VALID	02/09/2004 07:05:30 AM	02/09/2004 07:05:31 AM
DEMO_ORDER_ITEMS	VALID	02/09/2004 07:05:31 AM	02/09/2004 07:05:31 AM
DEMO_PRODUCT_INFO	VALID	02/09/2004 07:05:30 AM	02/09/2004 07:05:30 AM
DEMO_STATES	VALID	02/09/2004 07:05:31 AM	02/09/2004 07:05:31 AM
DEPT	VALID	02/09/2004 07:05:28 AM	02/09/2004 07:05:28 AM
EMP	VALID	02/09/2004 07:05:29 AM	02/09/2004 07:05:29 AM
INVENTORY	VALID	02/09/2004 09:08:23 AM	02/09/2004 09:08:24 AM

1 - 9

Browse
Use the Data Browser to view database objects.
To find a database object, select a schema (or username), type, and optionally enter a search. The available schema values depend upon your resource privileges.

Tasks

- [Browse Data Dictionary](#)
- [Create Database Object](#)
- [SQL Command Processor](#)

3. Click **Create Lookup Table** .

Object Detail - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:10712865776968454750:::P502_OBJECT_ID:53948

Search Print

ORACLE
HTML DB

User: OBE

Home Build SQL Data Logout Help

SQL Workshop SQL Scripts Browse

Browse Objects Data Dictionary Browser Search Objects **Object Details** Dictionary Reports UI Defaults Recycle Bin

HTML DB Home > SQL Workshop > Database browser > Object Detail

Table Summary

Table Name **INVENTORY**
 Table Schema **OBE**
 Tablespace Name **FLOW_1**
 Indexes **1**
 Triggers **1**
 Constraints **1**
 Comments -

Table Columns

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	SERIAL	Varchar2	30			✓		
	CPU_TYPE	Varchar2	30			✓		
	CPU_SPEED	Number				✓		
	PURCHASE_DATE	Date	7			✓		
	BRAND	Varchar2	30			✓		
	MODEL	Varchar2	30			✓		
	FORM_FACTOR	Varchar2	1			✓		

Object Details

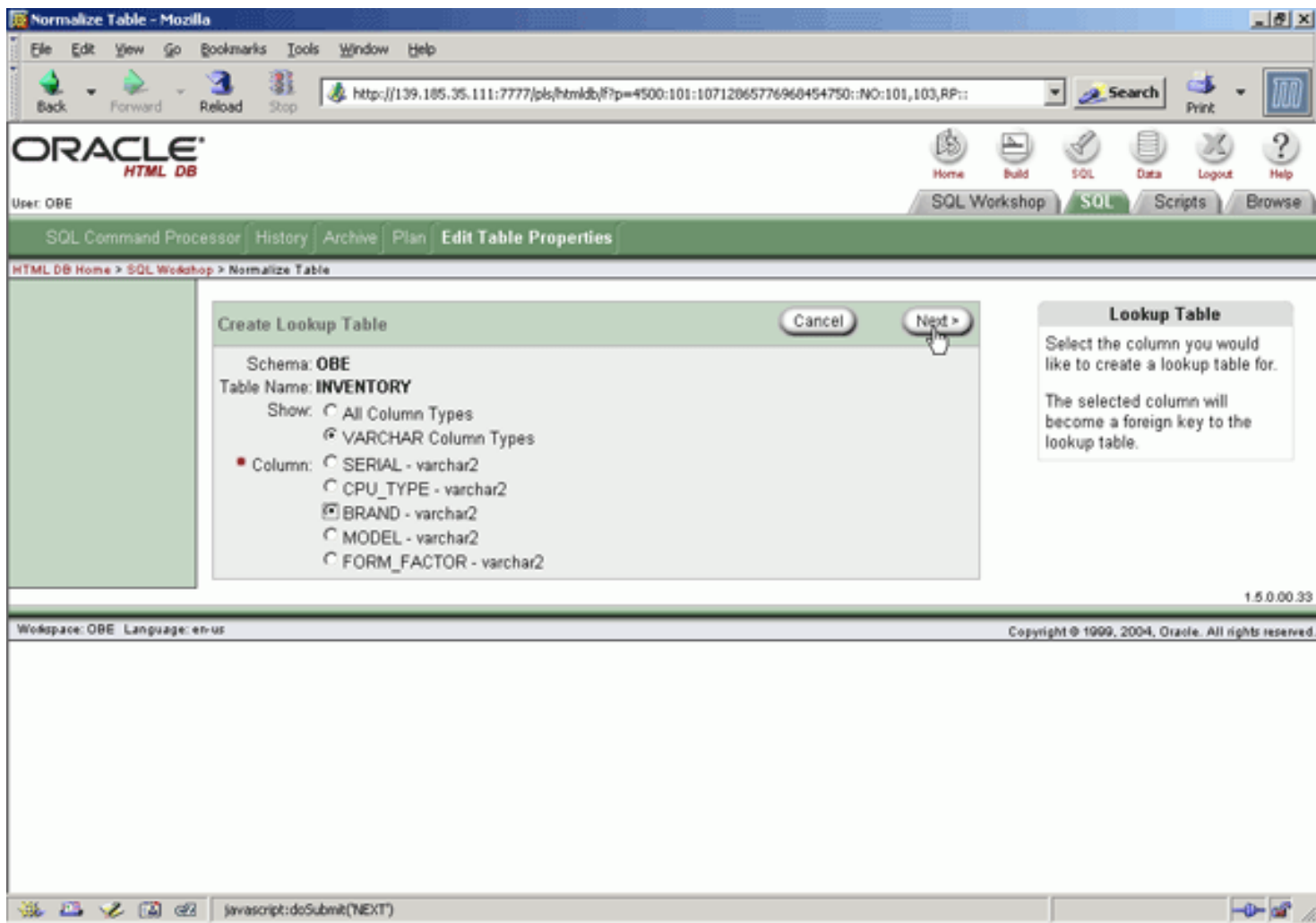
This report displays database object details.

Tasks

- Count Rows
- Create Lookup Table
- Drop object
- Generate Create Table Script
- Insert Row
- Manage Table
- Manage UI Defaults
- Popup Table Columns
- Query By Example
- Report Dependent Objects
- View Data Model

http://139.185.35.111:7777/pls/htmldb/f?p=4500:101:10712865776968454750::NO:101,103,RP::

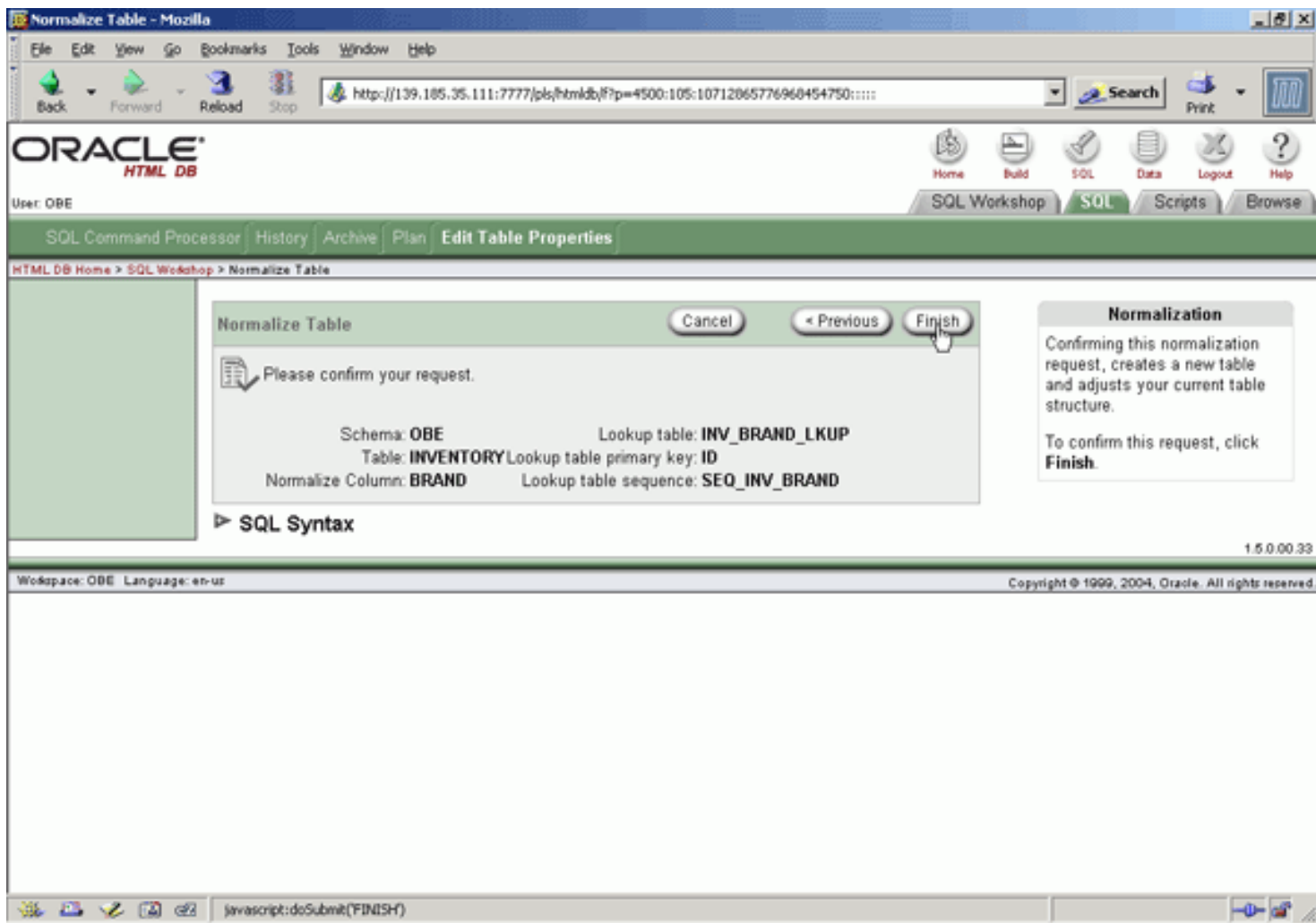
- Click the **Brand** column radio button and click **Next**.



5. Enter **INV_BRAND_LKUP** for the New Table Name and **SEQ_INV_BRAND** for the New Sequence and click **Next** .

The screenshot shows a web browser window titled "Create Lookup Table - Mozilla". The address bar displays a URL: `http://139.185.35.111:7777/pls/htmldb/f?p=4500:103:10712065776960454750::::`. The Oracle HTML DB logo is visible at the top left, and navigation links (Home, Build, SQL, Data, Logout, Help) are at the top right. Below the logo, the user is identified as "User: OBE". A green navigation bar contains links: "SQL Command Processor", "History", "Archive", "Plan", and "Edit Table Properties". The main content area is titled "HTML DB Home > SQL Workshop > Normalize Table". It features a "Normalize Table" form with the following fields: "Schema: OBE", "Table Name: INVENTORY", "Column to Normalize: BRAND", "New Table Name: INV_BRAND_LKUP", and "New Sequence: SEQ_INV_BRAND". There is an unchecked checkbox for "Preserve Case". Navigation buttons "Cancel", "< Previous", and "Next >" are present. A "Identify New Table" sidebar on the right explains that the new table will store a normalized list of values. The status bar at the bottom shows "Workspace: OBE Language: en-us" and "Copyright © 1999, 2004, Oracle. All rights reserved." The browser's status bar at the very bottom shows the JavaScript command `javascript:doSubmit(NEXT)`.

6. Click **Finish** .



7. Scroll down to the bottom of the Table Summary window and expand **Foreign Key (Tables INVENTORY References)**.

The screenshot shows a Mozilla browser window titled 'Object Detail - Mozilla'. The address bar displays a URL: `http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:10712065776960454750::NO:::8success_msg=Lookup'`. The main content area displays details for a database object named 'FLOW_1' in the 'Tablespace Name' section. Below this, a 'Table Columns' section shows a table with columns: Primary Key, Name, Type, Length, Precision, Scale, Nullable, Default, and Comments. The table lists columns: ID (Primary Key, Number), SERIAL (Varchar2, 30), CPU_TYPE (Varchar2, 30), CPU_SPEED (Number), PURCHASE_DATE (Date, 7), MODEL (Varchar2, 30), FORM_FACTOR (Varchar2, 1), PURCHASE_PRICE (Number), and BRAND_ID (Number). To the right of the main content is a 'Tasks' panel with a list of actions: Count Rows, Create Lookup Table, Drop this object, Generate Create Table Script, Insert Row, Manage Table, Manage UI Defaults, Popup Table Columns, Query By Example, Report Dependent Objects, and View Data Model. Below the table columns, there are expandable sections for Indexes, Triggers, Constraints, Foreign Keys (Tables that reference INVENTORY), and Foreign Keys (Tables INVENTORY references). The bottom status bar shows 'Workspace: OBE Language: en-us' and 'Copyright © 1999, 2004, Oracle. All rights reserved.'.

Object Detail - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:10712065776960454750::NO:::8success_msg=Lookup'

Search Print

Tablespace Name **FLOW_1**

Indexes 1

Triggers 1

Constraints 2

Comments -

Table Columns

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	SERIAL	Varchar2	30			✓		
	CPU_TYPE	Varchar2	30			✓		
	CPU_SPEED	Number				✓		
	PURCHASE_DATE	Date	7			✓		
	MODEL	Varchar2	30			✓		
	FORM_FACTOR	Varchar2	1			✓		
	PURCHASE_PRICE	Number				✓		
	BRAND_ID	Number				✓		

Tasks

- Count Rows
- Create Lookup Table
- Drop this object
- Generate Create Table Script
- Insert Row
- Manage Table
- Manage UI Defaults
- Popup Table Columns
- Query By Example
- Report Dependent Objects
- View Data Model

Indexes

Triggers

Constraints

Foreign Keys (Tables that reference INVENTORY)

Foreign Keys (Tables INVENTORY references)

15.0.00.33

Workspace: OBE Language: en-us

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javascript:hideShow('region12','shdMG12','/rollup_plus_dgray.gif','/rollup_minus_dgray.gif');

8. Select the Ref Table **INV_BRAND_LKUP** .

The screenshot shows a web browser window titled "Object Detail - Mozilla". The address bar displays a URL: `http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:10712865776968454750::NO:::8success_msg=Lookup/`. The main content area displays details for a database object named "FLOW_1".

Tablespace Name: FLOW_1

Indexes: 1

Triggers: 1

Constraints: 2

Comments: -

Table Columns

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	SERIAL	Varchar2	30			✓		
	CPU_TYPE	Varchar2	30			✓		
	CPU_SPEED	Number				✓		
	PURCHASE_DATE	Date	7			✓		
	MODEL	Varchar2	30			✓		
	FORM_FACTOR	Varchar2	1			✓		
	PURCHASE_PRICE	Number				✓		
	BRAND_ID	Number				✓		

Tasks

- Count Rows
- Create Lookup Table
- Drop this object
- Generate Create Table Script
- Insert Row
- Manage Table
- Manage UI Defaults
- Popup Table Columns
- Query By Example
- Report Dependent Objects
- View Data Model

Indexes

Triggers

Constraints

Foreign Keys (Tables that reference INVENTORY)

Foreign Keys (Tables INVENTORY references)

Schema	Child Constraint	Child Table	Child Columns	Parent Owner	Parent Table	Parent Columns
OBE	SYS_C007096	INVENTORY	BRAND_ID	OBE	INV BRAND LKUP	ID

The browser's status bar at the bottom shows the URL: `http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:10712865776968454750:::PS02_OBJECT_ID:53952`.

9. Click **Query by Example** .

Object Detail - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:10712865776968454750:::P502_OBJECT_ID:53952 Search Print

ORACLE[®]
HTML DB

User: OBE

Home Build SQL Data Logout Help

SQL Workshop SQL Scripts Browse

Browse Objects Data Dictionary Browser Search Objects **Object Details** Dictionary Reports UI Defaults Recycle Bin

HTML DB Home > SQL Workshop > Database browser > Object Detail

Table Summary

Table Name	INV_BRAND_LKUP
Table Schema	OBE
Tablespace Name	FLOW_1
Indexes	2
Triggers	1
Constraints	3
Comments	-

Table Columns

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	BRAND	Varchar2	4000					

▾ Indexes
 ▾ Triggers
 ▾ Constraints
 ▾ Foreign Keys (Tables that reference INV_BRAND_LKUP)
 ▾ Foreign Keys (Tables INV_BRAND_LKUP references)

Object Details

This report displays database object details.

Tasks

- Count Rows
- Create Lookup Table
- Drop this object
- Generate Create Table Script
- Insert Row
- Manage Table
- Manage UI Defaults
- Popup Table Columns
- [Query By Example](#)
- Report dependent Objects
- View Data Model

http://139.185.35.111:7777/pls/htmldb/f?p=4500:42:10712865776968454750::obe:NO:42:P42_OBJECT_ID:53952

Click the **Check All** checkbox and click **Query**.

10.

View by Example (QBE) Form - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=4500:42:10712865776968454750::qbe:NO:42:P42_OBJECT_ID::51

Search Print

ORACLE[®]
HTML DB

User: OBE

Home Build SQL Data Logout Help

SQL Workshop SQL Scripts Browse

Browse Objects Data Dictionary Browser **Query by Example** Search Objects Dictionary Reports UI Defaults Recycle Bin

HTML DB Home > SQL Workshop > Query by Example

Identify Query Attributes Cancel Query

Schema: OBE
Table/View Name: INV_BRAND_LKUP
Object Type: TABLE

Drill Up and Drill Down Links: ☐ Show ☒ Hide

Check All ☒

Column	Type	Column	Condition	Comments
<input checked="" type="checkbox"/> 1. ID	799			None
<input checked="" type="checkbox"/> 2. BRAND	A			None

row(s) 1 - 2 of 2

Ordering

Order By	Order By	Order By
%	%	%
<input checked="" type="radio"/> Ascending <input type="radio"/> Descending	<input checked="" type="radio"/> Ascending <input type="radio"/> Descending	<input checked="" type="radio"/> Ascending <input type="radio"/> Descending

Query by Example

Select the columns you wish to view. To restrict specific rows, enter a condition in **Column Condition**. To view a list of values for a column, click flash light icon. Use "%" for wildcards.

Note: The flash light icon is only enabled for NUMBER, VARCHAR2 and DATE columns.

Tasks

- SQL Command Processor

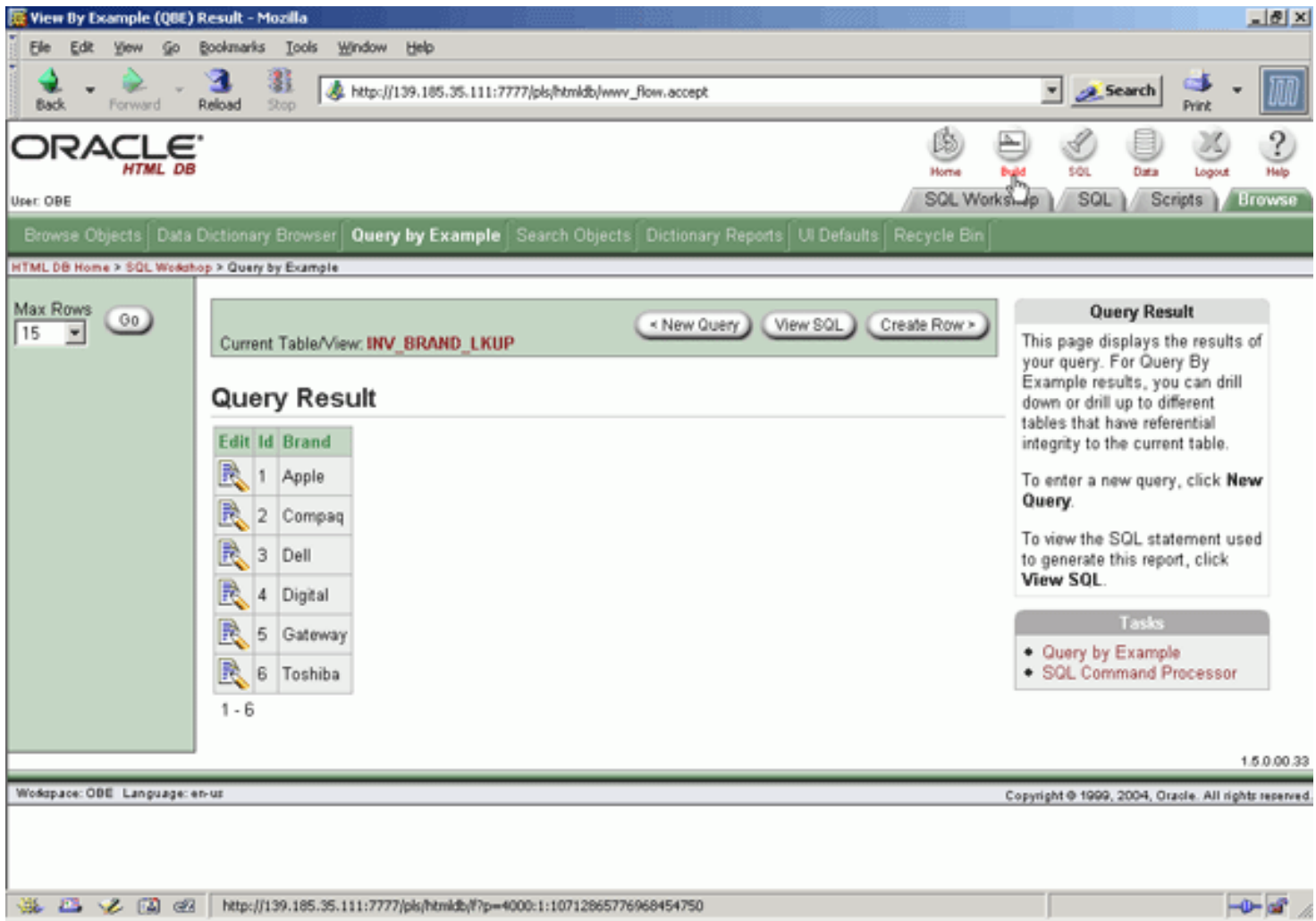
Workspace: OBE Language: en-us

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javascript:doSubmit('QUERY')

The query results are shown. Next you will create the application. Click the **Build** icon at the top of the window.

11.

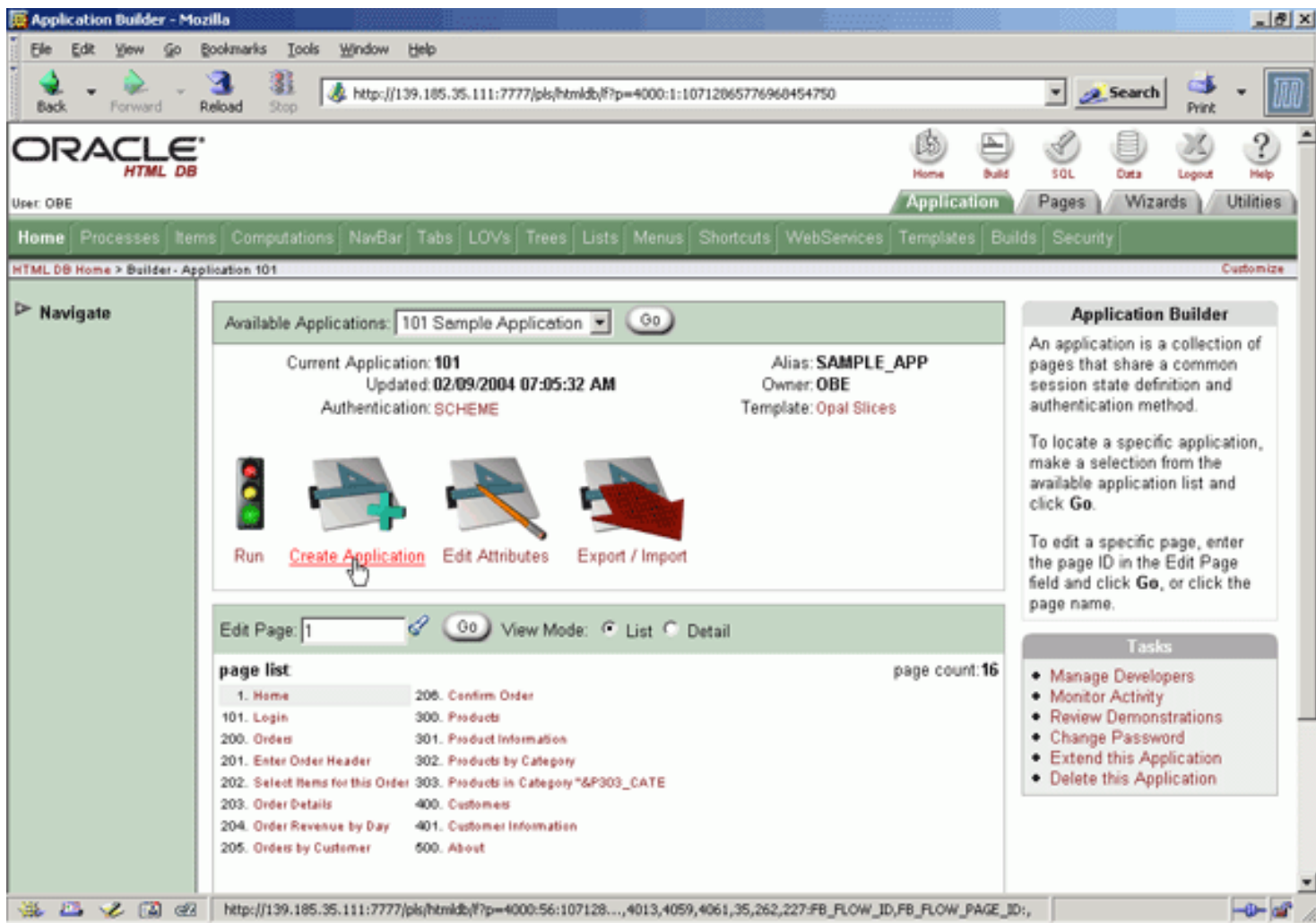


Creating an Application

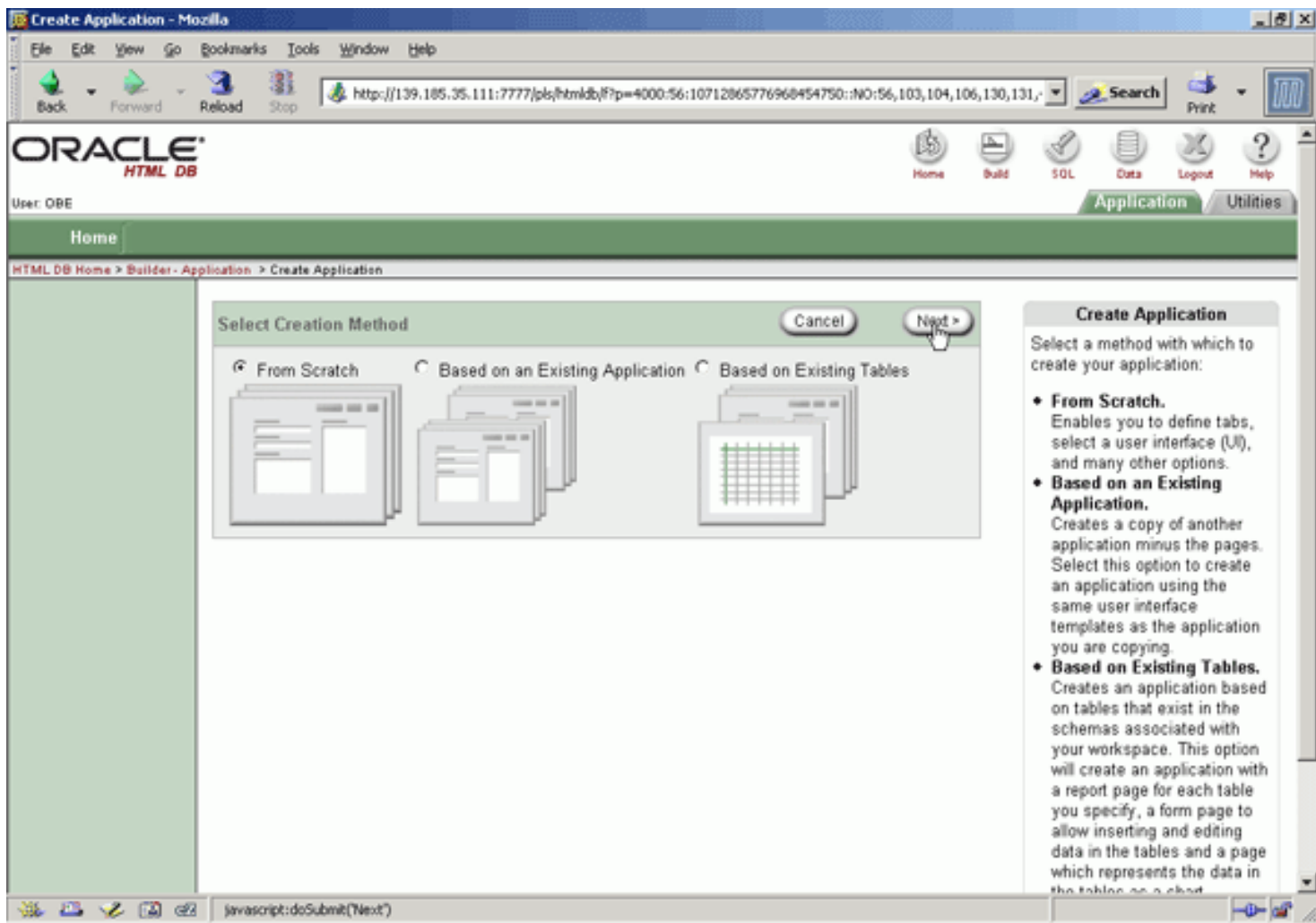
[Back to List](#)

You will first need to create an application. Perform the following:

1. From the main Builder window, click **Create Application**.



2. You will create a Application from scratch, click **Next**.



3. Enter **Inventory Application** in the Name field, then click **Next** .

The screenshot shows the Oracle HTML DB 'Create Application' wizard. The browser window title is 'Create Application - Mozilla'. The address bar shows 'http://139.185.35.111:7777/pls/htmldb/www_flow.accept'. The Oracle logo and 'HTML DB' text are at the top left. Navigation icons (Home, Build, SQL, Data, Logout, Help) are at the top right. The 'Application' tab is selected. The wizard progress bar shows 'HTML DB Home > Builder - Application > Create Application > Create Application Wizard'. The left sidebar contains a tree view with 'Creation Method' selected. The main area is titled 'Create Application' and contains the following fields:

- Name: Inventory Application
- Alias: (empty)
- Application: 102
- Authentication: ☒ HTML DB Authentication, ☐ No Authentication
- Default Parsing Schema: OBE

Buttons: Cancel, < Previous, Next > (highlighted). A 'Globalization Options' section is visible below the main fields. A right-hand panel titled 'Create Application' contains the text: 'An application is a collection of pages that share a common session state definition and authentication method.'

At the bottom, the status bar shows 'Workspace: OBE Language: en-us' and 'Copyright © 1999, 2004, Oracle. All rights reserved.' The version number '1.5.0.00.33' is also visible.

4. Make sure One Level of Tabs is selected, then click **Next** .

The screenshot shows the 'Create Application Wizard' in a Mozilla browser window. The browser's address bar shows the URL: `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The Oracle HTML DB logo is at the top left, and navigation links (Home, Build, SQL, Data, Logout, Help) are at the top right. The user is logged in as 'OBE'. The wizard is titled 'Create Application Wizard' and has a 'Next >' button highlighted by a mouse cursor. The wizard's main content area shows the following configuration:

- Application: 102
- Name: **Inventory Application**
- Pages: 5
- Navigation Bar: Yes
- Tabs: ☒ One Level of Tabs

Below the 'Tabs' section, three visual representations of the application layout are shown: 'No Tabs', 'One Level of Tabs' (selected), and 'Two Levels of Tabs'. Each representation shows a page with a 'Name' field and a 'Title' field. The 'One Level of Tabs' representation shows a single tab with the application name and a search bar. The 'Two Levels of Tabs' representation shows two levels of tabs, with the application name and search bar in the top level and the page name and title in the bottom level.

On the right side of the wizard, there is a 'Create Application' section with the text: 'Select the number of pages you would like to create and the tab scheme you would like to use.'

The bottom of the browser window shows the workspace 'OBE' and language 'en-us'. The copyright notice 'Copyright © 1999, 2004, Oracle. All rights reserved.' is visible. The status bar at the bottom shows the JavaScript code: `javascript:doSubmit("Next")`.

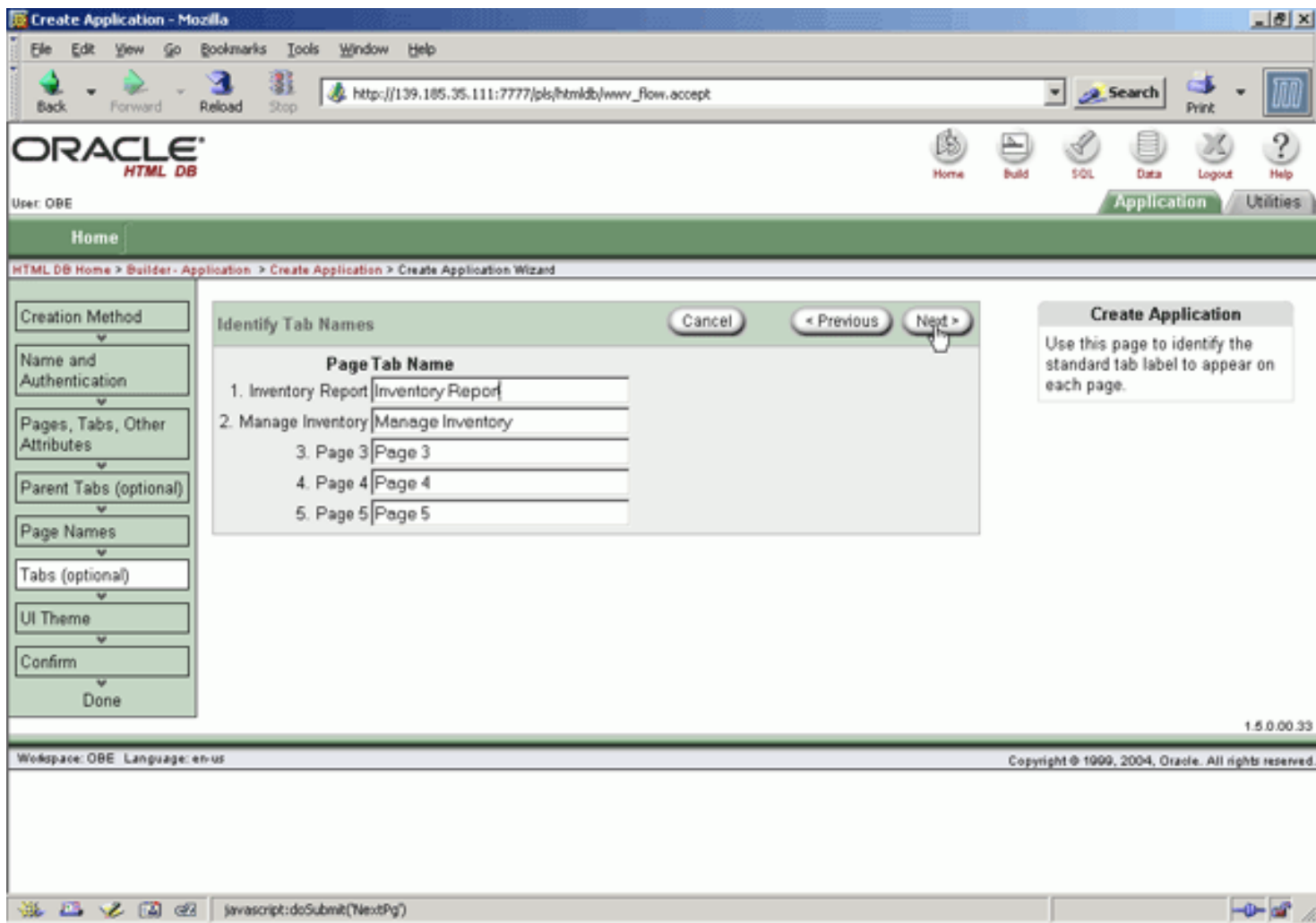
- For Page Name #1 enter **Inventory Report** and for Page Name #2 enter **Manage Inventory** . Then click **Next** .

The screenshot shows the Oracle HTML DB Create Application Wizard in a Mozilla browser window. The browser's address bar shows the URL `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The Oracle logo and "HTML DB" text are visible at the top. The user is logged in as "OBE". The wizard is titled "Create Application Wizard" and has a "Next >" button highlighted. The wizard is currently on the "Page Names" step, which displays a table with 5 rows and 2 columns: "Page" and "Page Name". The table contains the following data:

Page	Page Name
1	Inventory Report
2	Manage Inventory
3	Page 3
4	Page 4
5	Page 5

On the right side of the wizard, there is a box titled "Create Application" with the text: "Provide a short descriptive name for each page." The wizard has a sidebar on the left with buttons for "Creation Method", "Name and Authentication", "Pages, Tabs, Other Attributes", "Parent Tabs (optional)", "Page Names", "Tabs (optional)", "UI Theme", "Confirm", and "Done". The "Page Names" button is currently selected. The bottom of the browser window shows the workspace "OBE" and the language "en-us". The copyright notice "Copyright © 1999, 2004, Oracle. All rights reserved." is visible at the bottom right. The status bar at the very bottom shows the JavaScript code `javascript:doSubmit("Next")`.

6. Make sure that the Tab Name is the same as the page name and click **Next** .



Create Application - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/www_flow.accept Search Print

ORACLE[®] HTML DB

User: OBE

Home Build SQL Data Logout Help

Application Utilities

HTML DB Home > Builder - Application > Create Application > Create Application Wizard

Creation Method

Name and Authentication

Pages, Tabs, Other Attributes

Parent Tabs (optional)

Page Names

Tabs (optional)

UI Theme

Confirm

Done

Identify Tab Names

Cancel < Previous Next >

Page Tab Name

1. Inventory Report	Inventory Report
2. Manage Inventory	Manage Inventory
3. Page 3	Page 3
4. Page 4	Page 4
5. Page 5	Page 5

Create Application

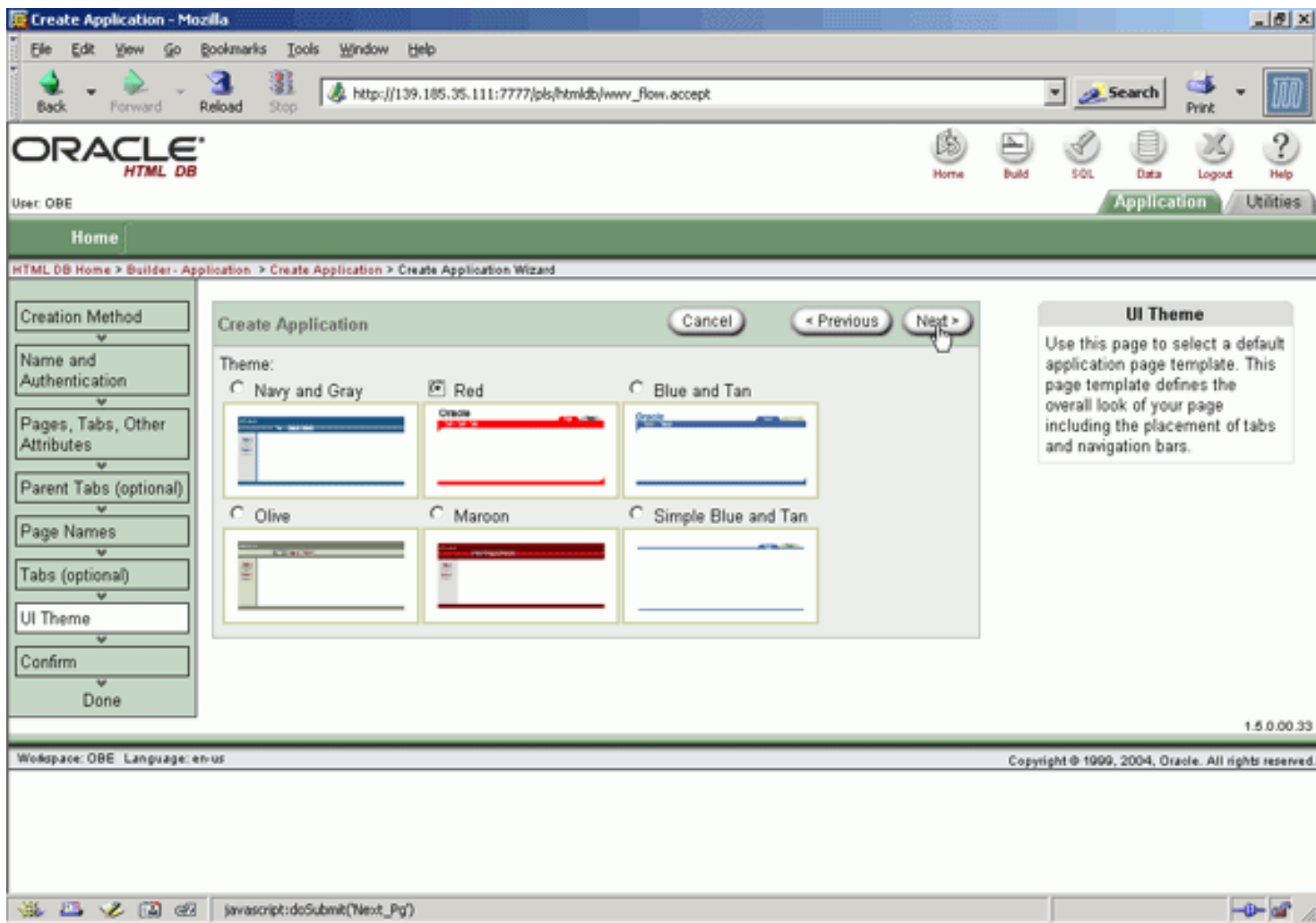
Use this page to identify the standard tab label to appear on each page.

1.5.0.00.33

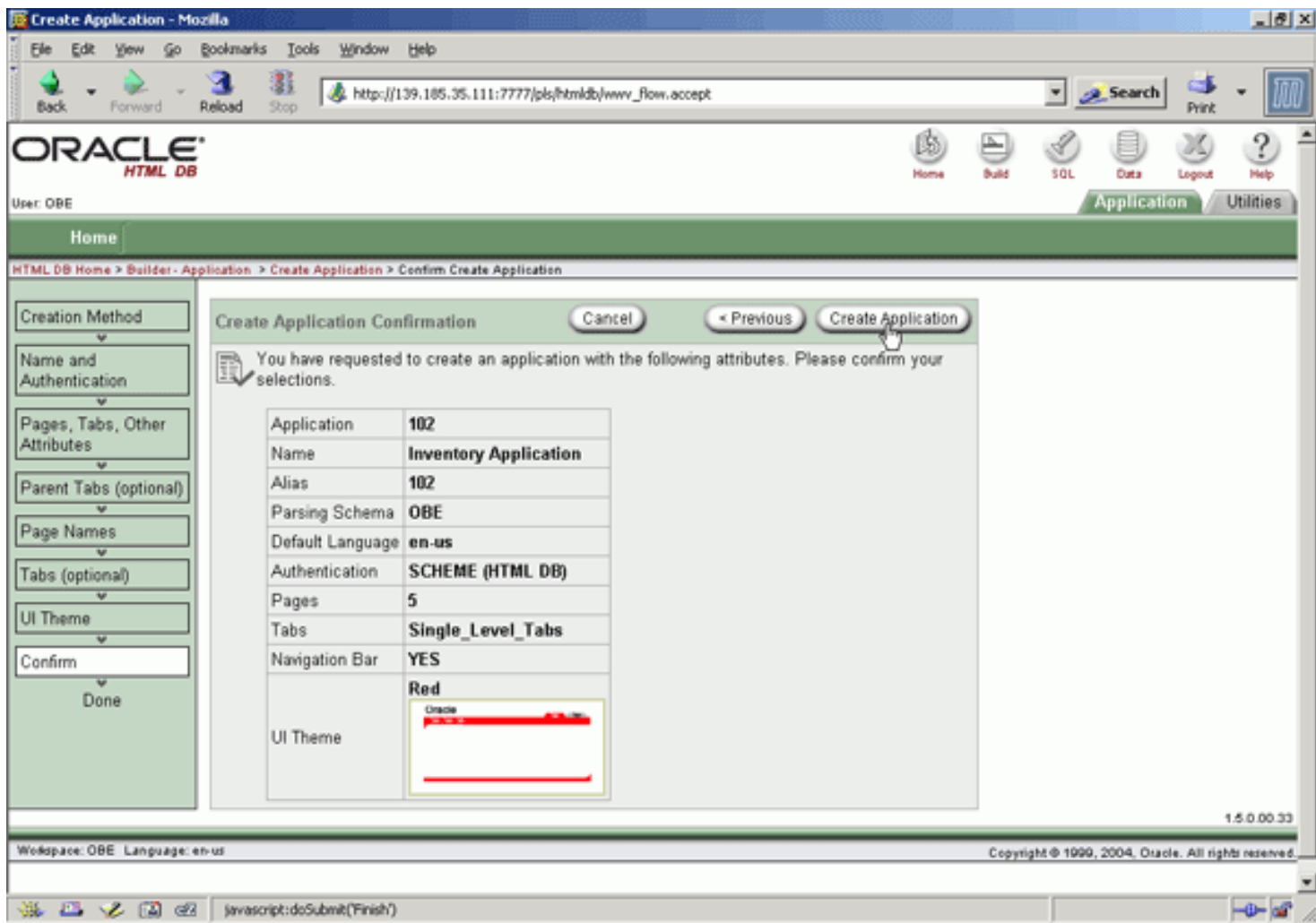
Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

javascript:doSubmit('NextPg')

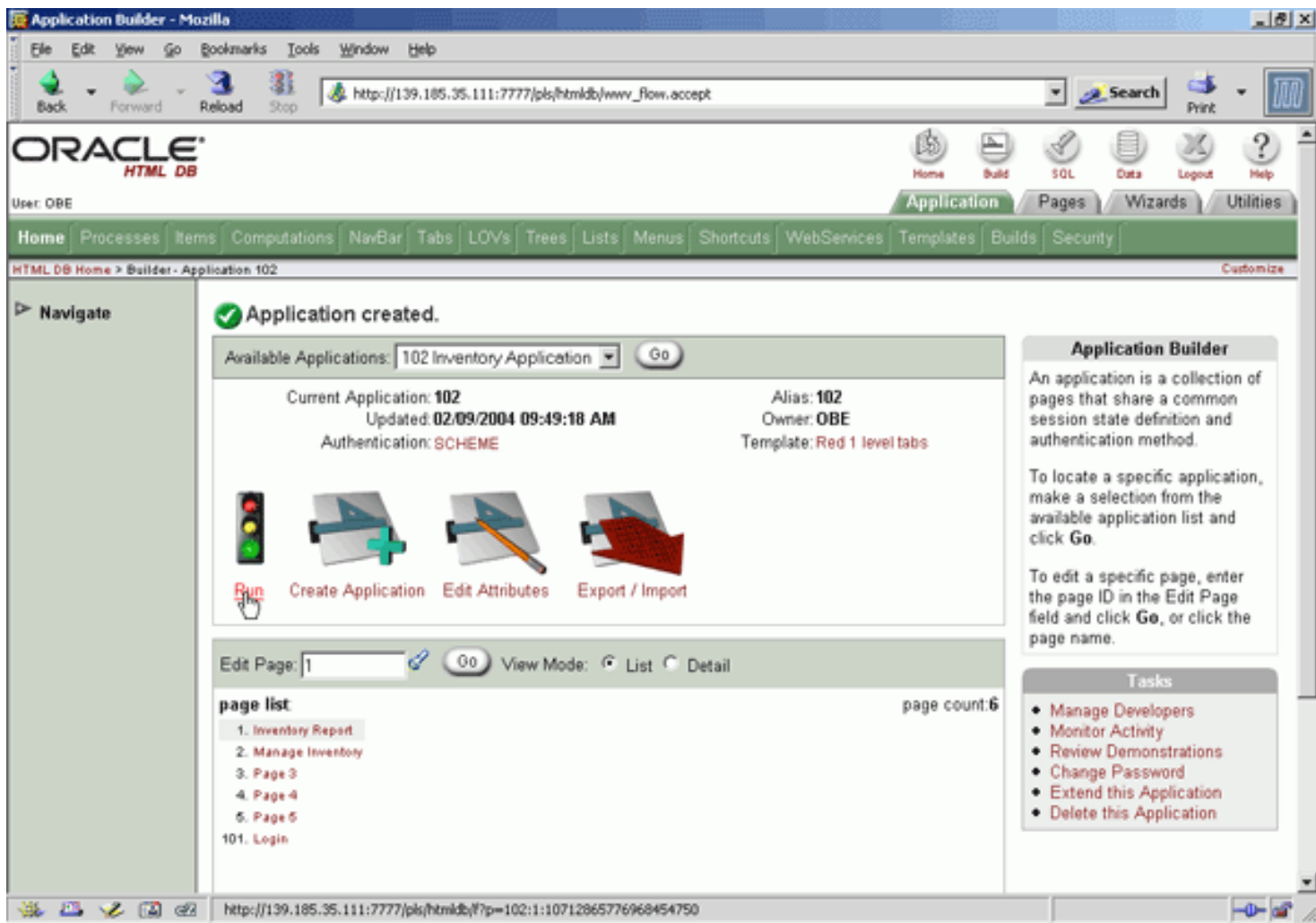
7. Click the Theme **Red** and click **Next** .



8. Review the attributes you selected and click **Create Application** .

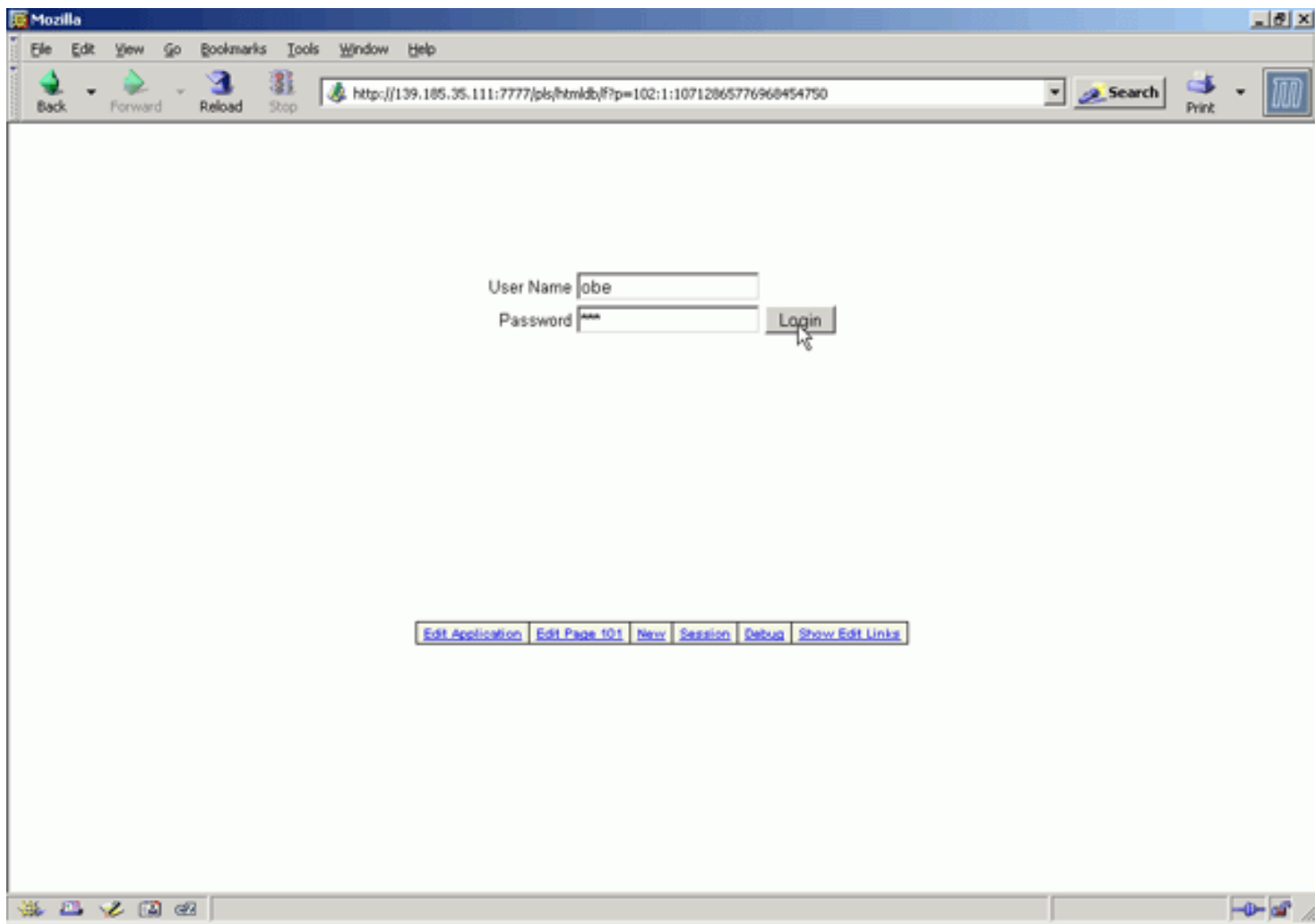


9. Your application has been created. Click **Run** to see the application.

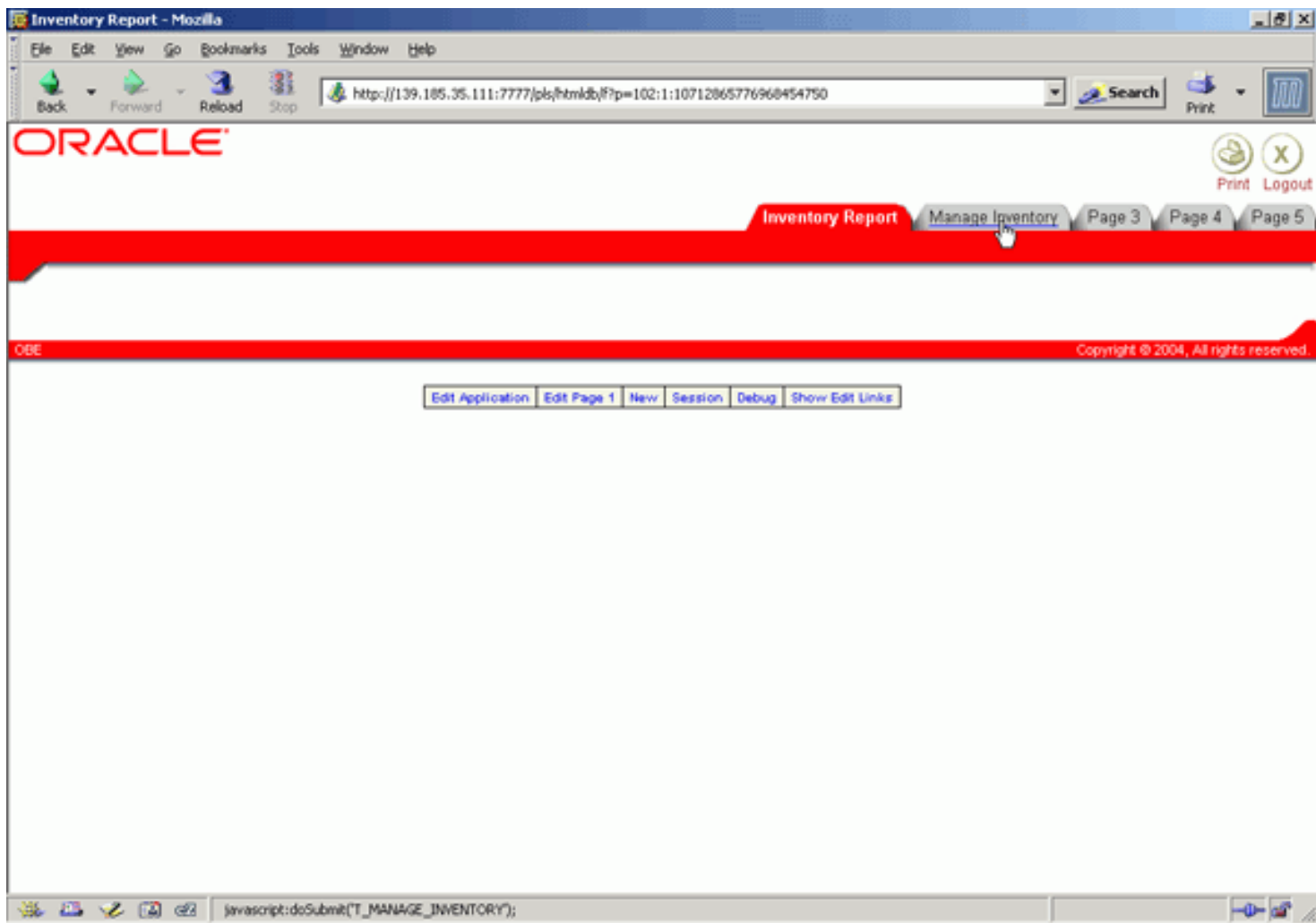


Enter your username and password and click **Login** .

10.

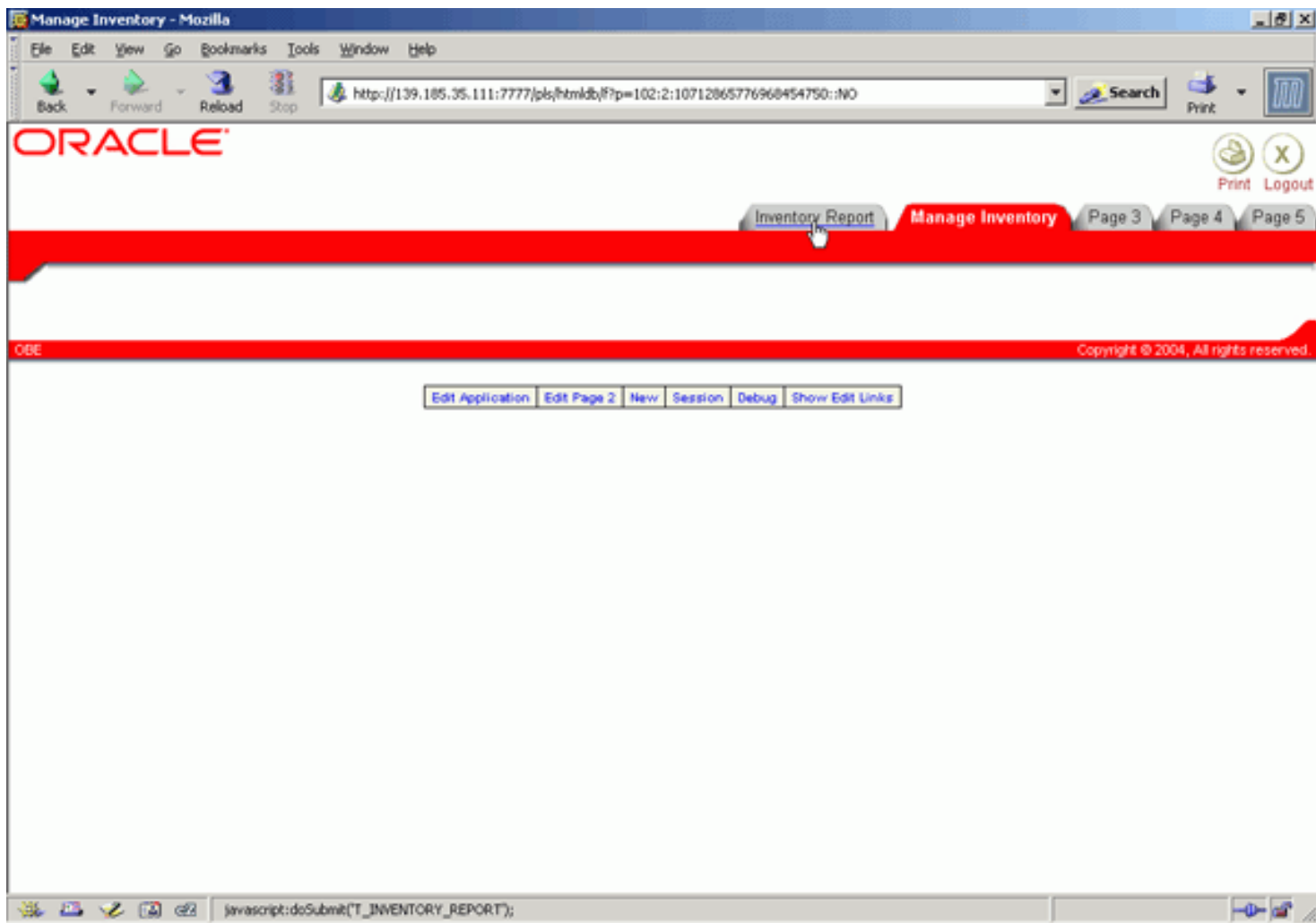


11. You see that the skeleton application was created with the tabs you specified through the wizard screens. Click the **Manage Inventory** tab.



You will now add a report to the Inventory Report tab. Click **Inventory Report** .

12.

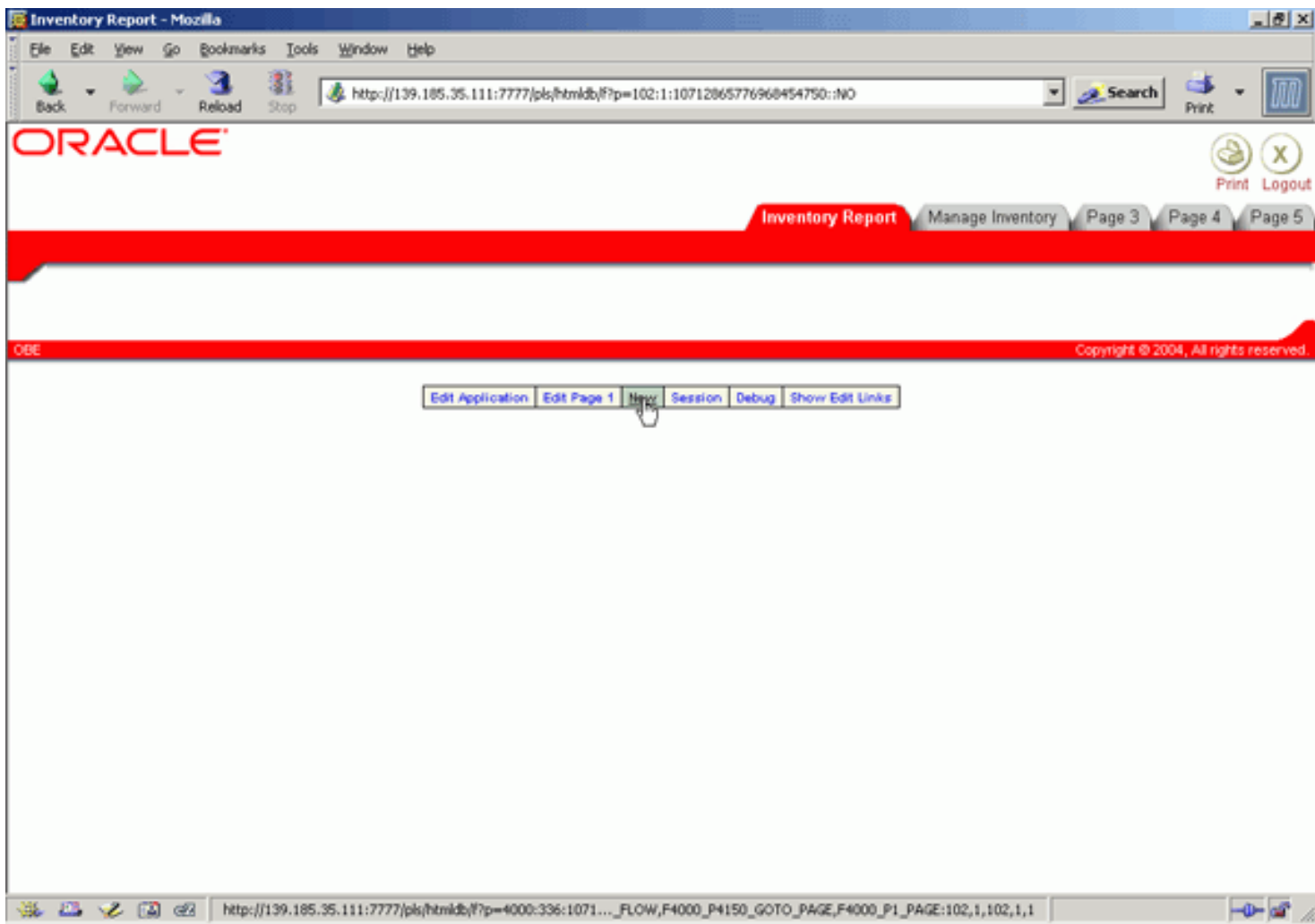


Adding a Report

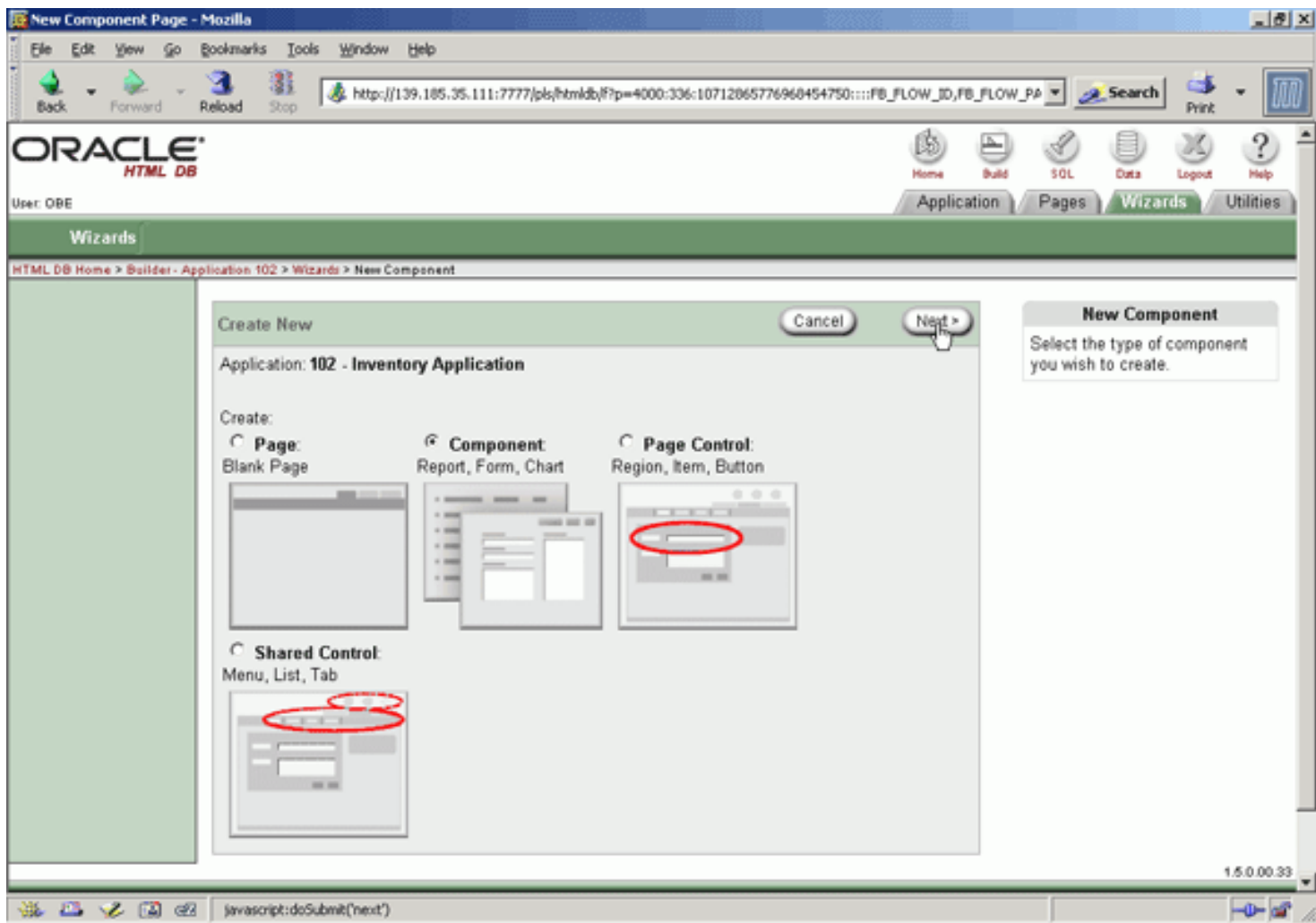
[Back to List](#)

You will create a new report on the Inventory Report tab. Perform the following:

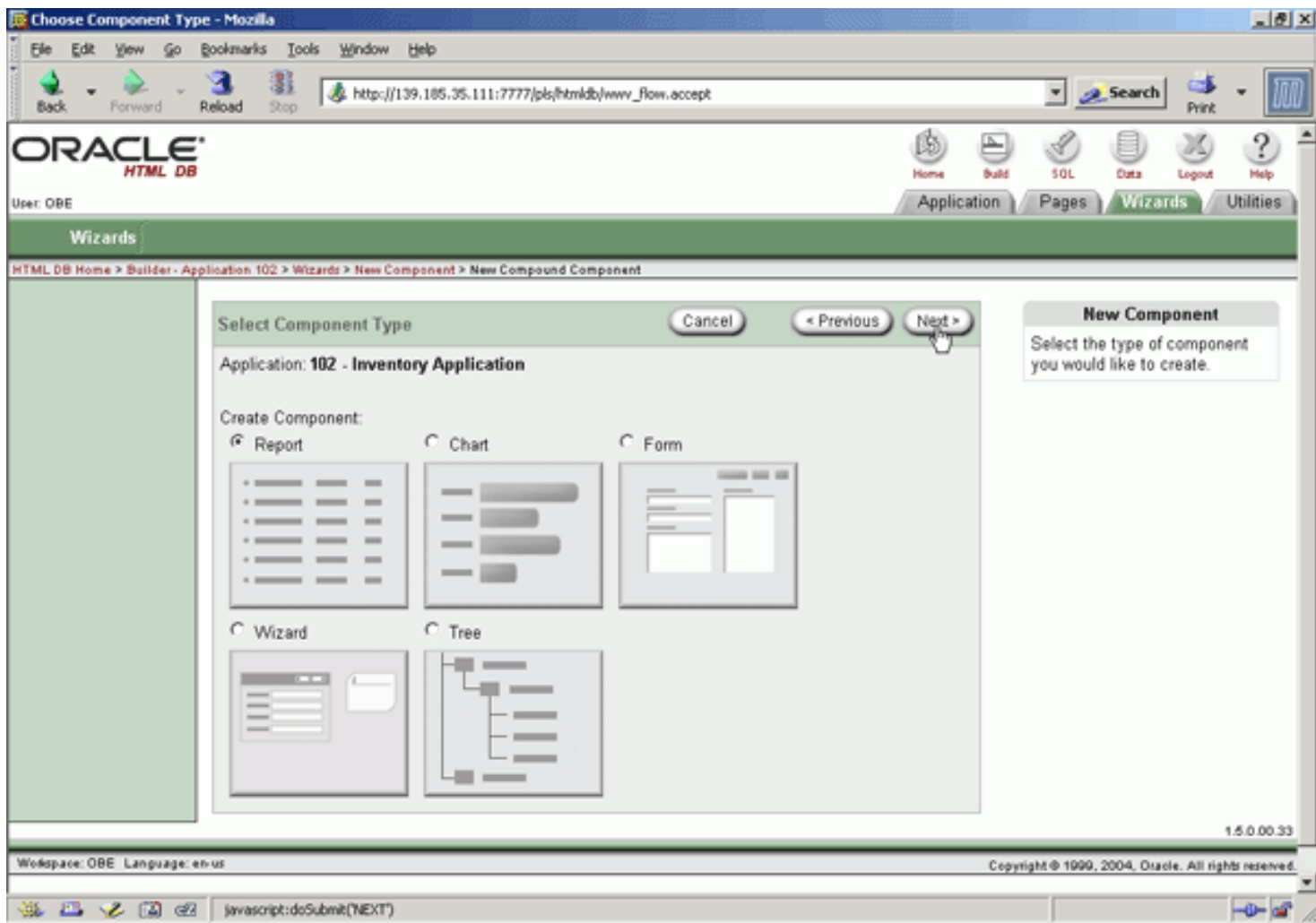
1. Click the **New** link to create a new component on this page.



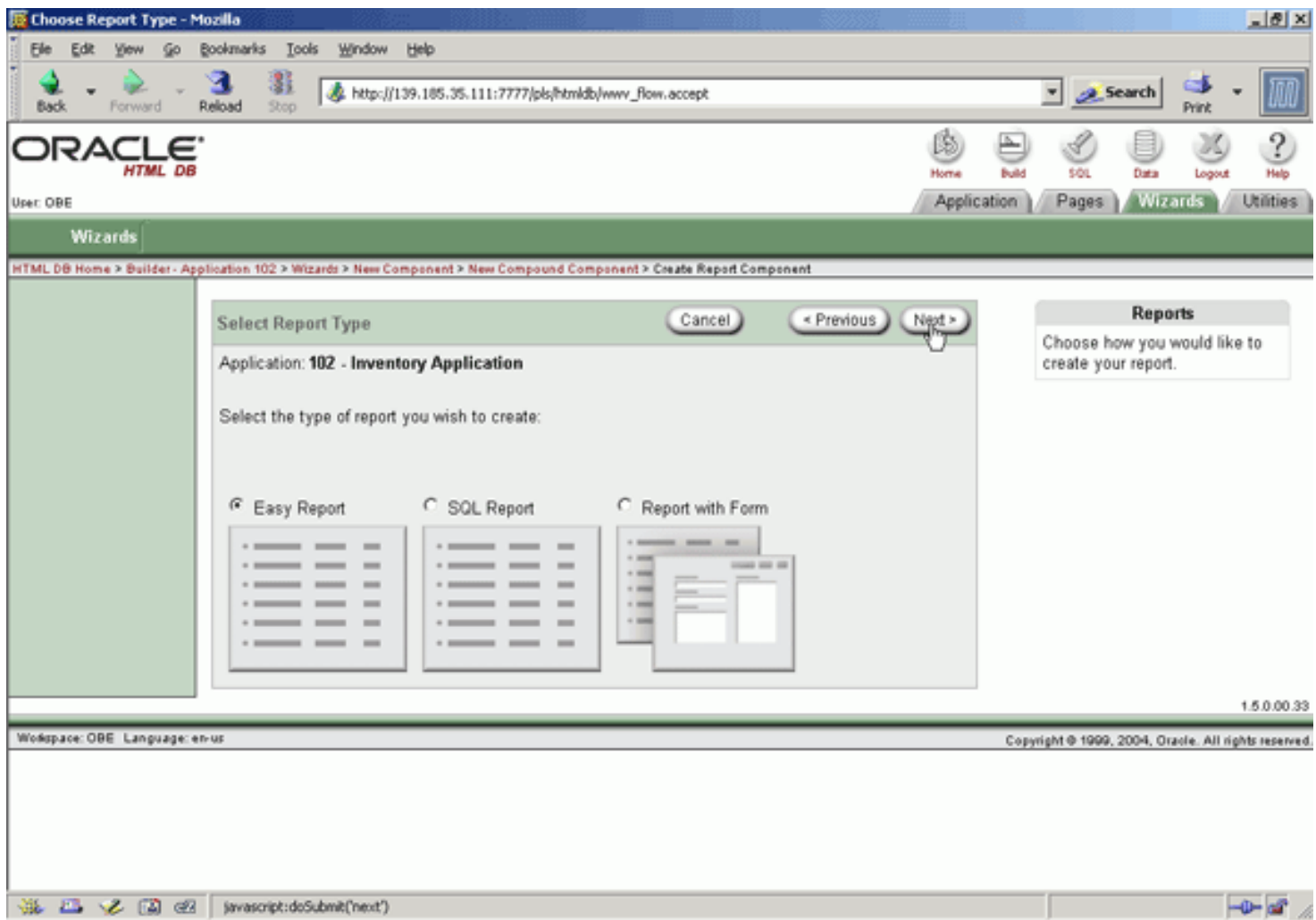
2. Make sure that the **Component** radio button is selected. Then click **Next**.



3. Make sure that the **Report** radio button is selected. Then click **Next** .



4. Make sure that the **Easy Report** radio button is selected. Then click **Next** .



5. Enter **Report** for Page Title and **Hardware Inventory** for Region Title. Then click **Next** .

The screenshot shows the Oracle Easy Report Wizard interface within a Mozilla browser window. The browser's address bar displays a URL starting with 'http://139.185.35.111:7777/pls/htmldb/'. The Oracle logo and 'HTML DB' text are visible at the top. The user is logged in as 'OBE'. The 'Reports' tab is selected, and the breadcrumb path is 'HTML DB Home > Builder - Application 102 > Wizards > Easy Report'.

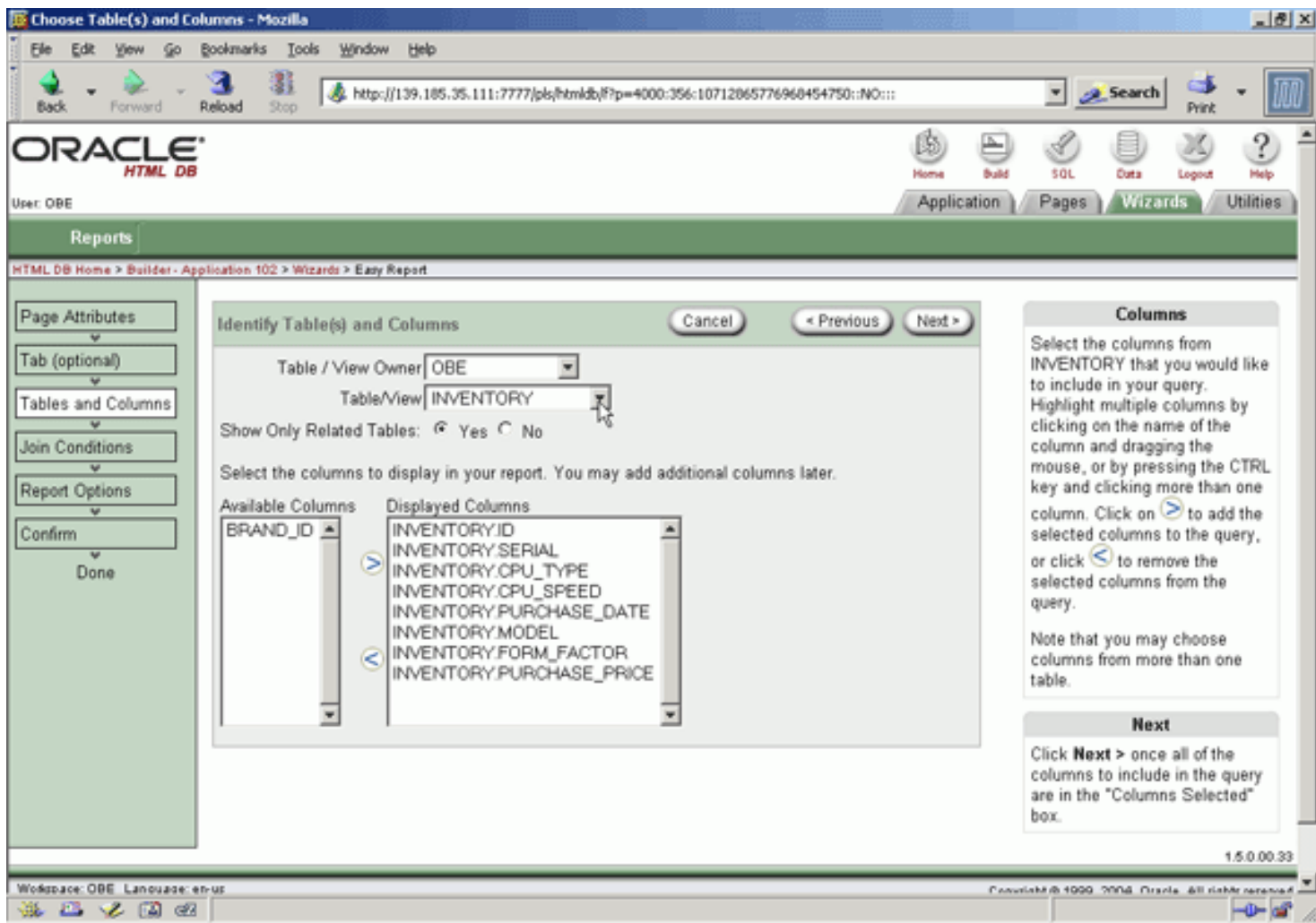
The 'Identify Page Attributes' dialog box is open, showing the following fields:

- Application: 102 - Inventory Application
- Page: 1
- Page Title: Report
- Region Title: Hardware Inventory
- Region Template: Large Red Title

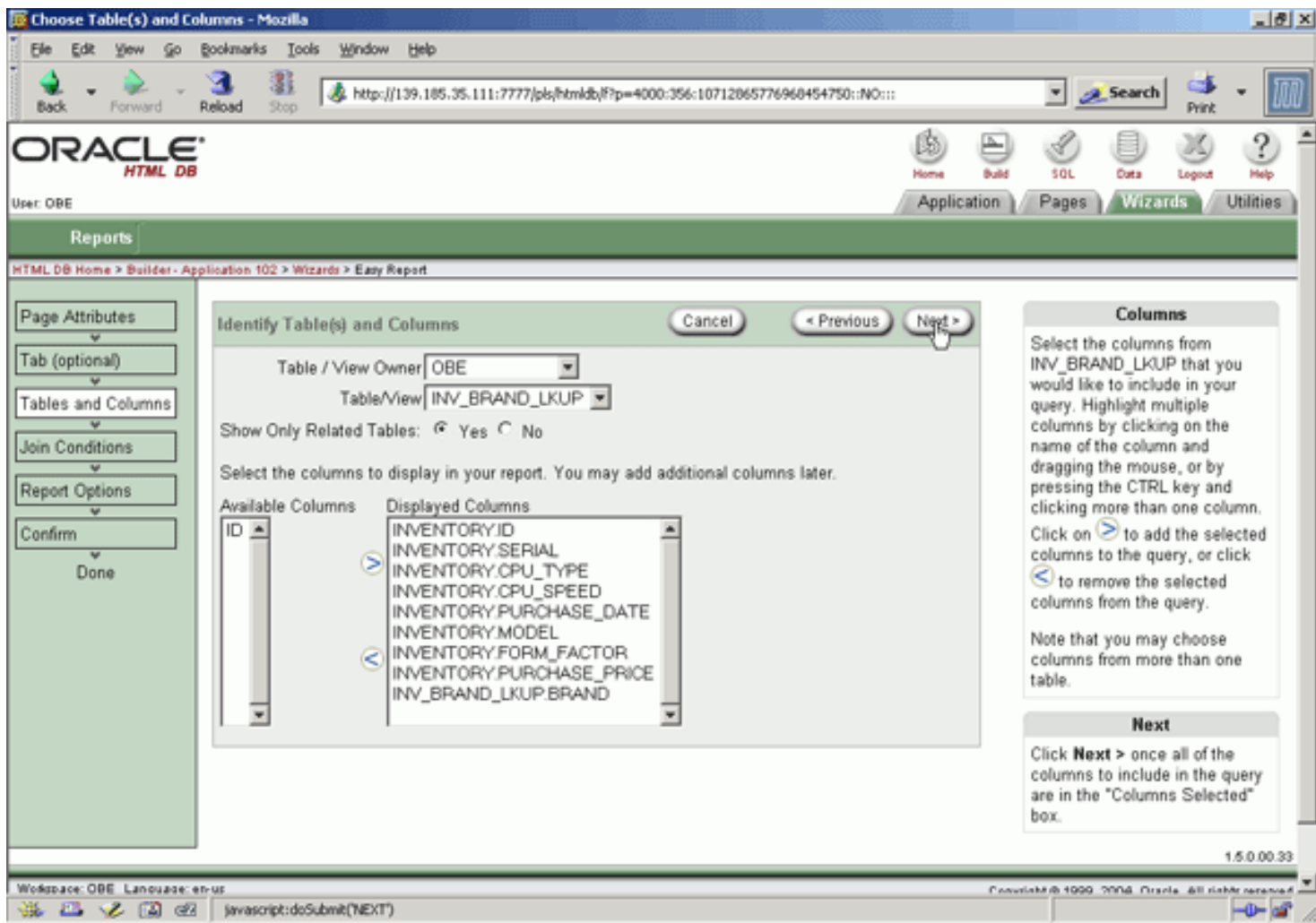
Buttons for 'Cancel' and 'Next >' are present. A 'Next >' button is also visible in the top right of the wizard area. A sidebar on the left contains buttons for 'Page Attributes', 'Tab (optional)', 'Tables and Columns', 'Join Conditions', 'Report Options', 'Confirm', and 'Done'. A status box on the right explains the purpose of the page.

At the bottom of the browser window, the status bar shows 'Workspace: OBE Language: en-us' and 'Copyright © 1999, 2004, Oracle. All rights reserved.' The JavaScript console at the very bottom shows the command 'javascript:doSubmit("Next")'.

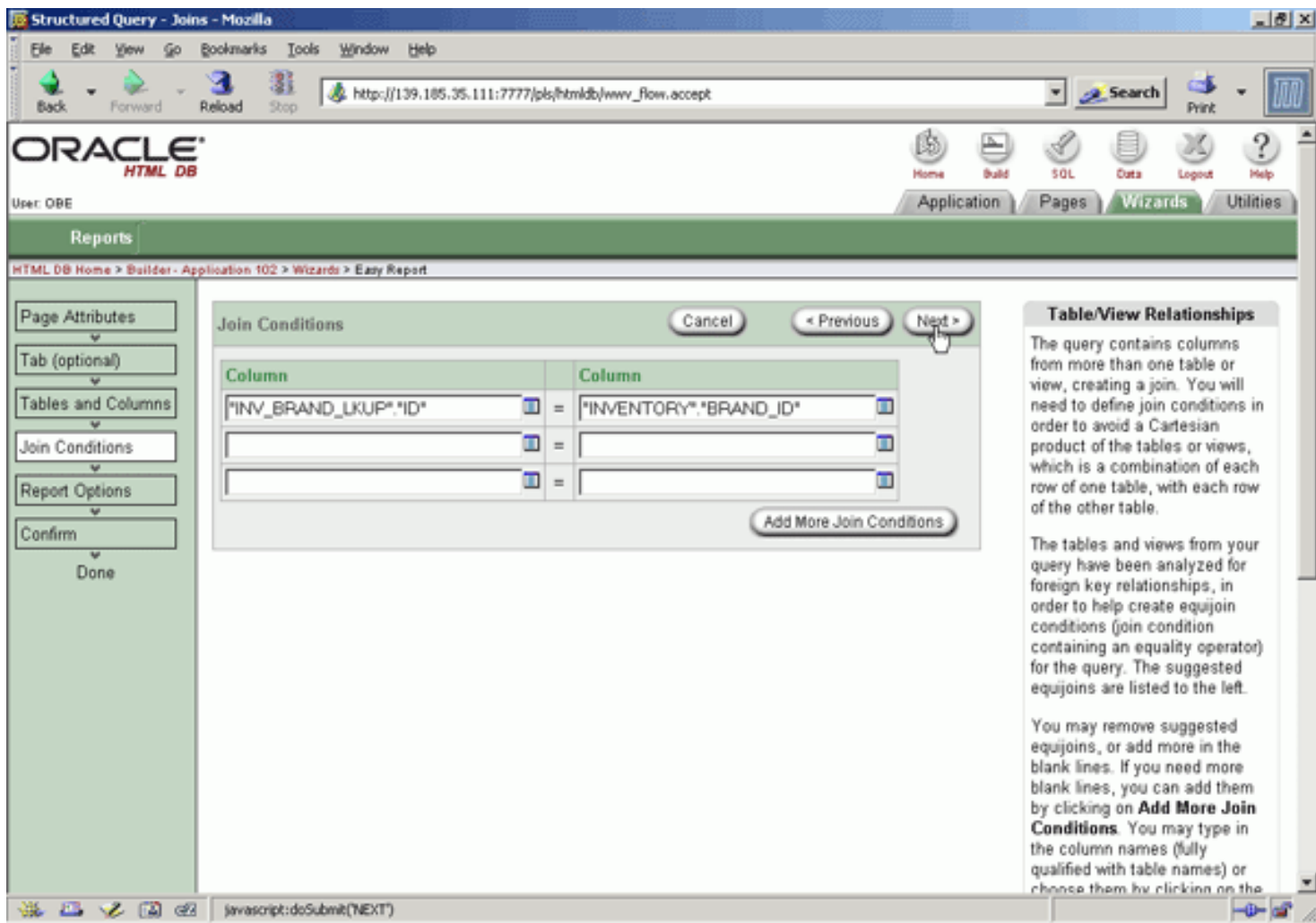
6. Make sure **INVENTORY** is select for Table/View. Select **all the columns** in the Available Columns *except* for BRAND_ID then click >.



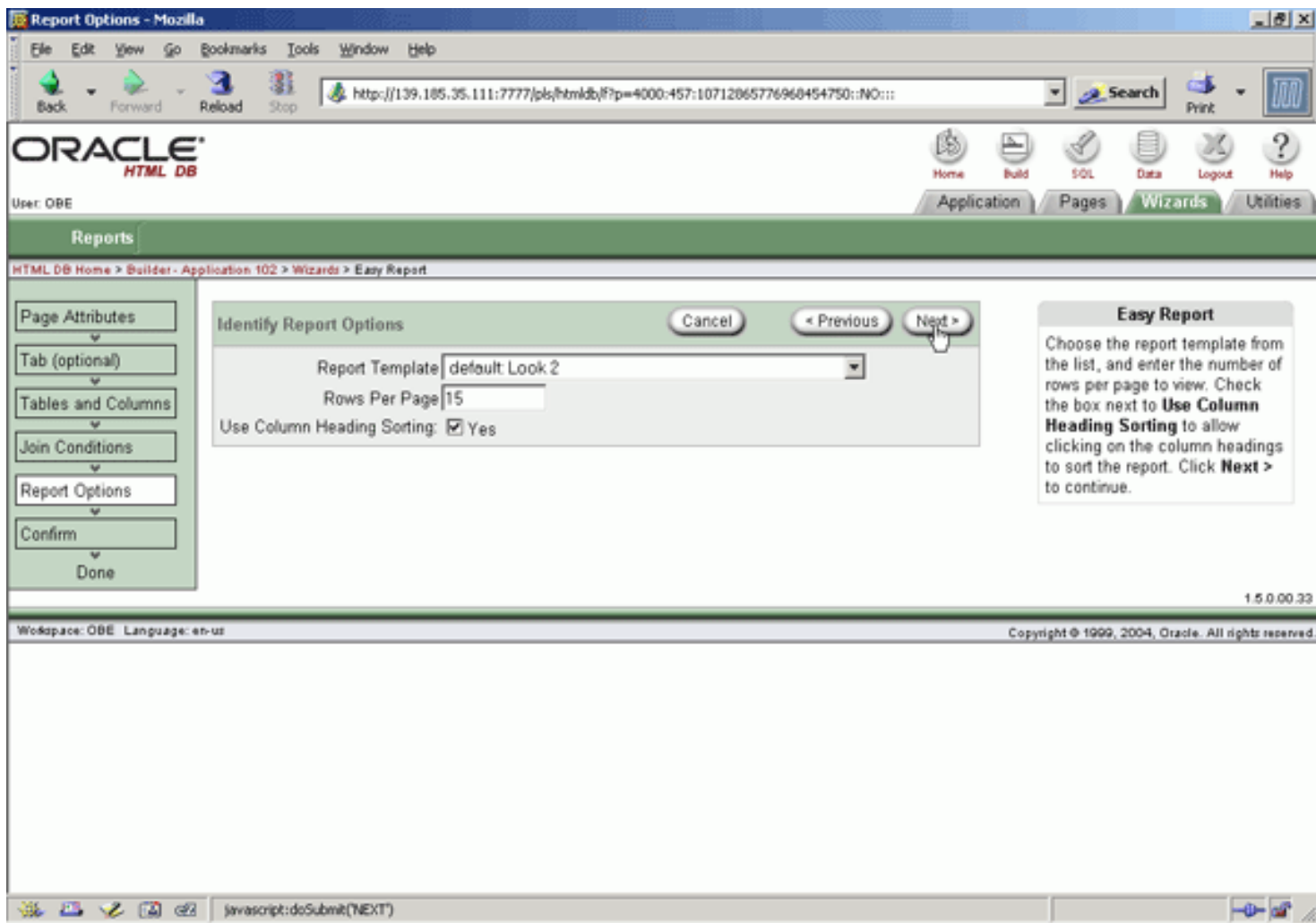
7. Select the table **INV_BRAND_LKUP** from the Table/View drop down list box. Select **Brand** from the list of the Available Columns and click > . Then click **Next**.



8. Click **Next** to accept the default Join condition.

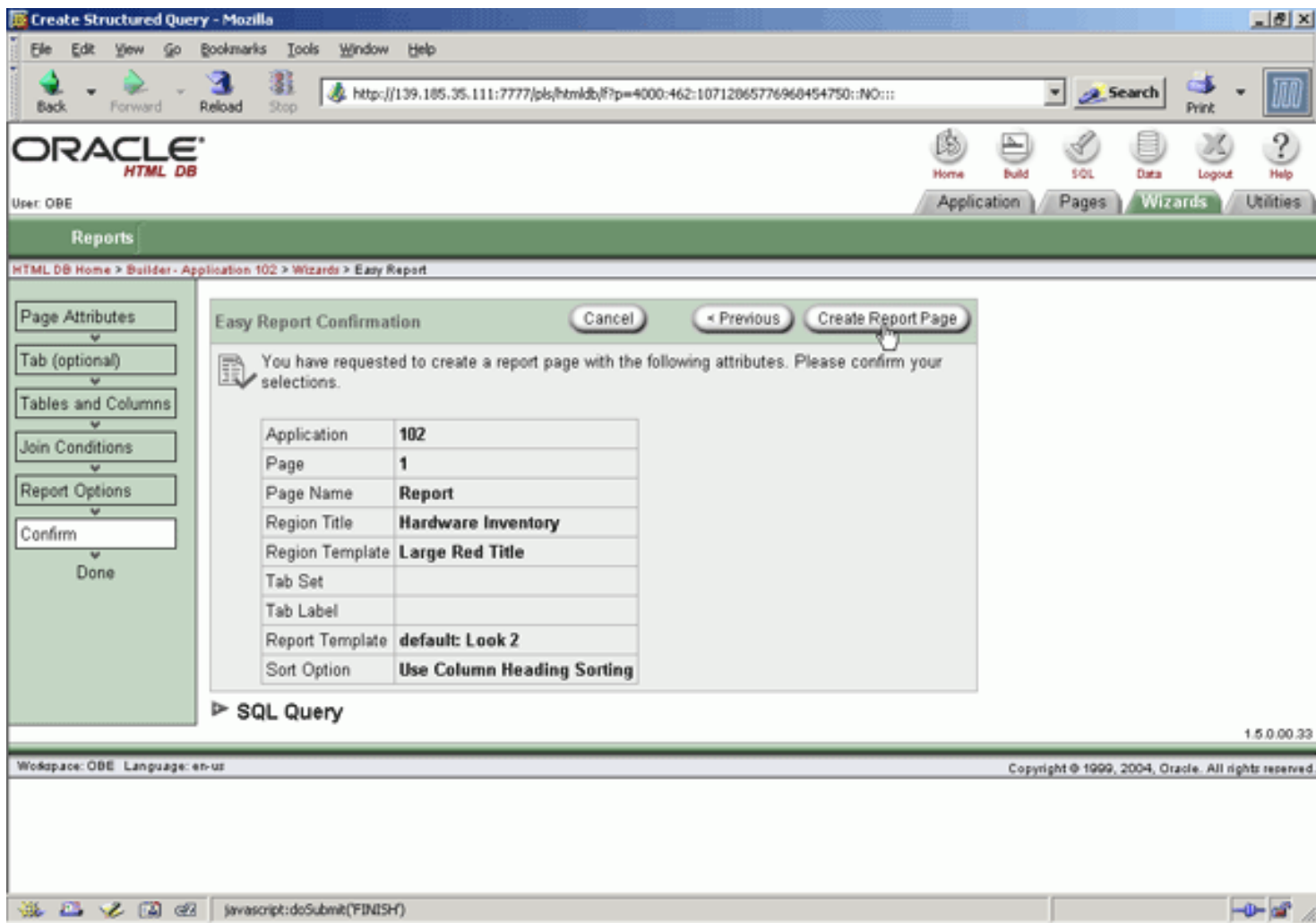


9. Click the **Use Column Heading Sorting** checkbox. Click **Next**.



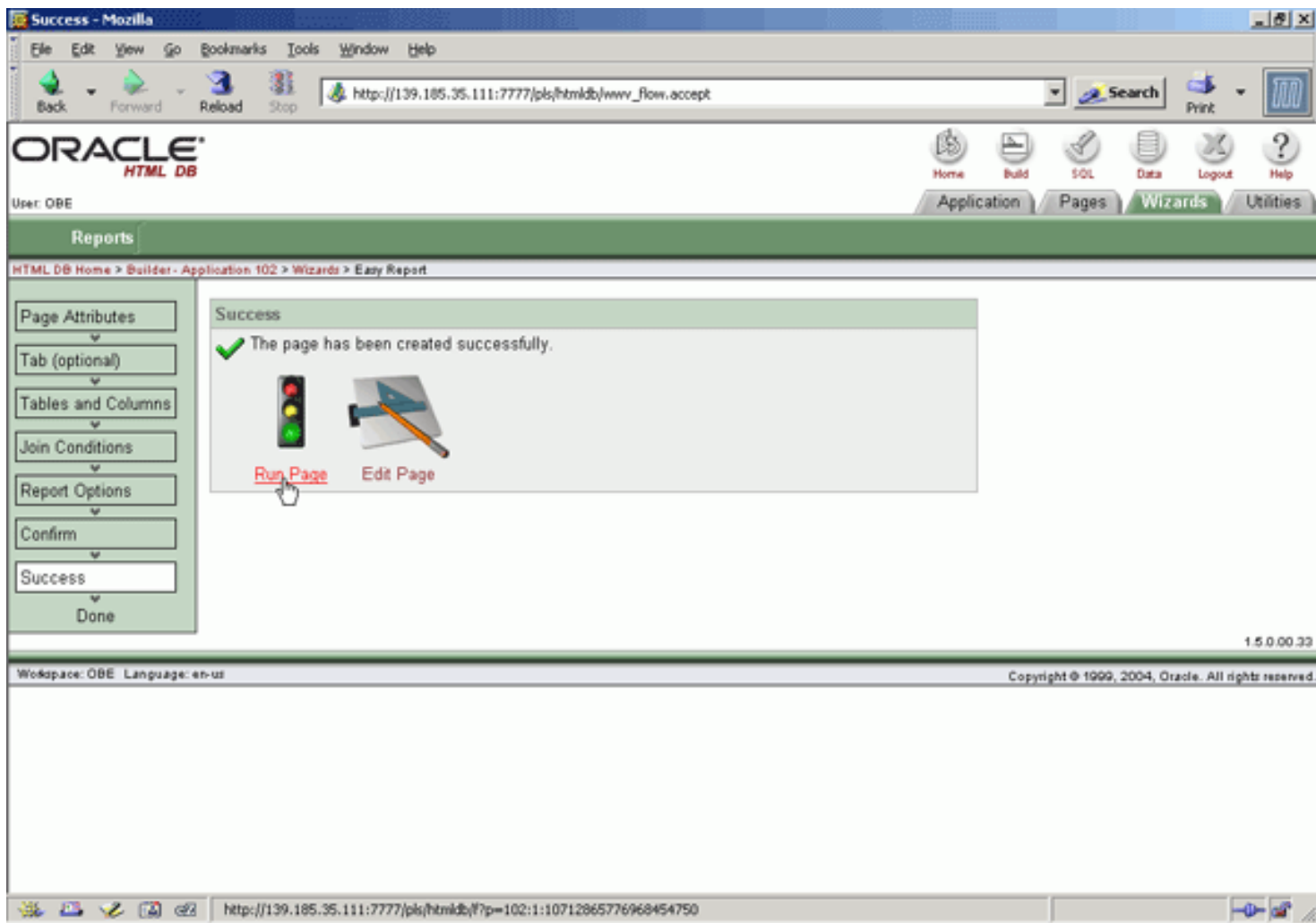
Review the reporting attributes and click **Create Report Page** .

10.



Click **Run Page** .

11.



12. The report you just created appears. All the data is retrieved from the Inventory table you created previously. All the code was automatically generated by HTML DB! Click **Next** link at the bottom to show the next 15 rows.

Inventory Report - Mozilla

File Edit View Go Bookmarks Tools Window Help

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http://139.185.35.111:7777/pls/htmldb/f?p=102:1:10712865776968454750

Search Print

ORACLE

Print Logout

Inventory Report Manage Inventory Page 3 Page 4 Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
1	0C8765T	Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
2	1U09CM2423	Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
3	0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
4	51214246AB	Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
5	HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
6	W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
7	2DLP1	Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
8	6ZQ11	Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
9	59785246GH	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
10	12375936YT	Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
11	LTS5133	Digital	Pentium I	100	01-JAN-96	Hinote Ultra II	L	2188
12	A492CSLZE265	Compaq	Pentium III	750	23-JUN-99	Deskpro	D	5066
13	3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
14	UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
15	6901B475	Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321

row(s) 1 - 15 of 37 Next

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Edit Application Edit Page 1 New Session Debug Show Edit Links

http://139.185.35.111:7777/pls/htmldb/f?p=102:1:1071286...9016768pg_min_row=168pg_max_rows=158pg_rows_fetched=15

You can sort by a particular column. Click **Cpu Type** to sort.

13.

Inventory Report | Manage Inventory | Page 3 | Page 4 | Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
16	OK765KLJL543	Apple	PowerPC G3	450	08-SEP-00	Powerbook	L	2870
17	BHDY087	Dell	Pentium III	600	27-OCT-01	Optiplex	D	5276
18	QT6547PLPS	Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
20	H098OIUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
22	GFDU65454OIU	Dell	Pentium III	450	24-OCT-01	Latitude CS	L	5120
23	QT21603PLP5	Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773
24	QT1030FH	Apple	PowerPC G4	667	10-JAN-02	Powerbook	L	3800
25	XA9042NUFLO	Apple	PowerPC G3	333	13-APR-01	Powerbook	L	2650
26	FL4Q321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
27	WE5483	Dell	PowerPC G4	200	09-OCT-00	Optiplex	D	2343
28	YUED6888	Dell	Pentium III	667	01-JUN-99	Optiplex GX1	D	3256
29	LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
30	54HFLDSEG77	Toshiba	Pentium III	466	14-JUN-03	Tecra 8200	L	5401

Previous row(s) 16 - 30 of 37 Next

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Adding a Form

[Back to List](#)

You will want the user to be able to change the data in the table so the application needs to contain a form. Perform the following:

1. Click the **Manage Inventory** tab. This is the page where you will add the form.

Hardware Inventory

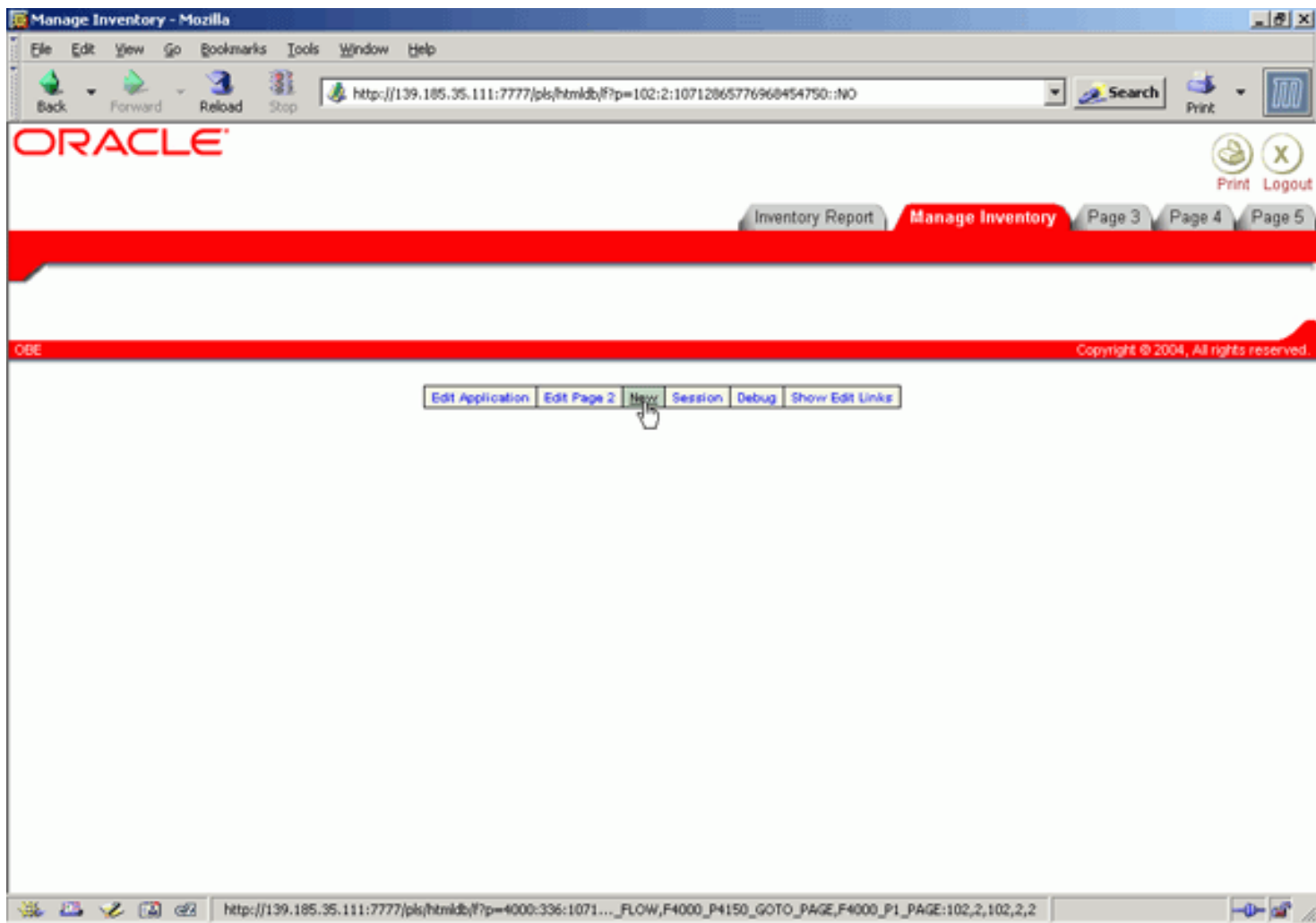
Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
17	BHDY087	Dell	Pentium III	600	27-OCT-01	Optiplex	D	5276
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
22	GFDU65454OIU	Dell	Pentium III	450	24-OCT-01	Latitude CS	L	5120
26	FL40321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
28	YUED8888	Dell	Pentium III	667	01-JUN-99	Optiplex GX1	D	3256
30	54HFLDSEG77	Toshiba	Pentium III	466	14-JUN-03	Tecra 8200	L	5401
31	90DSLFR7	Dell	Pentium III	366	15-JUN-02	GX240	D	6588
35	8UJJD SLKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
5	HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
20	H098OIUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
29	LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
14	UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
16	OK765KLJL543	Apple	PowerPC G3	450	08-SEP-00	Powerbook	L	2870
25	XA9042NUFLO	Apple	PowerPC G3	333	13-APR-01	Powerbook	L	2650

Previous row(s) 16 - 30 of 37 Next

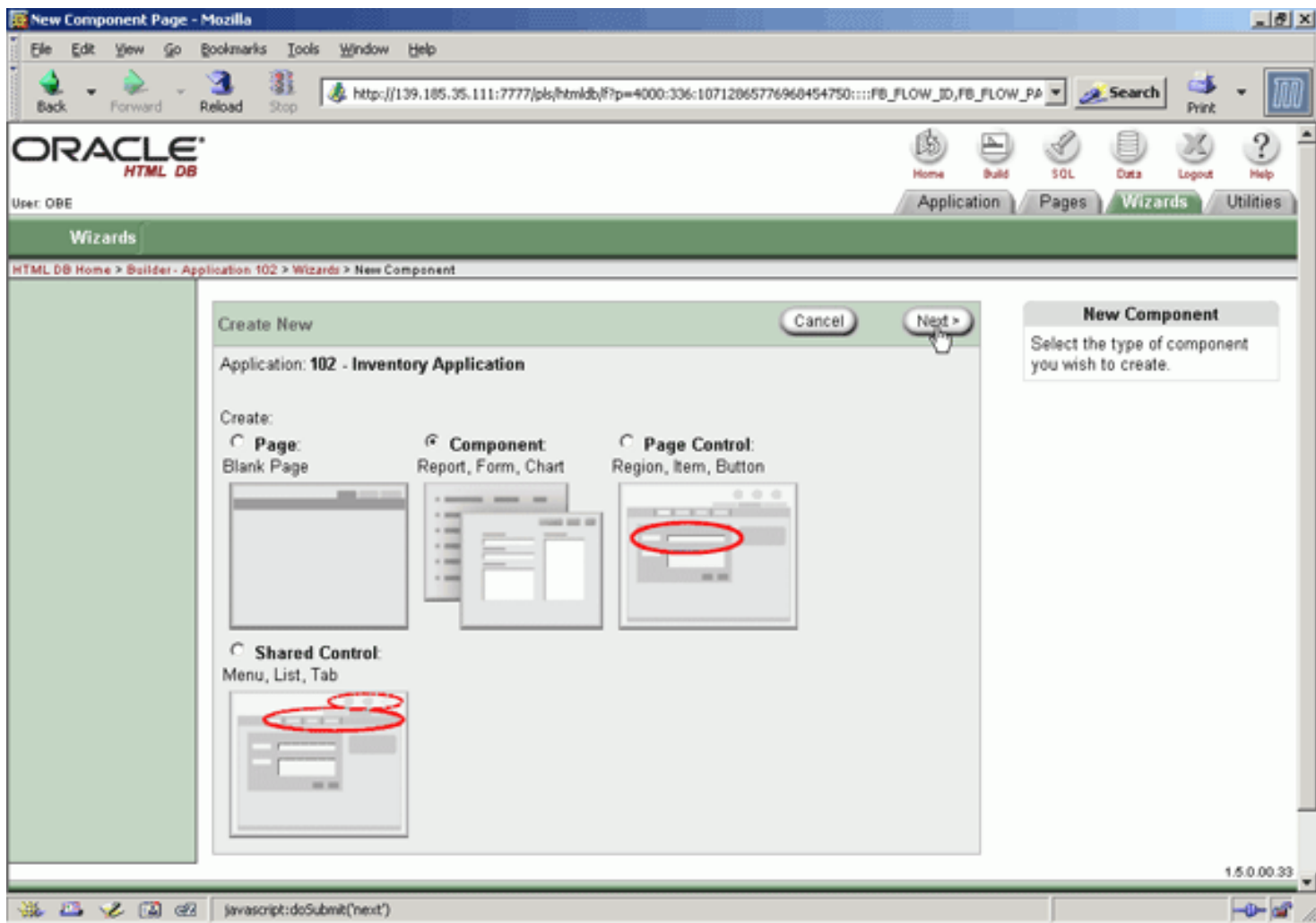
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javascript:doSubmit('T_MANAGE_INVENTORY');

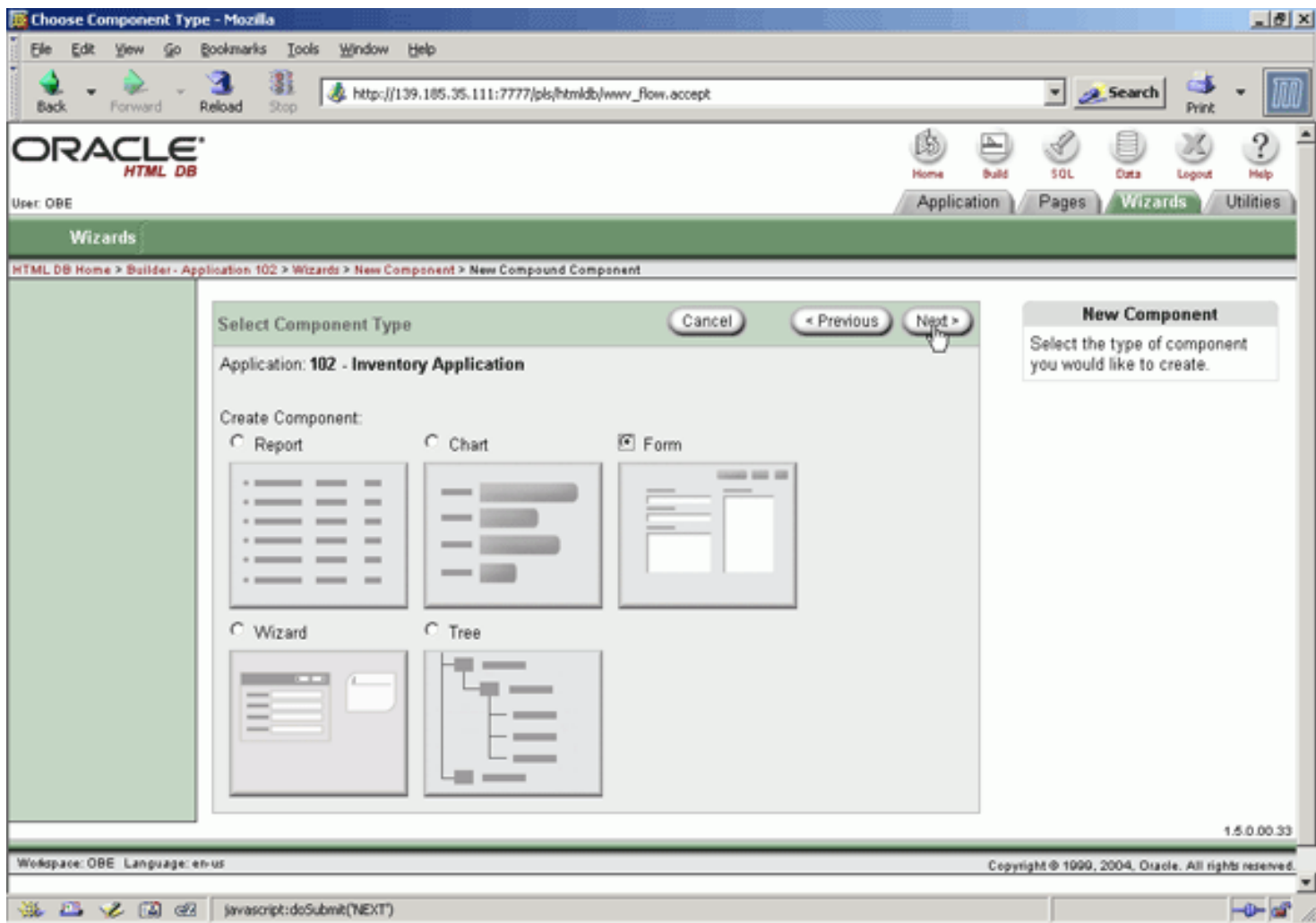
2. Click the **New** link to create a new component on this page.



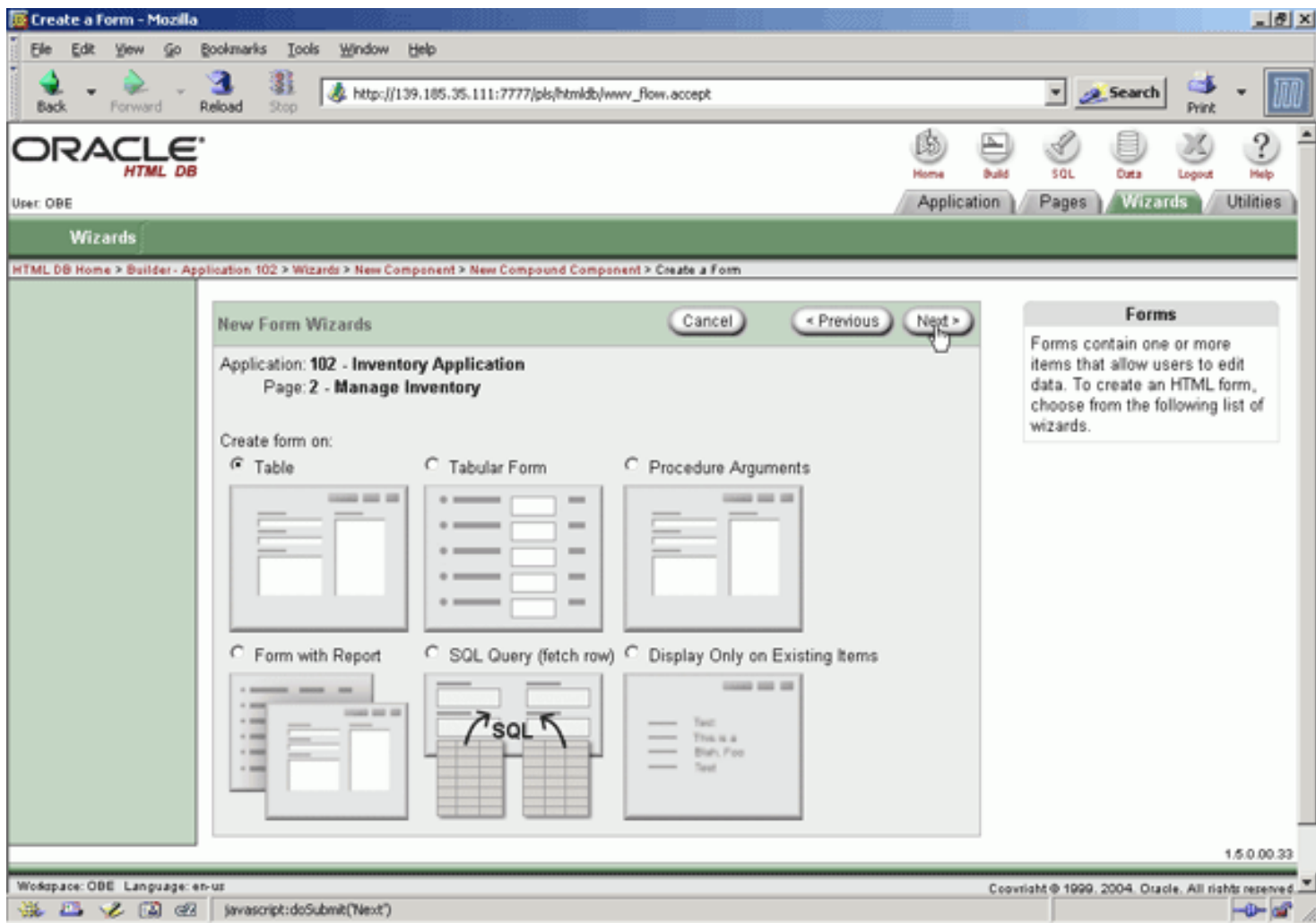
3. Make sure that the **Component** radio button is selected. Then click **Next** .



4. Click the **Form** radio button is selected. Then click **Next** .



5. Make sure that the **Table** radio button is selected. Then click **Next** .



6. You should be listed as the Table / View Owner. Click **Next**.

Create Form on Table Wizard - Mozilla

File Edit View Go Bookmarks Tools Window Help

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http://139.185.35.111:7777/pls/htmldb/f?p=4000:453:10712065776960454750::NO:4708,4709,4713,4771,4772::

Search Print

ORACLE[®]
HTML DB

User: OBE

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Application Pages **Wizards** Utilities

Form on Table

HTML DB Home > Builder - Application 102 > Wizards > Form on Table

Table / View Owner
Table / View Name
Page and Region Attributes
Tab (optional)
Primary Key
Columns
Process Options
Branching
Confirm
Done

Identify Table / View Owner

Cancel Next >

Table / View Owner: OBE

Form on Table

This wizard will build a form to update a single row in a database table.

Select the schema owner who owns the database table or view.

15.0.00.33

Workspace: OBE Language: en-us

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javascript:doSubmit(NEXT)

7. Select the **search light** icon to select the table that you want to base this form on.

Create Form on Table (page 2) - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=4000:4709:10712865776968454750::NO:::

Search Print

ORACLE[®]
HTML DB

User: OBE

Home Build SQL Data Logout Help

Application Pages **Wizards** Utilities

Form on Table

HTML DB Home > Builder - Application 102 > Wizards > Form on Table

Table / View Owner
Table / View Name
Page and Region Attributes
Tab (optional)
Primary Key
Columns
Process Options
Branching
Confirm
Done

Identify Table / View Name

Cancel < Previous Next >

Owner: OBE

Table / View Name

Form on Table

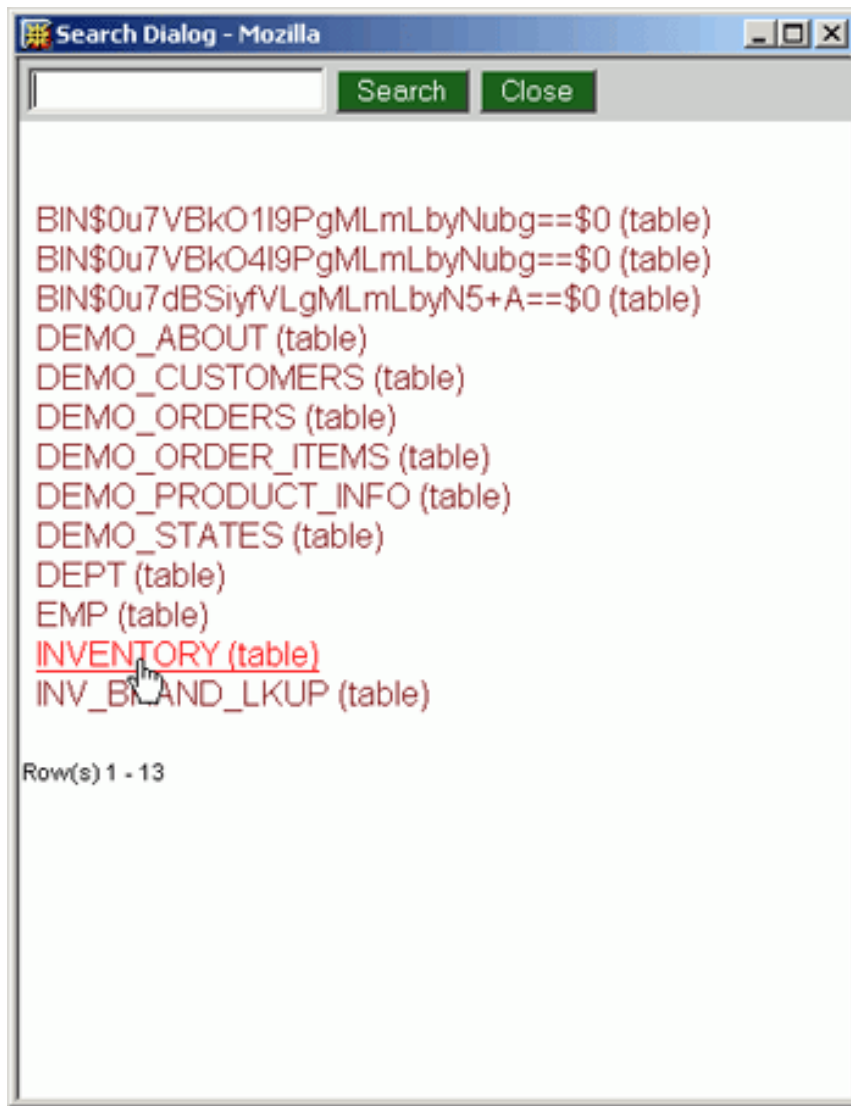
Select the table or view on which you wish to base your form.

15.0.00.33

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

javascript:genList0_p_t01_2(document.forms[0].p_t01)

8. Select the **INVENTORY** table from the list.



9. Click **Next** .

Create Form on Table (page 2) - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=4000:4709:10712865776968454750::NO::

Search Print

ORACLE[®]
HTML DB

User: OBE

Home Build SQL Data Logout Help

Application Pages **Wizards** Utilities

Form on Table

HTML DB Home > Builder - Application 102 > Wizards > Form on Table

Table / View Owner
Table / View Name
Page and Region Attributes
Tab (optional)
Primary Key
Columns
Process Options
Branching
Confirm
Done

Identify Table / View Name

Cancel < Previous **Next >**

Owner: OBE

Table / View Name: INVENTORY

Form on Table

Select the table or view on which you wish to base your form.

15.0.00.33

Workspace: OBE Language: en-us

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javascript:doSubmit(NEXT)

Enter **Form** for the Page Name and **Edit Inventory Item** for the Region Title and click **Next** .

10.

Create Form on Table Wizard - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/www_flow.accept Search Print

ORACLE[®] HTML DB

User: OBE

Home Build SQL Data Logout Help

Application Pages **Wizards** Utilities

Form on Table

HTML DB Home > Builder - Application 102 > Wizards > Form on Table

Table / View Owner
Table / View Name
Page and Region Attributes
Tab (optional)
Primary Key
Columns
Process Options
Branching
Confirm
Done

Identify Page and Region Attributes

Cancel < Previous **Next >**

Owner: OBE
Table / View Name: INVENTORY

- Page: 2
- Page Name: Form
- Region Title: Edit Inventory Item
- Region Template: Large Red Title

Form on Table

Use this page to specify page and region information.

If the page you specify does not exist, the page will be created.

1.5.0.00.33

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

javascript:doSubmit(NEXT)

Accept the defaults and click **Next** .

11.

Create Form on Table (page 3) - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=4000:4713:10712865776968454750::NO::

Search Print

ORACLE[®]
HTML DB

User: OBE

Home Build SQL Data Logout Help

Application Pages **Wizards** Utilities

Form On Table

HTML DB Home > Builder - Application 102 > Wizards > Form on Table

Table / View Owner
Table / View Name
Page and Region Attributes
Tab (optional)
Primary Key
Columns
Process Options
Branching
Confirm
Done

Identify Primary Key

Cancel < Previous **Next >**

Page: 2
Owner: OBE
Table / View Name: INVENTORY
Primary Key ID
Primary Key Column 2 - Select Primary Key 2 -

Form on Table
Select the primary key column and the primary key column 2, if appropriate.

15.0.00.33

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

javascript:doSubmit(NEXT)

Click **Next** .

12.

Create Form on Table(page 4) - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/www_flow.accept Search Print

ORACLE[®]
HTML DB

User: OBE

Home Build SQL Data Logout Help

Application Pages **Wizards** Utilities

Form On Table

HTML DB Home > Builder - Application 102 > Wizards > Form on Table

Table / View Owner
Table / View Name
Page and Region Attributes
Tab (optional)
Primary Key
Columns
Process Options
Branching
Confirm
Done

Identify Columns to Include

Page: 2
Owner: OBE
Table / View Name: INVENTORY

Select Column(s)

- SERIAL (Varchar2)
- CPU_TYPE (Varchar2)
- CPU_SPEED (Number)
- PURCHASE_DATE (Date)
- MODEL (Varchar2)
- FORM_FACTOR (Varchar2)
- PURCHASE_PRICE (Number)
- BRAND_ID (Number)

Cancel < Previous Next >

Form on Table
Select the columns to include on the form.

15.0.00.33

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javascript:doSubmit("NEXT")

Change the Save Button Label to **Save** and click **Next** .

13.

Create Form on Table(page 5) - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/www_flow.accept Search Print

ORACLE[®]
HTML DB

User: OBE

Home Build SQL Data Logout Help

Application Pages **Wizards** Utilities

Form on Table

HTML DB Home > Builder - Application 102 > Wizards > Form on Table

Table / View Owner
Table / View Name
Page and Region Attributes
Tab (optional)
Primary Key
Columns
Process Options
Branching
Confirm
Done

Identify Process Options Cancel < Previous **Next >**

Page: 2
Owner: OBE
Table / View Name: **INVENTORY**
Cancel Button Label: Cancel

Show Create Button: Yes Create Button Label: Create
Show Save Button: Yes Save Button Label: Save
Show Delete Button: Yes Delete Button Label: Delete

Form on Table
Identify the process options and button display texts you want to let users have on the form. For example, if you want to restrict users not to delete from the form, choose 'No' for delete option.

15.0.00.33

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

javascript:doSubmit(NEXT)

14. Enter **1** for both After Page Submit and Processing Branch to Page and When Cancel Button Pressed Branch to this Page and Click **Next** .

At the confirmation window, click **Finish** .

15.

Create Form on Table - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/www_flow.accept Search Print

ORACLE[®]
HTML DB

User: OBE

Home Build SQL Data Logout Help

Application Pages **Wizards** Utilities

Form On Table

HTML DB Home > Builder - Application 102 > Wizards > Form on Table

Table / View Owner
Table / View Name
Page and Region Attributes
Tab (optional)
Primary Key
Columns
Process Options
Branching
Confirm
Done

Form on Table Confirmation

Cancel < Previous **Finish**

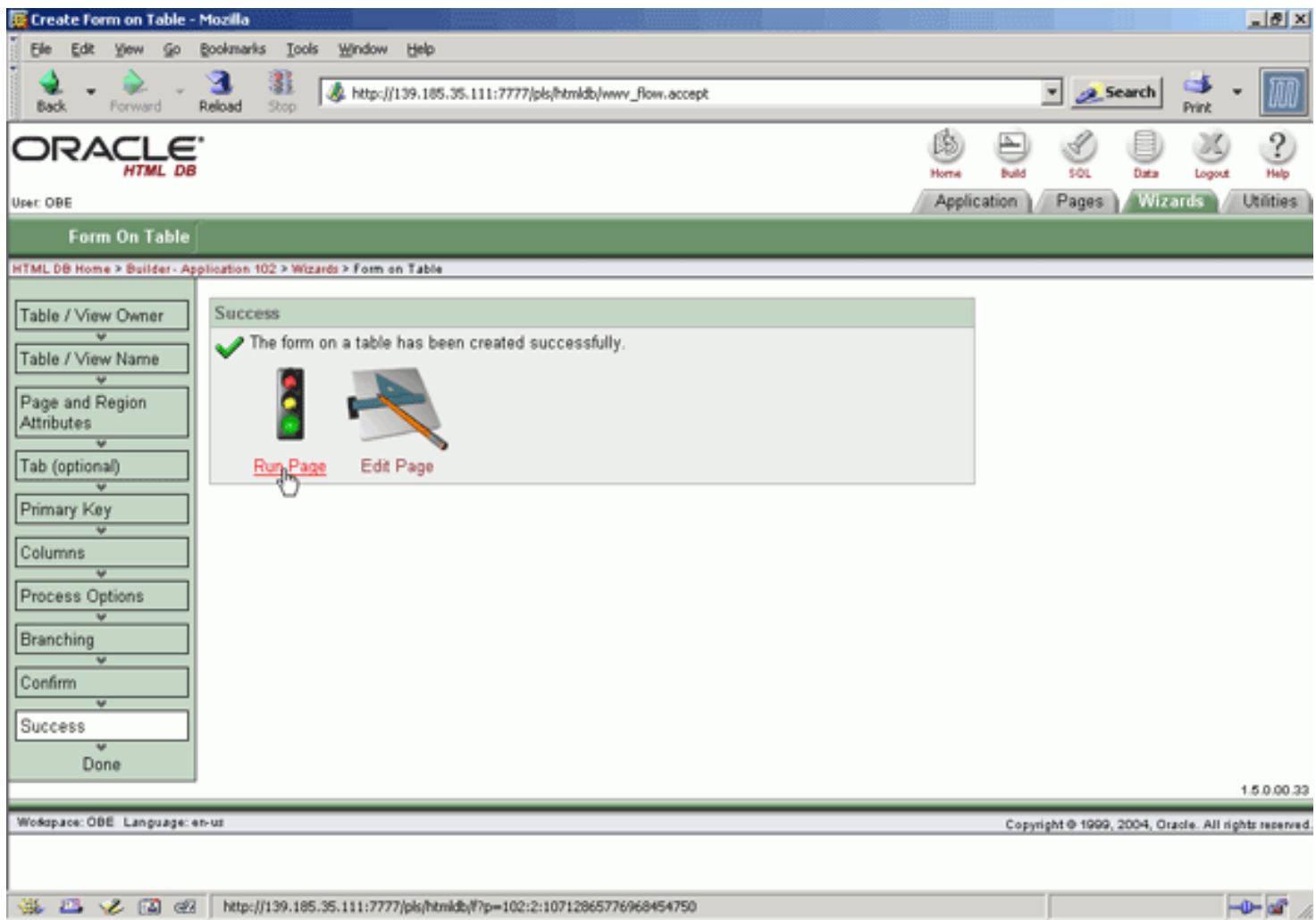
You have requested to create a form on a table page with the following attributes. Please confirm your selections.

Application	102
Page	2
Page Name	Form
Region Title	Edit Inventory Item
Region Template	Large Red Title
Table / View Owner	OBE
Table / View Name	INVENTORY
Primary Key 1	ID
Primary Key 2	
Display Columns	SERIAL CPU_TYPE CPU_SPEED PURCHASE_DATE MODEL FORM_FACTOR PURCHASE_PRICE BRAND_ID
Process Options	Insert,Update,Delete

javascript:doSubmit('Finish')

Click **Run Page** .

16.



17. Enter **ABC12345** for Serial, **Pentium IV** for Cpu Type and **2000** for Cpu Speed, then click the calendar button to select a Purchase Date.

Manage Inventory - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=102:2:10712865776968454750

Search Print

ORACLE

Print Logout

Inventory Report **Manage Inventory** Page 3 Page 4 Page 5

Edit Inventory Item

Cancel Create

Serial ABC12345

Cpu Type Pentium IV

Cpu Speed 2000

Purchase Date

Model

Form Factor

Purchase Price

Brand Id Apple

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Edit Application Edit Page 2 New Session Debug Show Edit Links

javascript:genCal0_p_t05_50

Select a Date.

18.

Calendar - Mozilla

February 2004

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						

Close

19. Enter **Tecra** for the Model, **L** for the Form Factor and **4300** for the Purchase Price. Select the Brand **Toshiba** from the Brand drop down list box and then click **Create** .

Manage Inventory - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=102:2:10712865776968454750

Search Print

ORACLE

Print Logout

Inventory Report **Manage Inventory** Page 3 Page 4 Page 5

Edit Inventory Item

Cancel Create

Serial: ABC12345

Cpu Type: Pentium IV

Cpu Speed: 2000

Purchase Date: 04-FEB-04

Model: Tecra

Form Factor: L

Purchase Price: 4300

Brand Id: Toshiba

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Edit Application Edit Page 2 New Session Debug Show Edit Links

javascript:genCal0_p_t05_50

20. A row was inserted into the INVENTORY table and you were branched to the Inventory tab which is page one. You specified that you wanted this to happen after submit. Click on the **Previous** link to return to the first page of data.

Inventory Report - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=102:1:1071286577696@454750:::::bsuccess_msg=Action%20Pro Search Print

ORACLE

Print Logout

✓ Action Processed.

Inventory Report Manage Inventory Page 3 Page 4 Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
17	BHDY087	Dell	Pentium III	600	27-OCT-01	Optiplex	D	5276
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
22	GFDU654540IU	Dell	Pentium III	450	24-OCT-01	Latitude CS	L	5120
26	FL4Q321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
28	YUED8888	Dell	Pentium III	667	01-JUN-99	Optiplex GX1	D	3256
30	54HFLDSEG77	Toshiba	Pentium III	466	14-JUN-03	Tecra 8200	L	5401
31	9ODSLFR7	Dell	Pentium III	366	15-JUN-02	GX240	D	6588
35	8UJJDLSKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
5	HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
20	H0960IUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
29	LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
38	ABC12345	Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
14	UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
16	OK765KLJL543	Apple	PowerPC G3	450	08-SEP-00	Powerbook	L	2870

Previous row(s) 16 - 30 of 38 Next

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http://139.185.35.111:7777/pls/htmldb/f?p=102:1:1071286...29016768pg_min_row=18pg_max_rows=158pg_rows_fetched=15

Click on the header **Cpu Speed** to sort by this column in descending order.

21.

Inventory Report - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=102:1:10712865776968454750::fsp_sort_28fsp_region_id=57643

Search Print

ORACLE

Print Logout

Inventory Report Manage Inventory Page 3 Page 4 Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
1	0C8765T	Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
3	0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
10	12375936YT	Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
2	1U09CM2423	Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
7	2DLP1	Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
13	3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
4	51214246AB	Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
34	54FFFVDWS	Dell	PowerPC G3	800	24-OCT-96	Optiplex GXMT 5166	D	2378
30	54HFLDSEG77	Toshiba	Pentium III	466	14-JUN-03	Tecra 8200	L	5401
9	59785246GH	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
15	6901B475	Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321
8	6ZQ11	Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
32	88LDKSUE	Compaq	PowerPC G4	450	08-APR-01	Deskpro EN	D	5330
35	8UJDSLKN	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
19	9875H879	Toshiba	Pentium III	650	05-OCT-01	Tecra 8200	L	5446

row(s) 1 - 15 of 38 Next

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Edit Application Edit Page 1 New Session Debug Show Edit Links

http://139.185.35.111:7777/pls/htmldb/f?p=102:1:10712865776968454750::fsp_sort_58fsp_region_id=576431602901676

You see that your row was inserted. Click **Edit page 1** at the bottom of your window.

22.

Inventory Report | Manage Inventory | Page 3 | Page 4 | Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
26	FL4Q321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
38	ABC12345	Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
5	HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
20	H0980IUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
36	JKEW77U	Toshiba	Pentium I	1700	01-MAR-03	Tecra 740 CDT	L	2266
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
37	OKMND876	Digital	Pentium I	1200	01-JAN-98	Hinote Ultra II	L	2188
3	0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
29	LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
13	3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
35	8UJJD5LKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
6	W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
18	QT6547PLPS	Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
23	QT21603PLP5	Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773

row(s) 1 - 15 of 38 Next

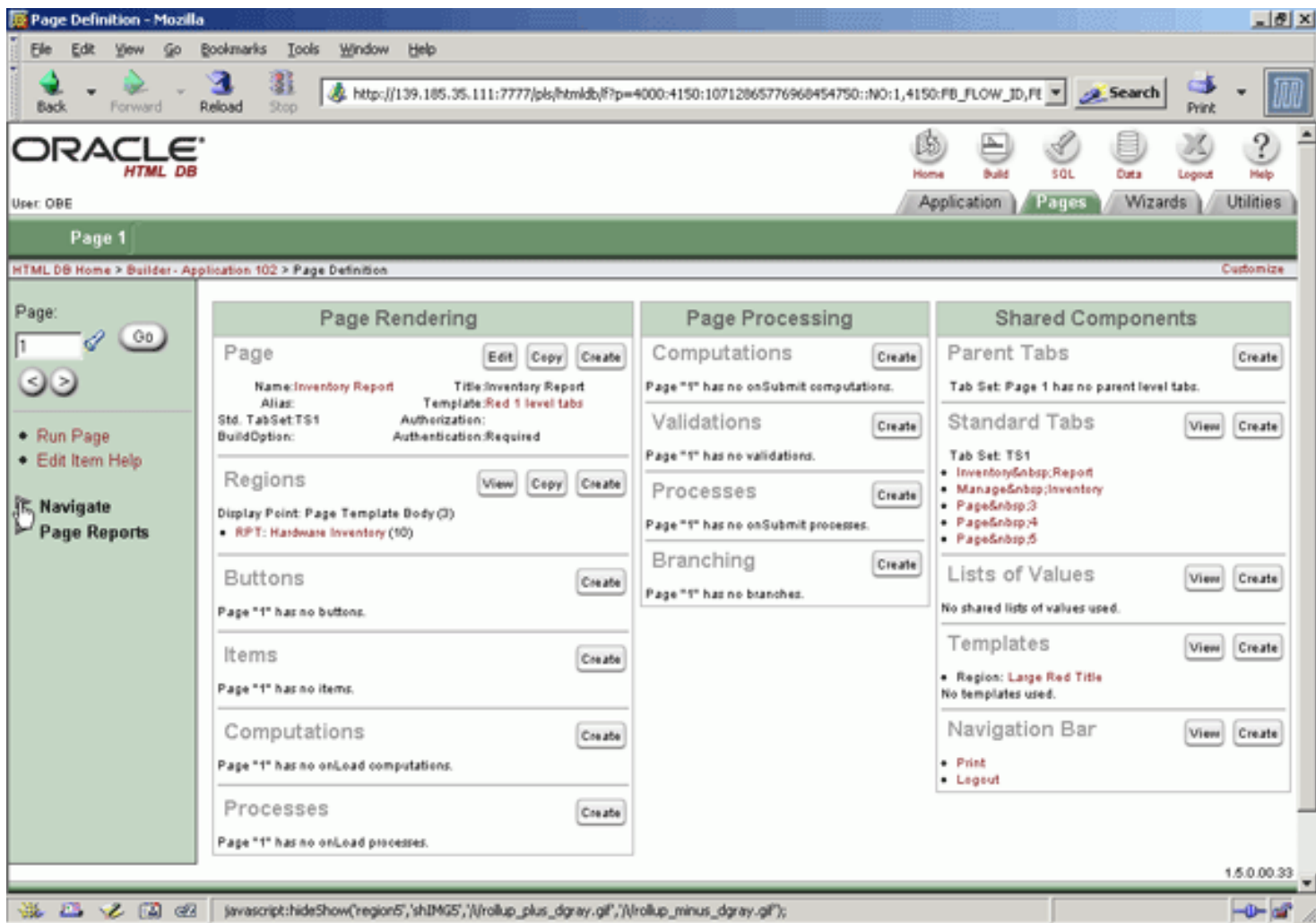
Copyright © 2004, All rights reserved.

Creating and Applying a New Page Template

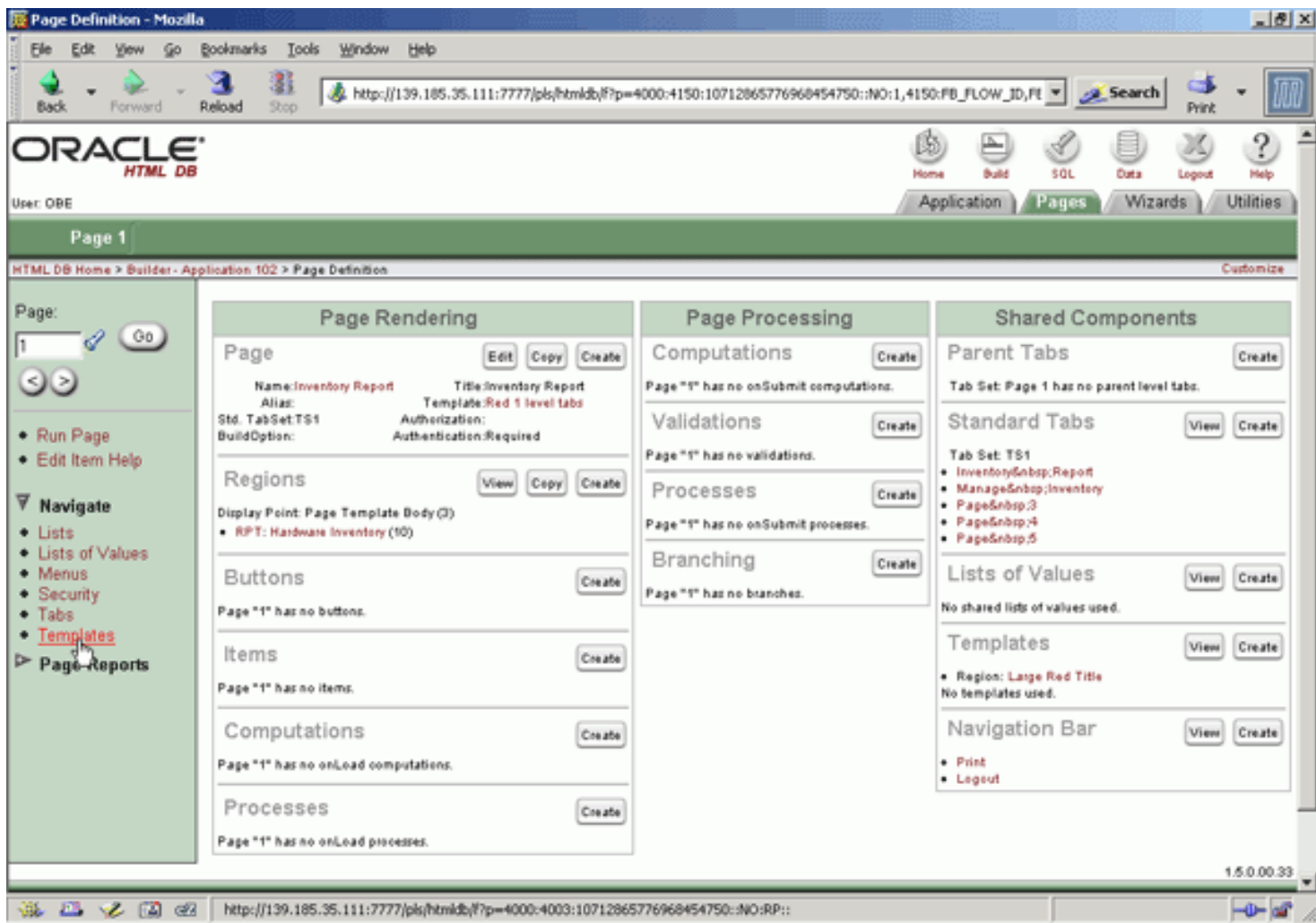
[Back to List](#)

You would like to change the look and feel of the application. In order to do this, you need to create a new page template and then apply the template as the default for your application. Perform the following:

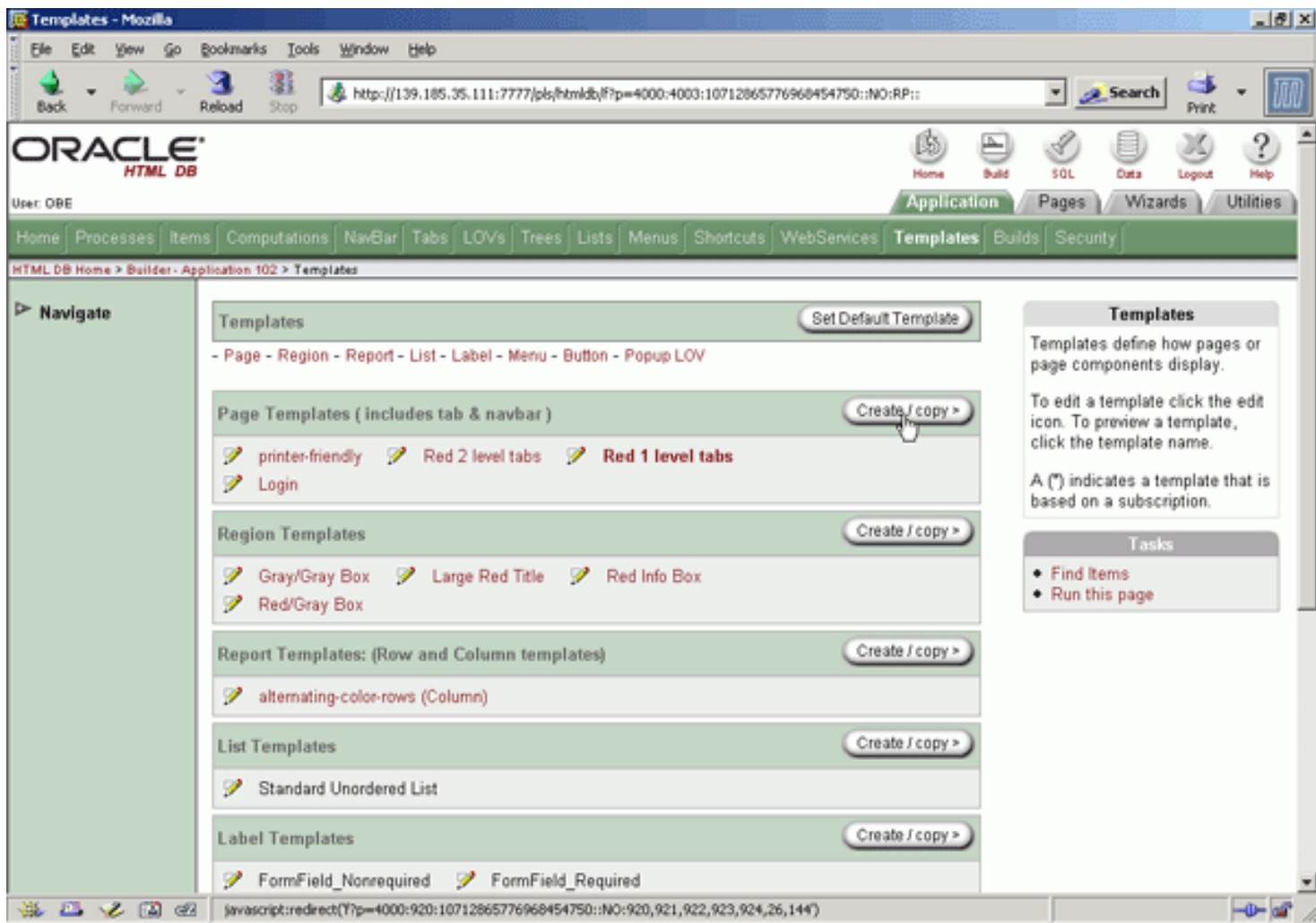
1. In the left navigator, expand **Navigate** .



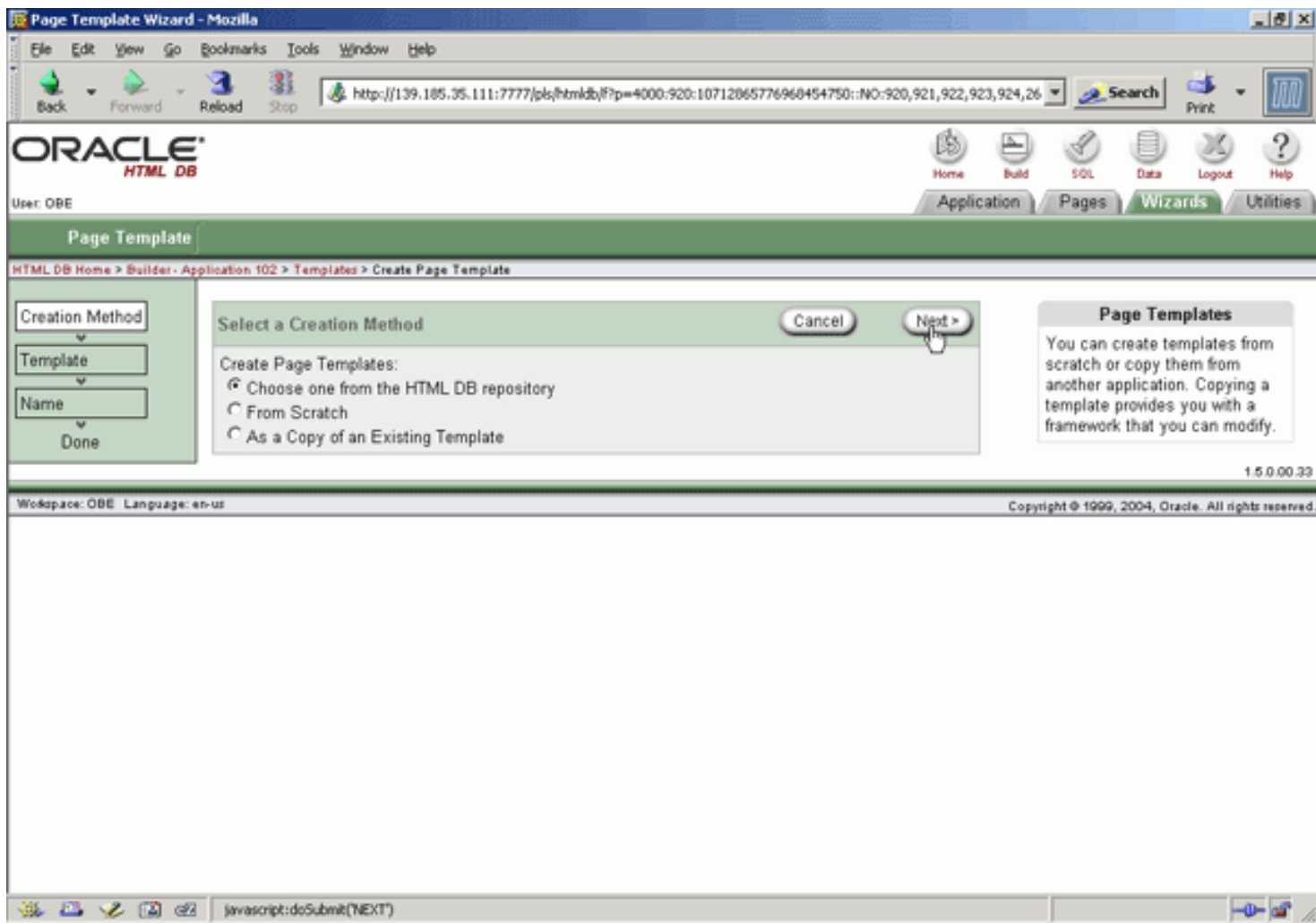
2. Click **Templates** .



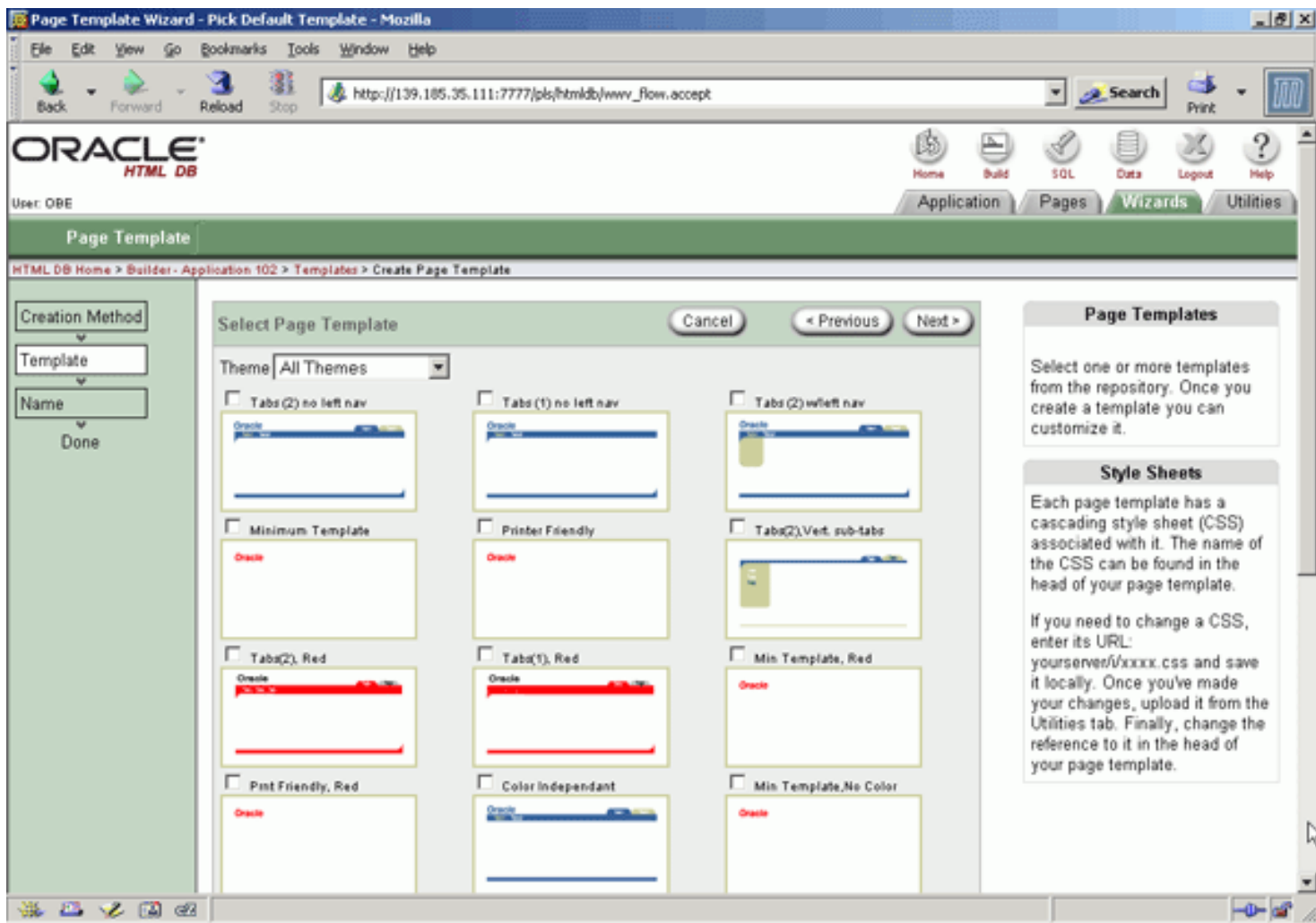
3. Click **Create / copy >** next to Page Templates.



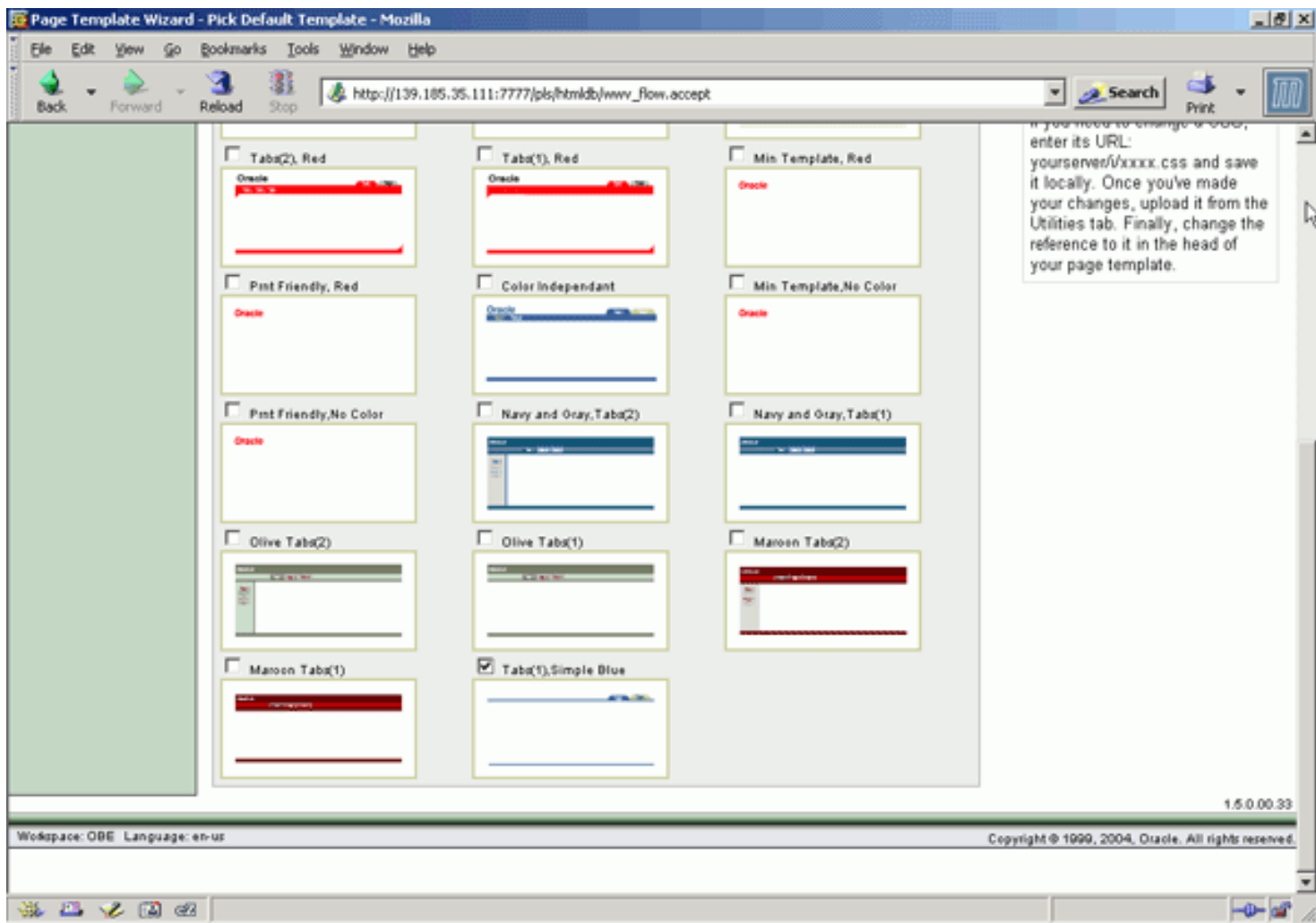
4. Make sure that the **Choose one from the HTML DB Repository** radio button is selected. Then click **Next**.



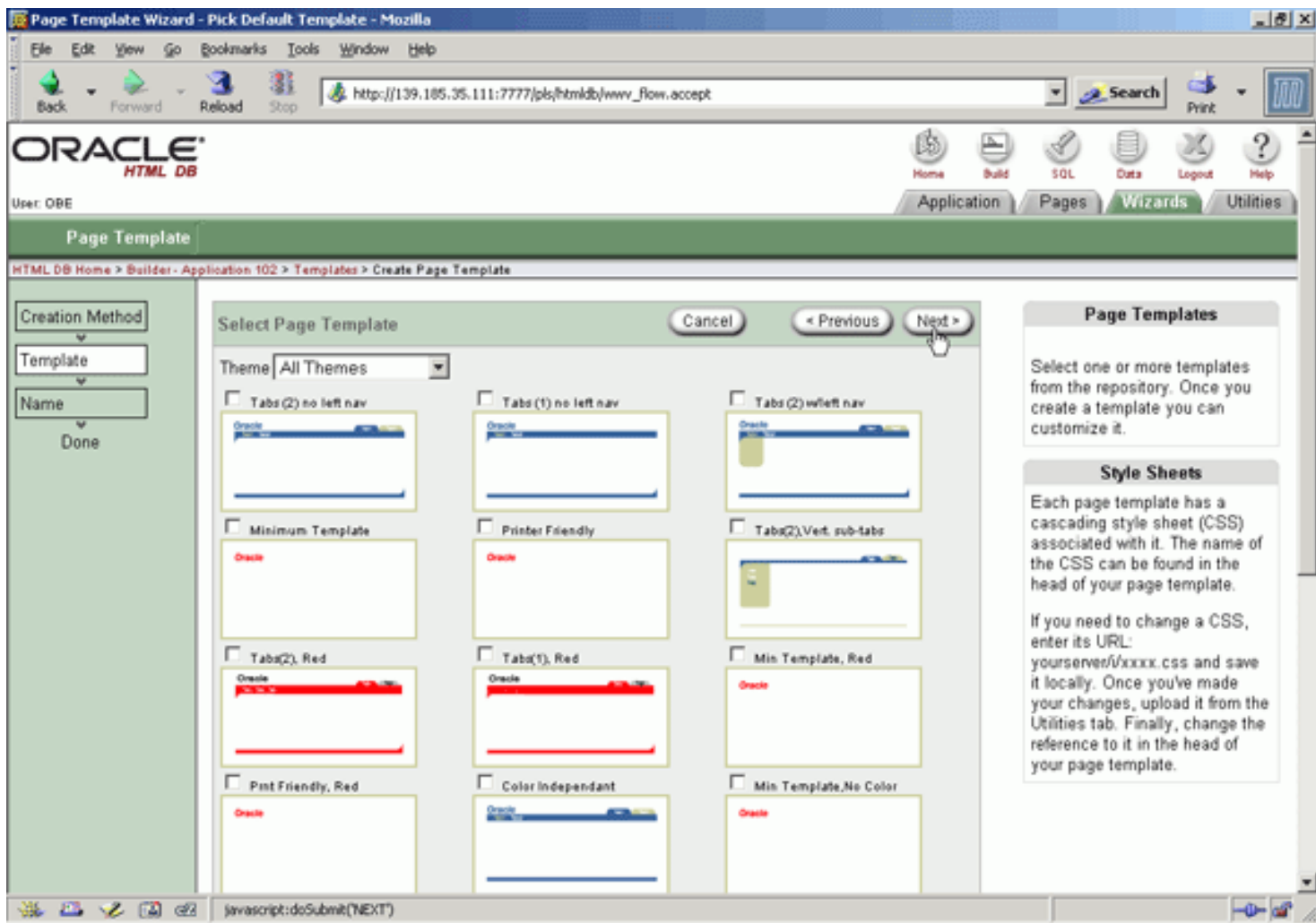
5. Scroll down to the bottom.



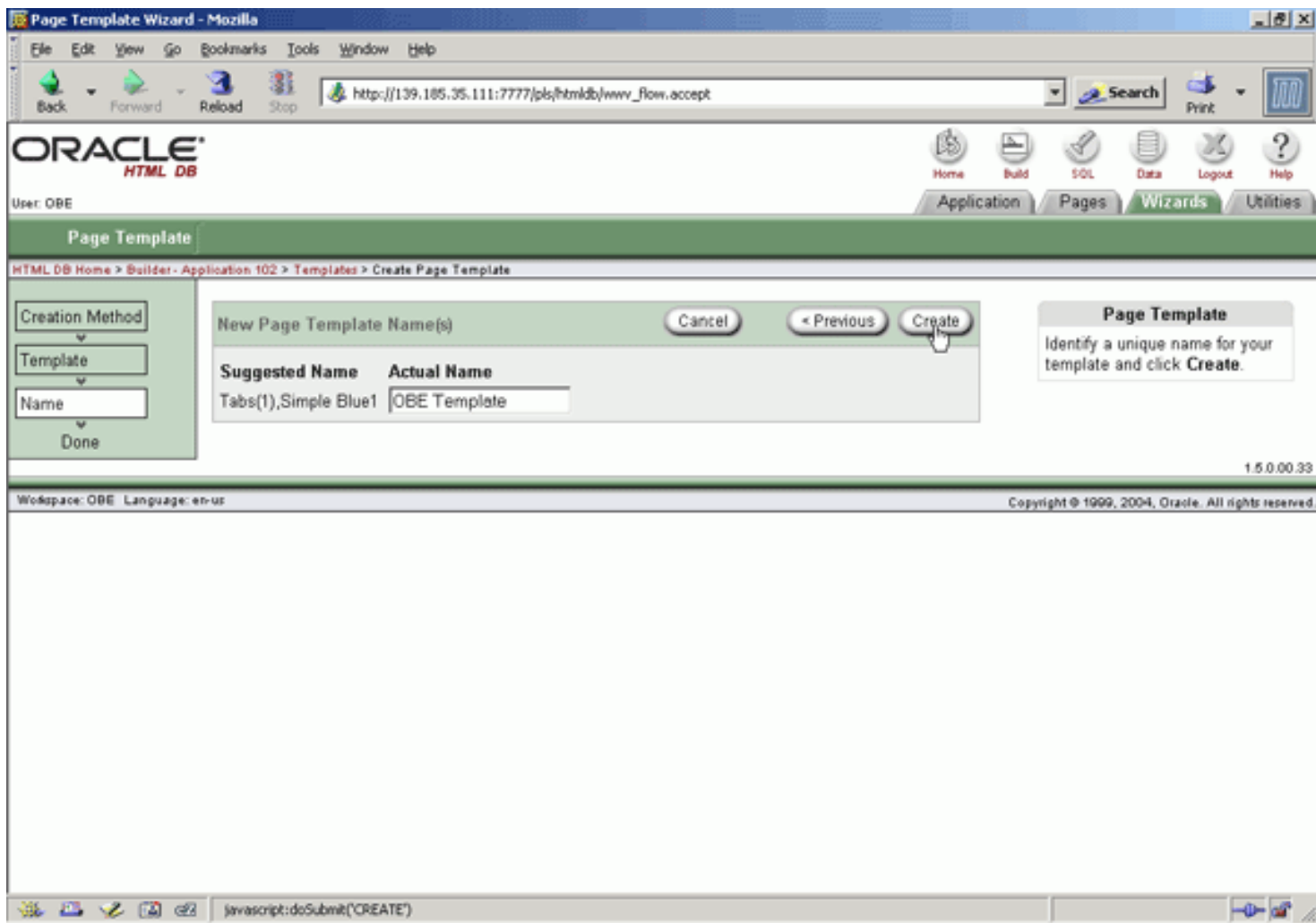
6. Select the **Tabs(1) Simple Blue** checkbox and scroll up to the top of the page.



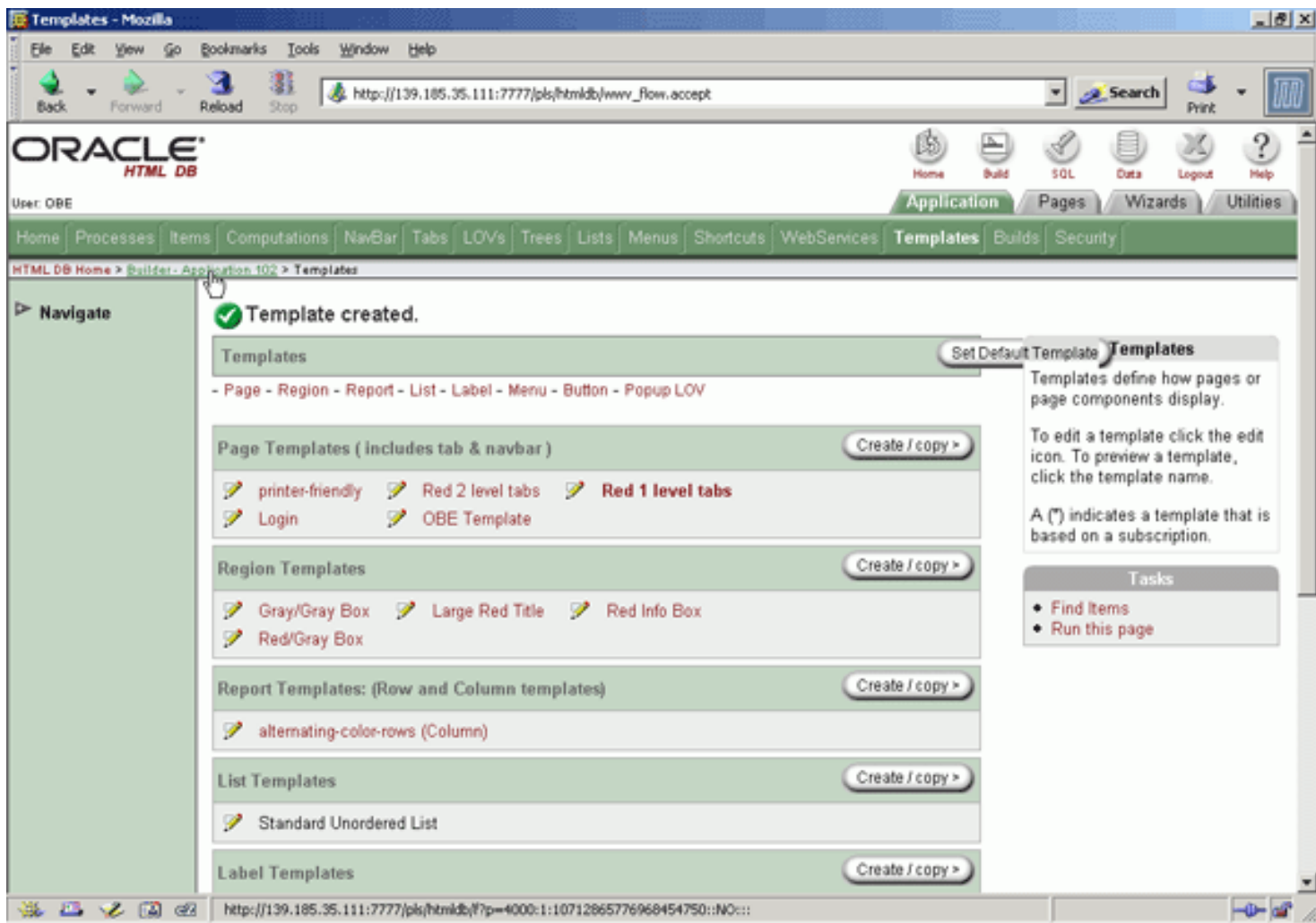
7. Click **Next** .



8. Enter **OBE Template** for the Actual Name and click **Create** .

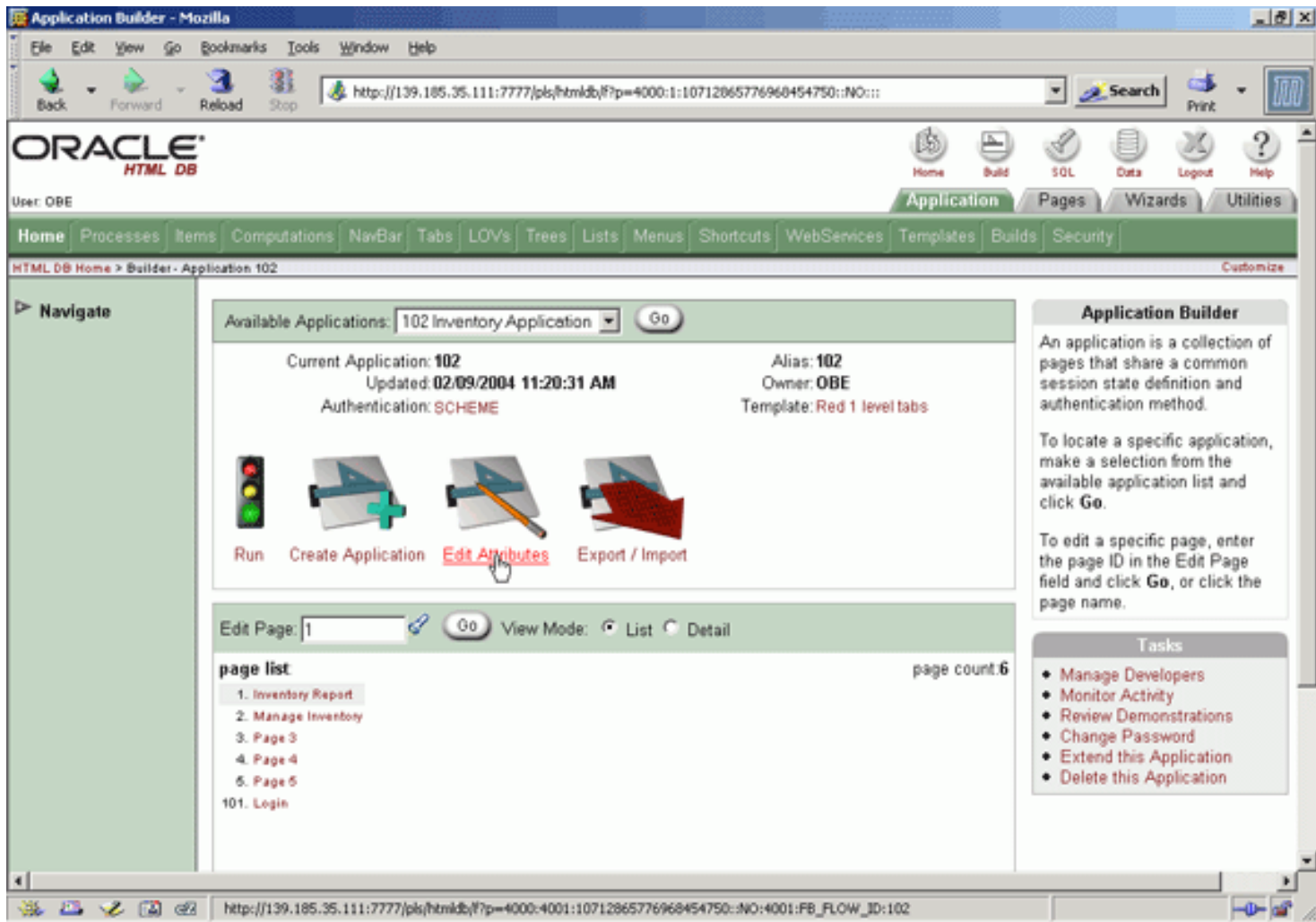


9. You can now apply the page template to your application. Click the breadcrumb **Builder - Application** <number> .



Click **Edit Attributes** .

10.



Select the **Templates** link to go to that section.

11.

Oracle HTML DB

User: OBE

Application 102

Cancel Delete Apply Changes

- Authorization - Session Management - **Templates** - Globalization - Availability - VPD - Substitutions

Application Definition

Application: 102

Name Inventory Application

Application Alias 102

Version 1.0

Image Prefix /

Proxy Server

Logging Yes

Default Parsing Schema OBE

Exact Substitutions Yes - Perform only exact substitutions

Authorization

Authorization Scheme - No application authorization required -

Session Management

Home Link f?p=&APP_ID.:1.&SESSION.

Login URL f?p=&APP_ID.:LOGIN:&SESSION.

Application Attributes

Oracle HTML DB creates a unique application ID when you create a new application. The application ID displays at the top of the page. Beneath the application ID are links to various sections of the page.

Required values are marked with a red asterisk (*). Template definitions are the page defaults.

Tasks

Find Items

Select **OBE Template** as the Default Page Template and click **Top** to move back up to the top of this form.

12.

The screenshot shows a web browser window titled "Edit Application - Mozilla". The address bar displays the URL: `http://139.185.35.111:7777/pls/htmldb/f?p=4000:4001:10712865776968454750::NO:4001:FB_FLOW_ID:102`. The page content is organized into four main sections:

- User Interface Templates**: Contains dropdown menus for "Default Page Template" (set to "OBE Template"), "Print Mode Page Template" (set to "printer-friendly"), and "Error Page Template" (set to "printer-friendly"). It also has a text input for "Body Width" set to "98%". A link "Click here to edit templates." is present.
- Template Defaults**: Contains dropdown menus for "Default Region Template" (set to "Large Red Title"), "Default Label Template" (set to "FormField_Nonrequired"), "Default Report Template" (set to "default Look 2"), "Default List Template" (set to "Standard Unordered List"), "Default Menu Template" (set to "breadcrumbs"), and "Default Button Template" (set to "- Select Template -").
- Globalization**: Contains dropdown menus for "Application Primary Language" (set to "English (United States) (en-us)") and "Application Language Derived From" (set to "Use Application Primary Language"). Below these, it states "No translations found."
- Application Availability**: Contains dropdown menus for "Status" (set to "Available with Edit Links") and "Build Status" (set to "Run and Build Application"). Below these, there is a text area labeled "Message for unavailable application" containing the text: "This application is currently unavailable at this time."

The browser's status bar at the bottom shows the same URL followed by `#PAGETOP`.

Click **Apply Changes** .

13.

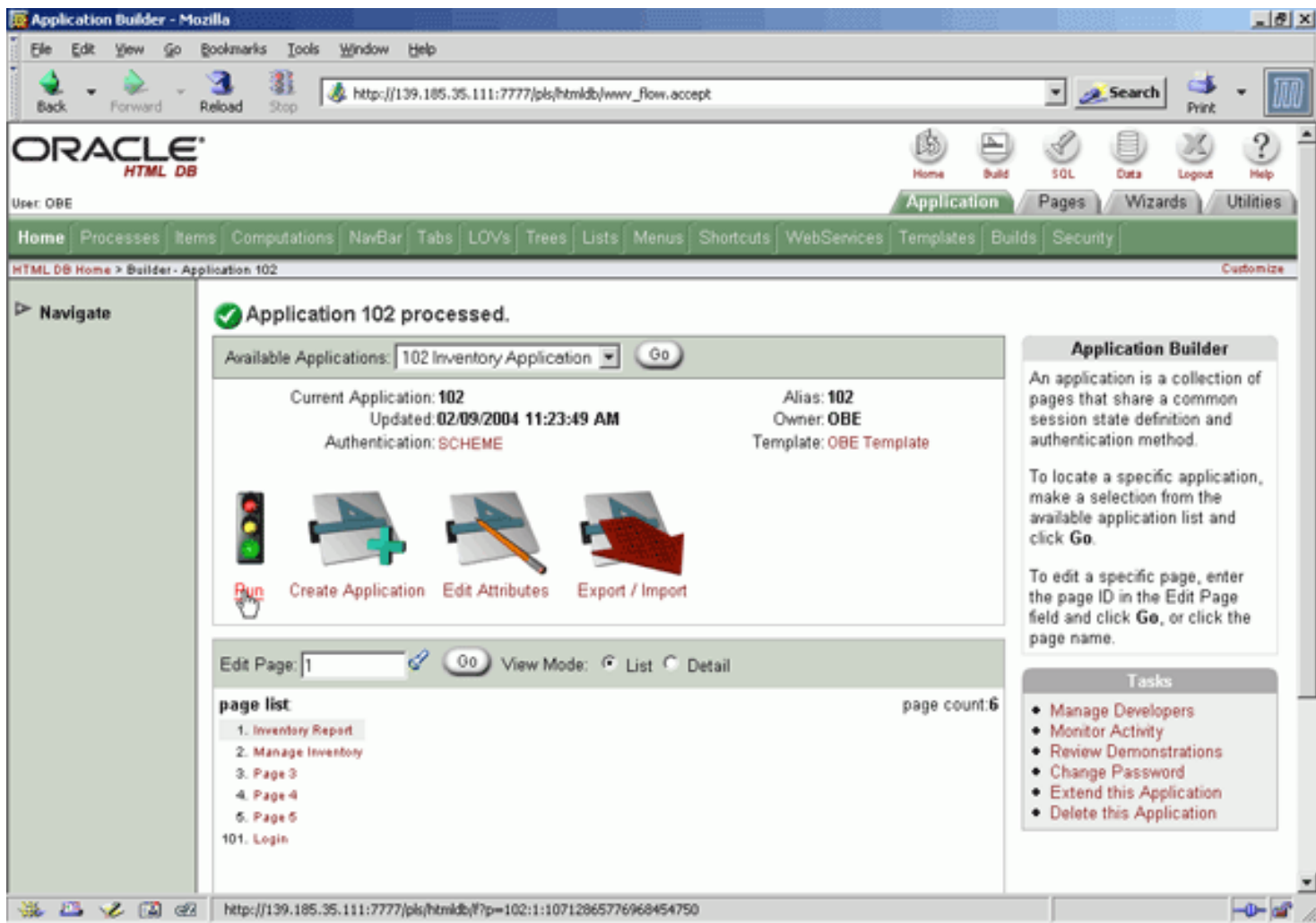
The screenshot shows the Oracle HTML DB Application Builder interface in a Mozilla browser window. The browser's address bar displays the URL: `http://139.185.35.111:7777/pls/htmldb/f?p=4000:4001:10712865776968454750::NO:4001:FB_FLOW_ID:102`. The Oracle HTML DB logo is visible in the top left, and the user is identified as 'User: OBE'. The top navigation bar includes links for Home, Build, SQL, Data, Logout, and Help. Below this, a secondary navigation bar lists various application components: Home, Processes, Items, Computations, NavBar, Tabs, LOVs, Trees, Lists, Menus, Shortcuts, WebServices, Templates, Builds, and Security. The main content area is titled 'HTML DB Home > Builder - Application 102 > Edit Application Attributes'. It features a header for 'Application 102' with 'Cancel', 'Delete', and 'Apply Changes' buttons. A breadcrumb trail reads: '- Authorization - Session Management - Templates - Globalization - Availability - VPD - Substitutions'. The 'Application Definition' section contains the following fields:

- Application: 102
- Name: Inventory Application
- Application Alias: 102
- Version: 1.0
- Image Prefix: /i/
- Proxy Server: (empty)
- Logging: Yes (dropdown)
- Default Parsing Schema: OBE
- Exact Substitutions: Yes - Perform only exact substitutions (dropdown)

The 'Authorization' section shows 'Authorization Scheme' set to '- No application authorization required -'. The 'Session Management' section includes 'Home Link' and 'Login URL', both with default values: `f?p=&APP_ID:1:&SESSION.` and `f?p=&APP_ID:LOGIN:&SESSION.` respectively. On the right side, the 'Application Attributes' panel explains that Oracle HTML DB creates a unique application ID and provides links to various sections. Below this, a 'Tasks' panel lists 'Find Items'. The bottom status bar shows the JavaScript command: `javascript:doSubmit('Apply Changes')`.

Click **Run** to see the next template applied.

14.



You will see the next template. Click the **Manage Inventory** tab. You will see the template has been applied to all pages.

15.

Inventory Report - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=102:1:10712865776968454750

Search Print

ORACLE

Print Logout

OBE **Inventory Report** **Manage Inventory** Page 3 Page 4 Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
26	FL4Q321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
38	ABC12345	Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
5	HGMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
20	H0980IUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
36	JKEW77U	Toshiba	Pentium I	1700	01-MAR-03	Tecra 740 CDT	L	2266
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
37	OKMND676	Digital	Pentium I	1200	01-JAN-98	Hinote Ultra II	L	2188
3	OKBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
29	LKM7D9U	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
13	3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
35	BUJJD5LKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
6	W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
18	QT6547PLPS	Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
23	QT21603PLP5	Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773

row(s) 1 - 15 of 38 Next

Edit Application Edit Page 1 New Session Debug Show Edit Links

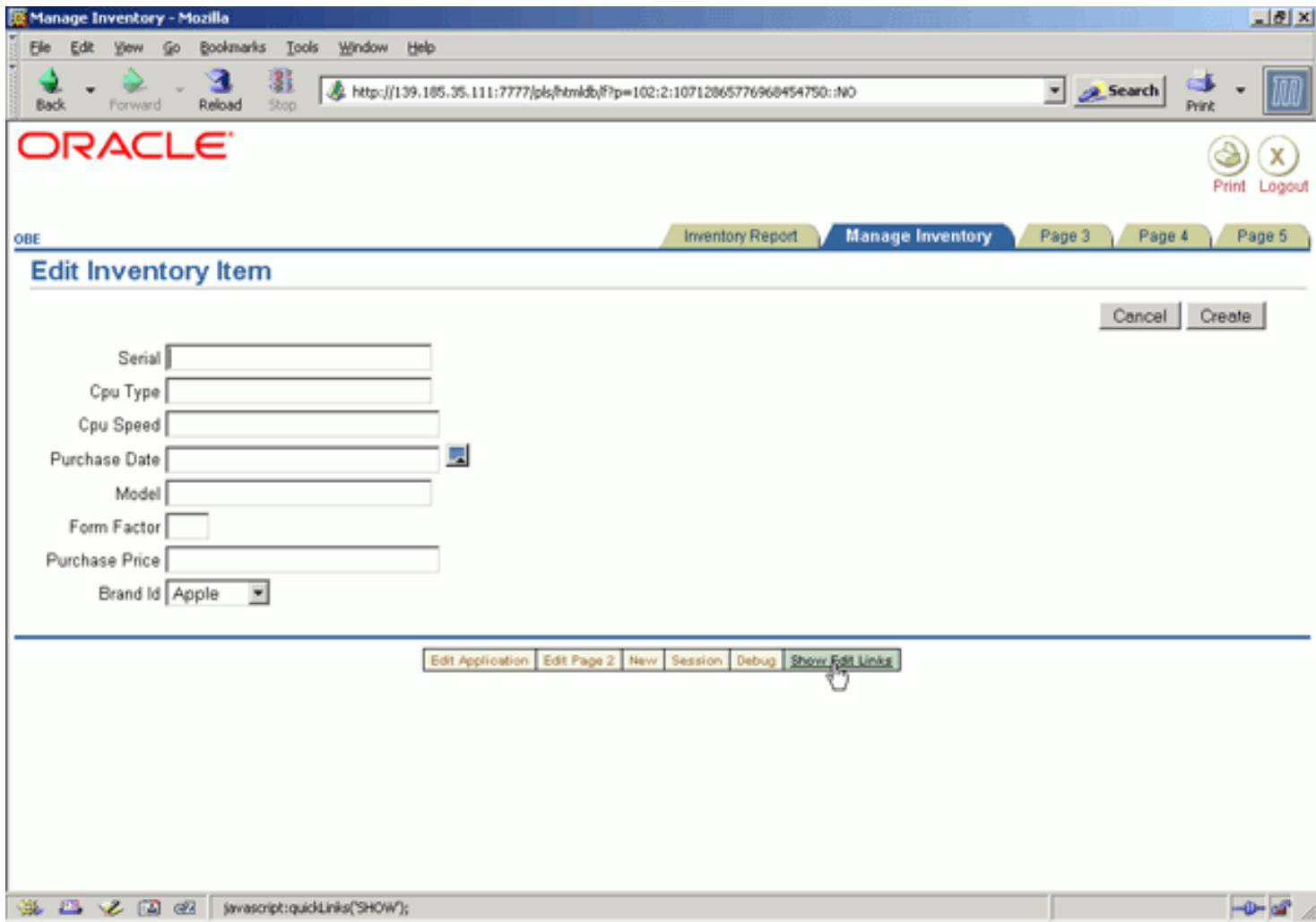
javascript:doSubmit('T_MANAGE_INVENTORY');

Editing Application Objects

[Back to List](#)

Since you may want to make changes to how your objects function and display, you might find being able to edit your objects in runtime mode to be helpful. Perform the following:

1. To be able to edit fields in runtime mode, click **Show Edit Links** .



2. Click the edit icon next to **Serial** .

Manage Inventory - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address <http://139.185.35.111:7777/pls/htmldb/f?p=102:2:13582606482359220177::NO> Go Links

ORACLE

Print Logout

OBE Inventory Report:: Manage Inventory:: Page 3:: Page 4:: Page 5::

Edit Inventory Item::

Cancel Create

Serial

Cpu Type

Cpu Speed

Purchase Date

Model

Form Factor

Purchase Price

Brand Id Apple

Edit Application Edit Page 2 New Session Debug Hide Edit Links

javascript:popupURL(f?p=4000:371:13582606482359220177:::P371_ID,FB_FLOW_ID,FB_FLOW_PAGE_ID:583215120998194,102,2); Internet

3. Change the Label to **Serial Number**, click on the **Refresh** checkbox and click **Apply Changes** .

Edit Page Item - Microsoft Internet Explorer

Refresh Cancel Delete Apply Changes

Displayed - Label - Element - Source - Default - LOV - Authorization - Conditions - Read Only - Help - Configuration

Page Item

Application: 102 Inventory Application
Page: 2 Manage Inventory

Name P2_SERIAL

Display As Text Field

[Text] [Text Area] [Select List] [Radio] [Popup LOV] [Checkbox] [Date] [Hidden]

Displayed

Sequence 2

Region Edit Inventory Item 1.10

Begin On New Line Yes ...Field Yes ColSpan 1 RowSpan 1

Label

Label Serial Number

Horizontal / Vertical Alignment Right

Template FormField_Nonrequired

HTML Table Cell Attributes

Post Element Text

Element

Width 31 maxWidth 255 Height 1

- Click **Cancel** to close the window.

Edit Page Item - Microsoft Internet Explorer

✓ Refresh Cancel Delete Apply Changes

Displayed - Label - Element - Source - Default - LOV - Authorization - Conditions - Read Only - Help - Configuration

✓ Page "2" item "P2_SERIAL" processed.

Page Item

Application: 102 Inventory Application
Page: 2 Manage Inventory

▪ Name P2_SERIAL

▪ Display As Text Field

[Text] [Text Area] [Select List] [Radio] [Popup LOV] [Checkbox] [Date] [Hidden]

Displayed

▪ Sequence 2

▪ Region Edit Inventory Item 1.10

Begin On New Line Yes ...Field Yes ColSpan 1 RowSpan 1

Label

Label Serial Number

Horizontal / Vertical Alignment Right

Template FormField_Nonrequired

HTML Table Cell Attributes

Post Element Text

Element

5. Click the edit icon next to **Cpu Type** .

Manage Inventory - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address http://139.185.35.111:7777/pls/htmldb/f?p=102:2:13582606482359220177

ORACLE

Print :: Logout ::

OBE Inventory Report:: Manage Inventory:: Page 3:: Page 4:: Page 5::

Edit Inventory Item::

Cancel :: Create ::

Serial Number

Cpu Type

Cpu Speed

Purchase Date

Model

Form Factor

Purchase Price

Brand Id

Edit Application Edit Page 2 New Session Debug Hide Edit Links

javascript:popupURL(f?p=4000:371:13582606482359220177:::P371_ID,FB_FLOW_ID,FB_FLOW_PAGE_ID:583421142998201,102,2);

Internet

6. In the Page Item section, click the **Popup LOV** link.

Edit Page Item ☒ Refresh

- Displayed - Label - Element - Source - Default - LOV - Authorization - Conditions - Read Only - Help - Configuration

Page Item

Application: **102 Inventory Application**
Page: **2 Manage Inventory**

Name:

Display As:

[Text] [Text Area] [Select List] [Radio] **[Popup LOV]** [Checkbox] [Date] [Hidden]

Displayed

Sequence:
Region:

Begin On New Line: ... Field: ColSpan: RowSpan:

Label

Label:

Horizontal / Vertical Alignment:

Template:

HTML Table Cell Attributes:

Post Element Text:

Element

Width: maxWidth: Height:

7. The Display as field will change to a Popup LOV. Click on the **LOV** link at the top of the window.

Edit Page Item - Microsoft Internet Explorer

☒ Refresh

[Displayed](#) - [Label](#) - [Element](#) - [Source](#) - [Default](#) - [LOV](#) - [Authorization](#) - [Conditions](#) - [Read Only](#) - [Help](#) - [Configuration](#)

Page Item

Application: **102 Inventory Application**
 Page: **2 Manage Inventory**

☒ Name: P2_CPU_TYPE
☒ Display As: Popup LOV (fetches first rowset)

Displayed

☒ Sequence: 3
☒ Region: Edit Inventory Item 1.10

Begin On New Line: ... Field: ColSpan: 1 RowSpan: 1

Label

Label: Cpu Type

Horizontal / Vertical Alignment:

Template:

HTML Table Cell Attributes:

Post Element Text:

Element

Width: 31 maxWidth: 255 Height: 1

8. In the LOV Query field, enter the following, then click **Top**.

```
select distinct cpu_type d, cpu_type r from inventory
```

Edit Page Item - Microsoft Internet Explorer

Lists of Values

Named LOV:

Display Extra Values:

Translated:

Columns:

Display Null:

Null Text:

Null Value:

LOV Query

```
select distinct cpu_type d, cpu_type r from inventory
```

Syntax Examples:

- select ename display_value, empno return_value from ...
- STATIC: Yes;1,No;0


Authorization

Authorization Scheme

Conditional Item Display

Condition Type

Expression 1

 Expression 2

9. Make sure **Refresh** is checked and click **Apply Changes** . Then click **Cancel** .

Edit Page Item - Microsoft Internet Explorer

Refresh Cancel Delete Apply Changes

Displayed - Label - Element - Source - Default - LOV - Authorization - Conditions - Read Only - Help - Configuration

Page Item

Application: 102 Inventory Application
Page: 2 Manage Inventory

Name: P2_CPU_TYPE

Display As: Popup LOV (fetches first rowset)

[Text] [Text Area] [Select List] [Radio] [Popup LOV] [Checkbox] [Date] [Hidden]

Displayed

Sequence: 3

Region: Edit Inventory Item 1.10

Begin On New Line: Yes ... Field: Yes ColSpan: 1 RowSpan: 1

Label

Label: Cpu Type

Horizontal / Vertical Alignment: Right

Template: FormField_Nonrequired

HTML Table Cell Attributes:

Post Element Text:

Element

Width: 31 maxWidth: 255 Height: 1

Click on the LOV icon next to Cpu Type.

10.

Manage Inventory - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address http://139.185.35.111:7777/pls/htmldb/f?p=102:2:13582606482359220177

ORACLE

Print Logout

OBE Inventory Report: Manage Inventory: Page 3: Page 4: Page 5:

Edit Inventory Item:

Cancel Create

Serial Number

Cpu Type

Cpu Speed

Purchase Date

Model

Form Factor

Purchase Price

Brand Id

Edit Application Edit Page 2 New Session Debug Hide Edit Links

javascript:genList0_p_t03_3() Internet

Select one of the values.

11.



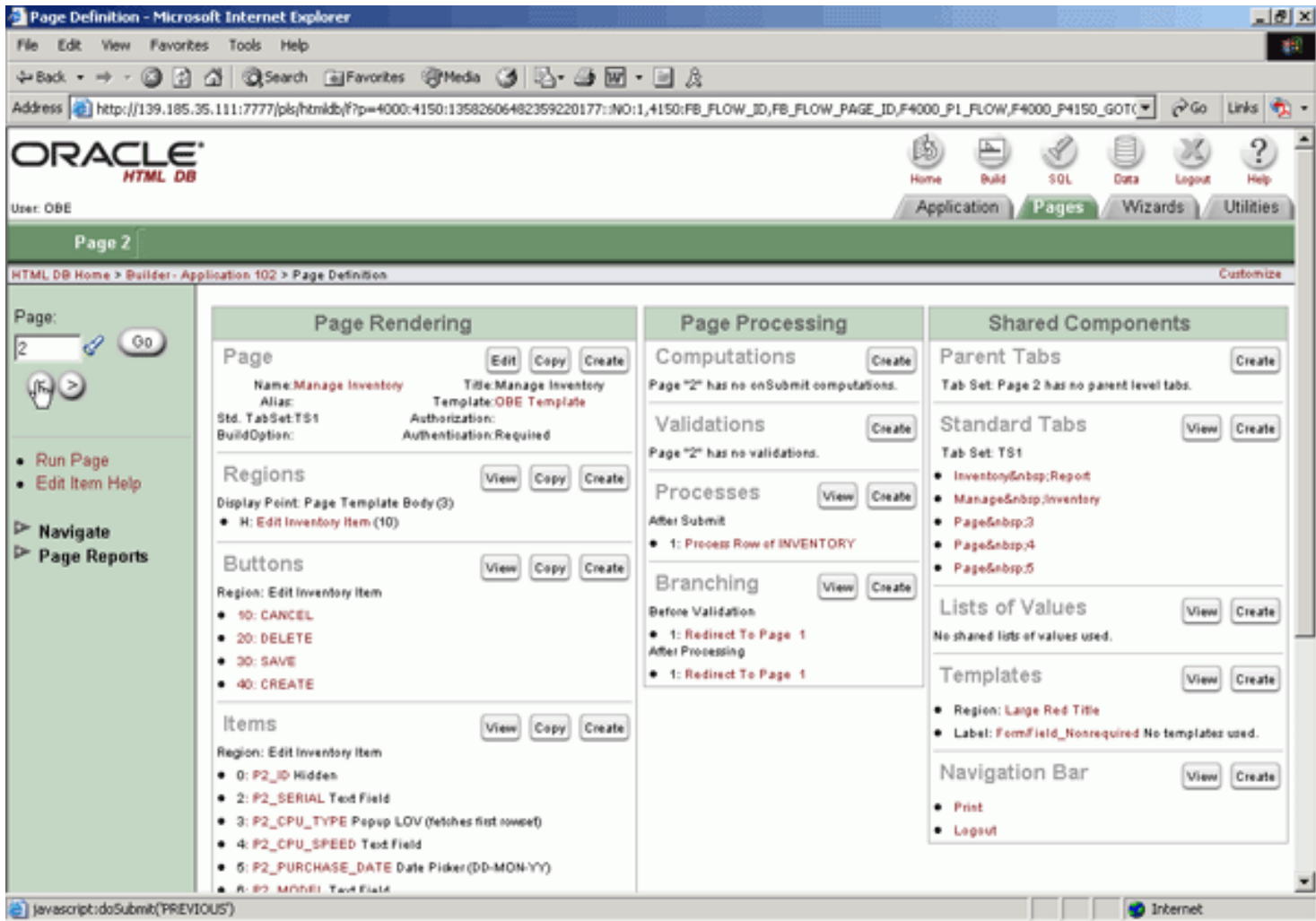
12. You will see the value is inserted into the field. Now you want to link this form to the report you created earlier, click **Edit page 2**.

Linking your Report to your Form

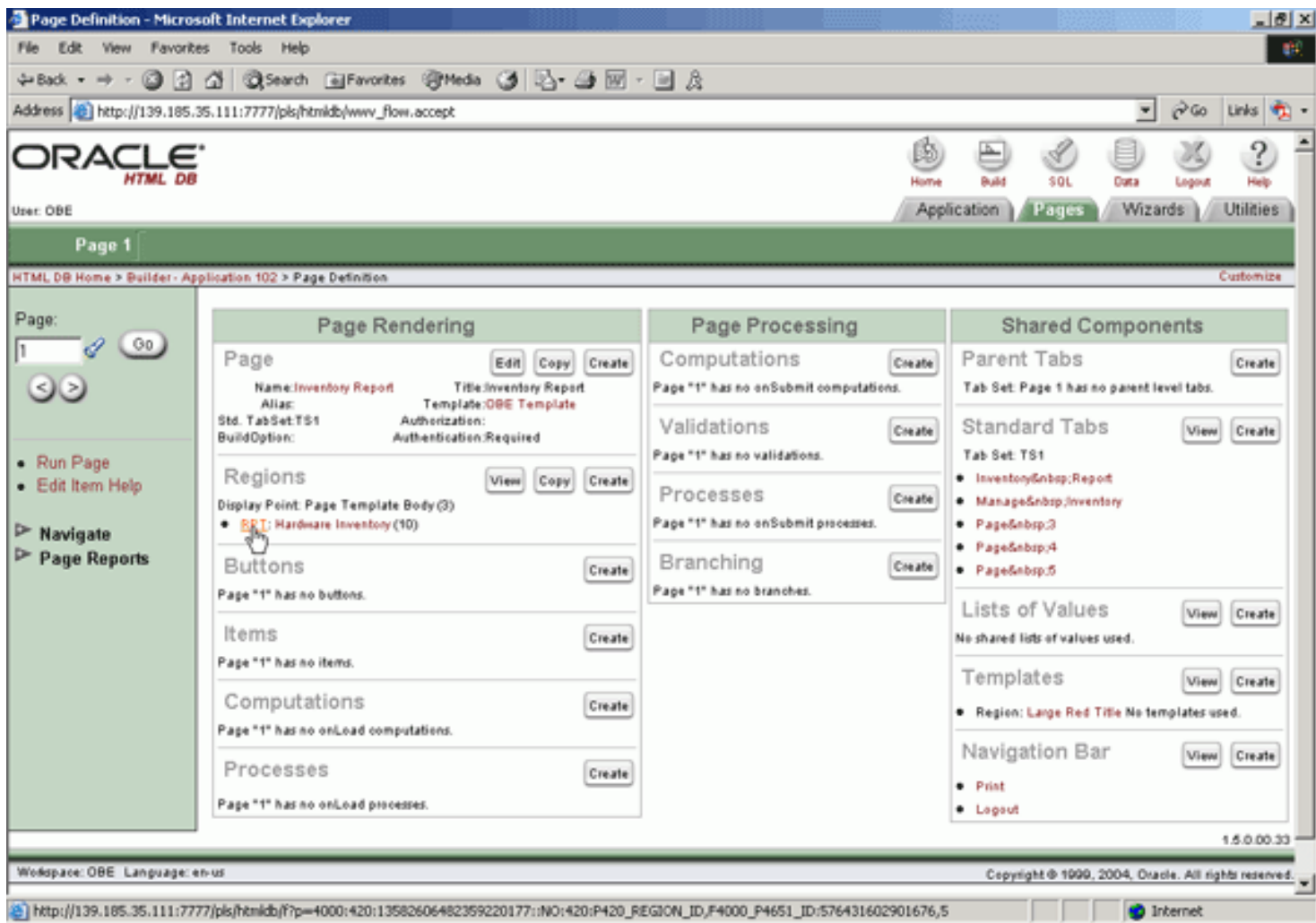
[Back to List](#)

When the report is viewed, the user may want to change a value. To do this, you can setup the ID column as an edit column that will branch to the Manage Inventory page, and pass the values so that the user can edit them. Perform the following:

1. You need to start on page 1. Click the < button to navigate to page 1.



2. Click on **RPT** to edit the properties for the Hardware Inventory region.



- Click on the **Edit** icon next to ID.

structured Query - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:420:13582606482359220177::NO:420:P420_REGION_ID,F4000_P4651_ID:576431602901676,576431602901676

ORACLE[®]
HTML DB

User: OBE

Application Pages Wizards Utilities

Page 1 Regions

HTML DB Home > Builder > Application 102 > Page Definition > Report Attributes

Region Definition Report Attributes Query Definition

Report Attributes Cancel Apply Changes

- Column Attributes - Layout and Pagination - Sorting - Messages - CSV Output - Break Formatting

Report Column Attributes

Headings Type: ☐ Column Names ☐ Column Names (InitCap) ☒ Custom ☐ PL/SQL ☐ None

Alias	Edit	Heading	Column Align.	Heading Align.	Show	Sum	Sort	Sequence
ID	▼ ▲	Id	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1
SERIAL	▼ ▲	Serial	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
BRAND	▼ ▲	Brand	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_TYPE	▼ ▲	Cpu Type	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_SPEED	▼ ▲	Cpu Speed	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
PURCHASE_DATE	▼ ▲	Purchase Date	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
MODEL	▼ ▲	Model	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
FORM_FACTOR	▼ ▲	Form Factor	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

Report Attributes

Report and column attributes allow defining attributes such as reports headers, report templates, pagination, sorting and formatting. Additional column attributes can be defined when clicking on the column edit icons shown in front of each column definition.

A selection of pre-defined report templates as well as user defined report templates can be applied to this report. A variety of different pagination styles is also available. If pagination on a report should be done using buttons, select externally define pagination.

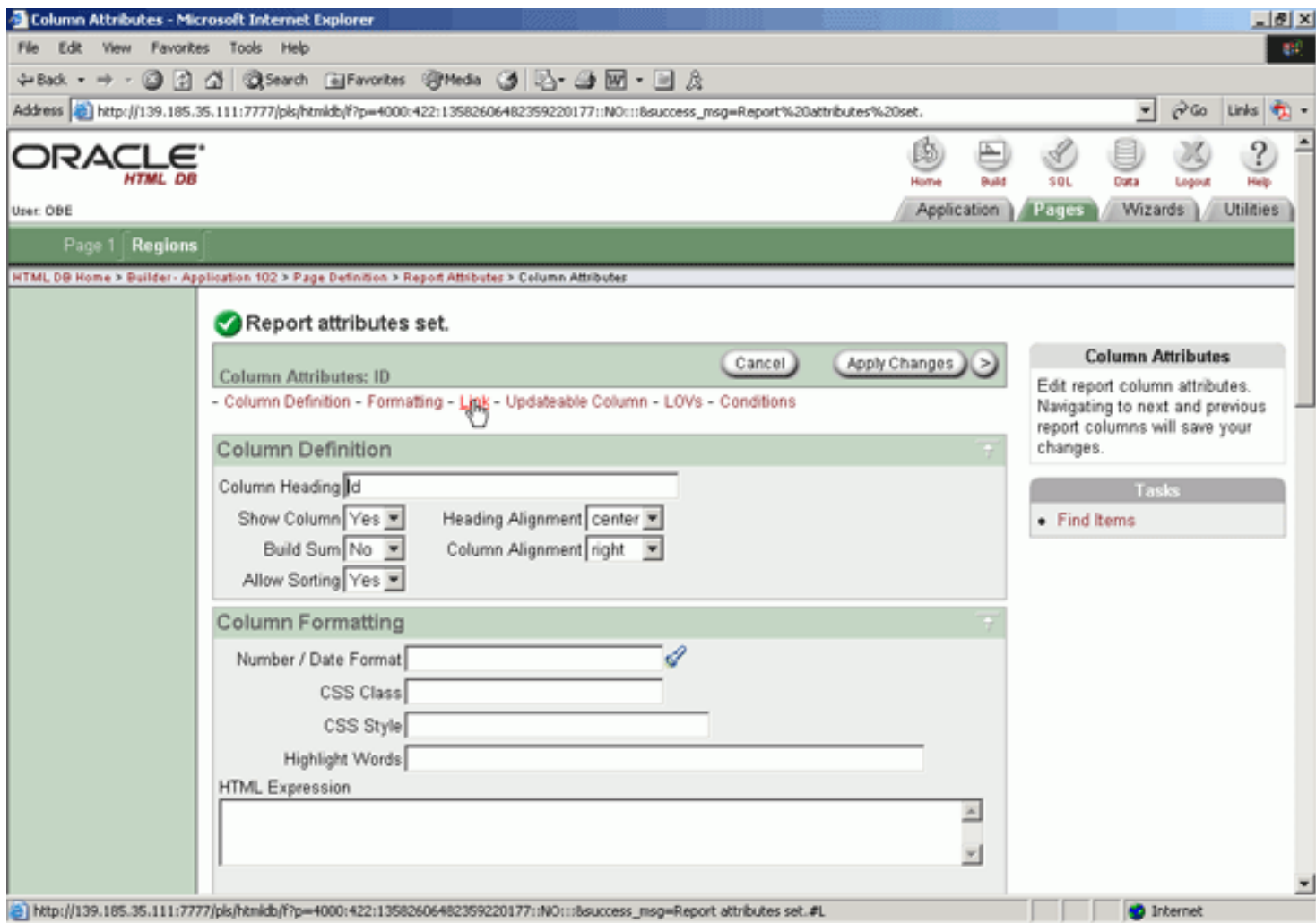
Tasks

- Find Items
- Show Query Source
- Run this page

javascript:setColumnIDandSubmit(576903502901647);

Internet

4. Click **Link**.



5. Click the **search light** icon next to **Page** .

Column Attributes - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Mail News RSS Feeds

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:422:13582606482359220177::NO:::8success_msg=Report%20attributes%20set.#L Go Links

Column Link

Application Page ☐ Reset Pagination

Request Clear Cache

Name	Value
Item 1	<input type="text"/>
Item 2	<input type="text"/>

Link Text

URL

Updateable Column Attributes

Display As

Width

Height

Element Attribute

Element Option

List of Values

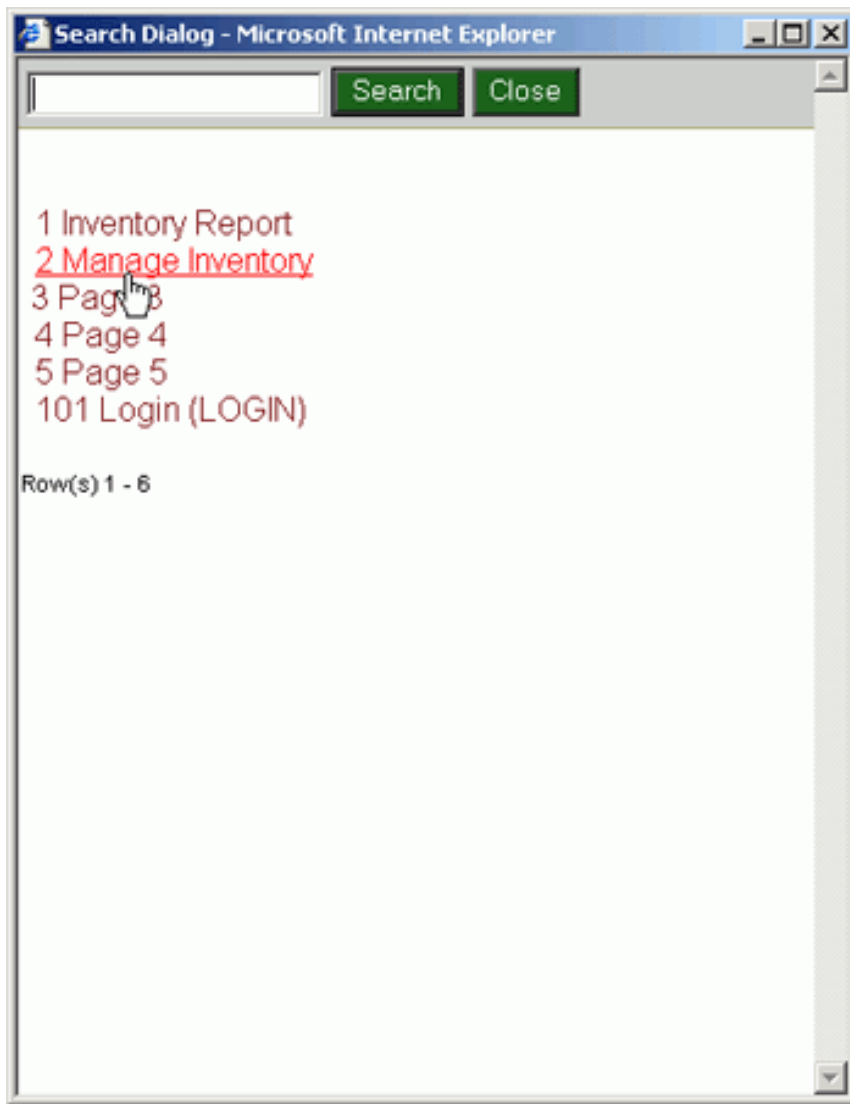
Named LOV

Display Null Null Text Null Value

LOV Query (select DISPLAY_VALUE, RETURN_VALUE from ...)

javascript:genList0_p_t19_33() Internet

6. Click **2 Manage Inventory**.



7. Click the **search light** for **Item 1 Name** .

Column Attributes - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News RSS Feeds

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:422:13582606482359220177::NO:::8success_msg=Report%20attributes%20set.#L Go Links

Column Link

Application Page ☐ Reset Pagination

Request Clear Cache

	Name	Value
Item 1	<input type="text"/>	<input type="text"/>
Item 2	<input type="text"/>	<input type="text"/>

Link Text

URL

Updateable Column Attributes

Display As

Width

Height

Element Attribute

Element Option

List of Values

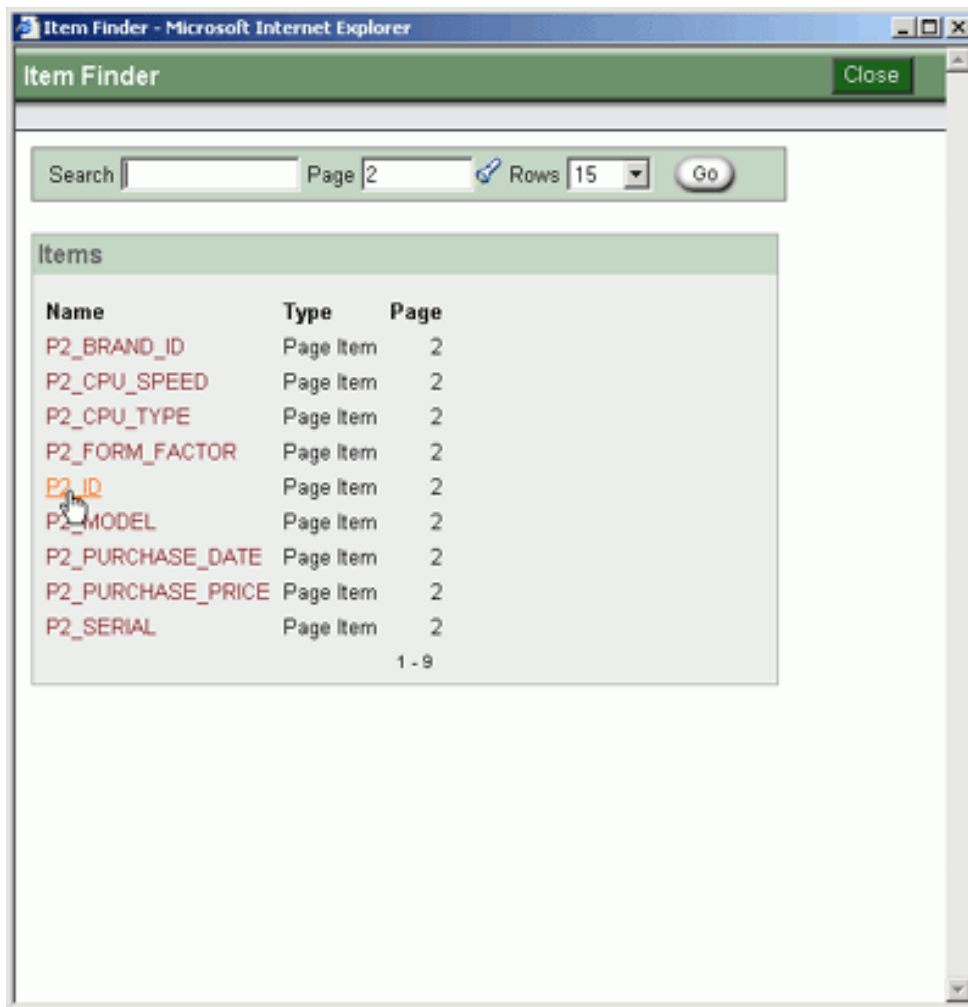
Named LOV

Display Null Null Text Null Value

LOV Query (select DISPLAY_VALUE, RETURN_VALUE from ...)

javascript:popUp('f?p=4000:246:13582606482359220177::NO:246:F4000_P246_CALLING_FIELD,F4000_P246_PAGE:P422_LB_ITEM1,'+document.w Internet

8. Click **P2_ID** .



9. Click the **search light** for **Item 1 Value** .

Column Attributes - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Mail

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:422:13582606482359220177::NO:::8success_msg=Report%20attributes%20set.#L Go Links

Column Link

Application Page ☐ Reset Pagination

Request Clear Cache

	Name	Value
Item 1	<input type="text" value="P2_ID"/>	<input type="text"/>
Item 2	<input type="text"/>	<input type="text"/>

Link Text

URL

Updateable Column Attributes

Display As

Width

Height

Element Attribute

Element Option

List of Values

Named LOV

Display Null Null Text Null Value

LOV Query (select DISPLAY_VALUE, RETURN_VALUE from ...)

javascript:popUp2(f?p=4000:416:13582606482359220177:::P416_CALLING_FIELD:P422_LB_ITEM1_VAL',320,400); Internet

Click #ID# .

10.



Click **Generate Link** .

11.

Column Attributes - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Mail

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:422:13582606482359220177::NO:::8success_msg=Report%20attributes%20set.#L Go Links

Column Link

Application Page ☐ Reset Pagination

Request Clear Cache

	Name	Value
Item 1	<input type="text" value="P2_ID"/>	<input type="text" value="#ID#"/>
Item 2	<input type="text"/>	<input type="text"/>

Link Text

URL

Updateable Column Attributes

Display As

Width

Height

Element Attribute

Element Option

List of Values

Named LOV

Display Null Null Text Null Value

LOV Query (select DISPLAY_VALUE, RETURN_VALUE from ...)

Click the **pencil edit** icon radio button. Then click **Top** .

12.

Column Attributes - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:422:13582606482359220177::NO:::8success_msg=Report%20attributes%20set.#L

Column Link

Application Page ☐ Reset Pagination

Request Clear Cache

Name	Value
Item 1 <input type="text" value="P2_ID"/>	<input type="text" value="#ID#"/>
Item 2 <input type="text"/>	<input type="text"/>

Link Text

URL

Updateable Column Attributes

Display As

Width

Height

Element Attribute

Element Option

List of Values

Named LOV

Display Null Null Text Null Value

LOV Query (select DISPLAY_VALUE, RETURN_VALUE from ...)

Click **Apply Changes** .

13.

Column Attributes - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:422:13582606482359220177::NO:::8success_msg=Report%20attributes%20set.#PAGETOP

ORACLE[®]
HTML DB

User: OBE

Application Pages Wizards Utilities

Page 1 Regions

HTML DB Home > Builder > Application 102 > Page Definition > Report Attributes > Column Attributes

✓ Report attributes set.

Column Attributes: ID Cancel Apply Changes >

- Column Definition - Formatting - Link - Updateable Column - LOVs - Conditions

Column Definition

Column Heading

Show Column Heading Alignment

Build Sum Column Alignment

Allow Sorting

Column Formatting

Number / Date Format

CSS Class

CSS Style

Highlight Words

HTML Expression

Column Attributes

Edit report column attributes. Navigating to next and previous report columns will save your changes.

Tasks

- Find Items

javascript:doSubmit("SAVE") Internet

Click **Page Definition** link.

14.

structured Query - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:420:13582606482359220177::NO::

ORACLE[®]
HTML DB

User: OBE

Application Pages Wizards Utilities

Page 1 Regions

HTML DB Home > Builder - Application 102 > Page Definition > Report Attributes

Region Definition Report Attributes Query Definition

Report Attributes Cancel Apply Changes

- Column Attributes - Layout and Pagination - Sorting - Messages - CSV Output - Break Formatting

Report Column Attributes

Headings Type: ☐ Column Names ☐ Column Names (InitCap) ☒ Custom ☐ PL/SQL ☐ None

Alias	Edit	Heading	Column Align.	Heading Align.	Show	Sum	Sort	Sequence
ID	▼ ▲	Id	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1
SERIAL	▼ ▲	Serial	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
BRAND	▼ ▲	Brand	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_TYPE	▼ ▲	Cpu Type	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_SPEED	▼ ▲	Cpu Speed	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
PURCHASE_DATE	▼ ▲	Purchase Date	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
MODEL	▼ ▲	Model	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
FORM_FACTOR	▼ ▲	Form Factor	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

Report Attributes

Report and column attributes allow defining attributes such as reports headers, report templates, pagination, sorting and formatting. Additional column attributes can be defined when clicking on the column edit icons shown in front of each column definition.

A selection of pre-defined report templates as well as user defined report templates can be applied to this report. A variety of different pagination styles is also available. If pagination on a report should be done using buttons, select externally define pagination.

Tasks

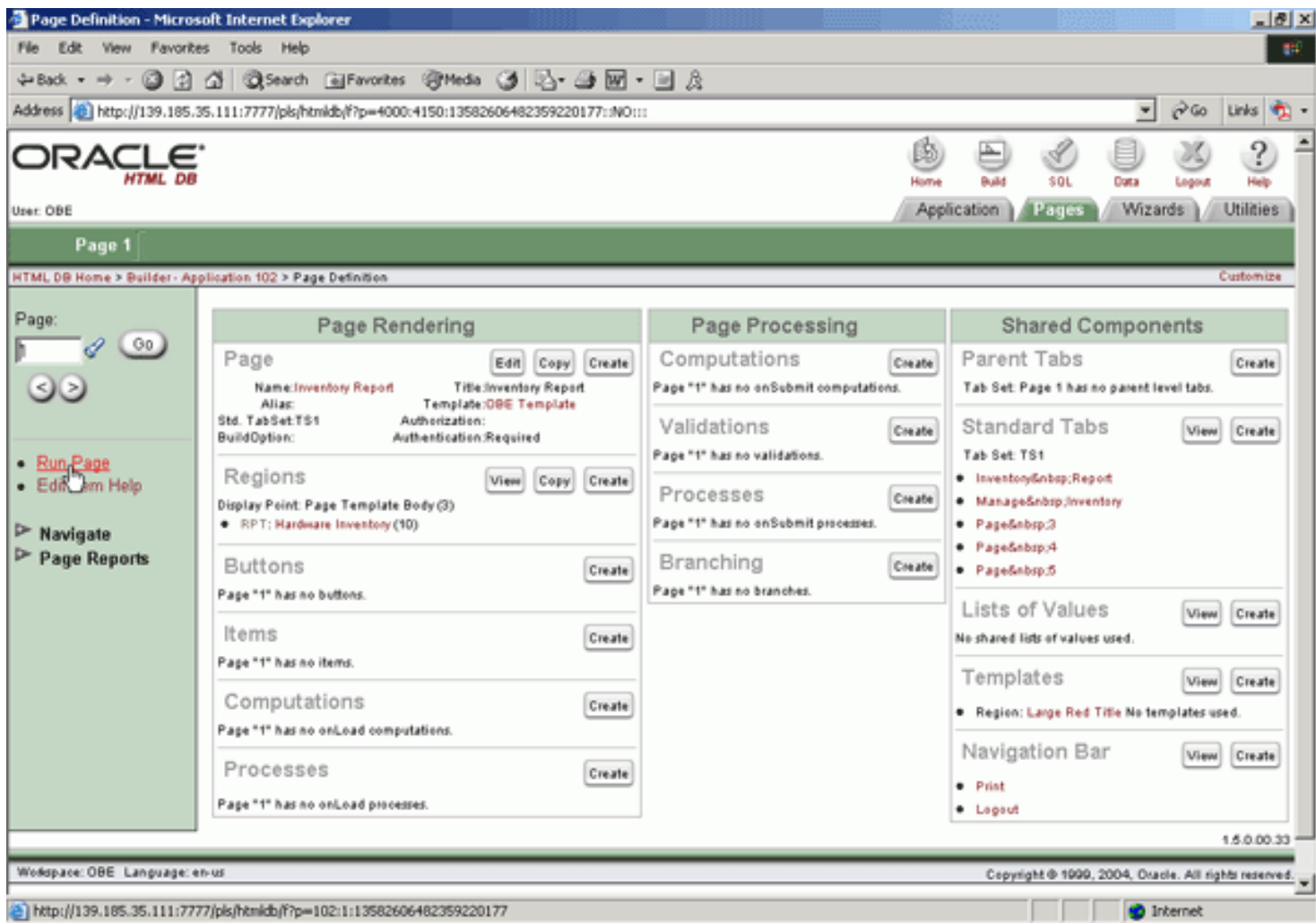
- Find Items
- Show Query Source
- Run this page

http://139.185.35.111:7777/pls/htmldb/f?p=4000:4150:13582606482359220177::NO::

Internet

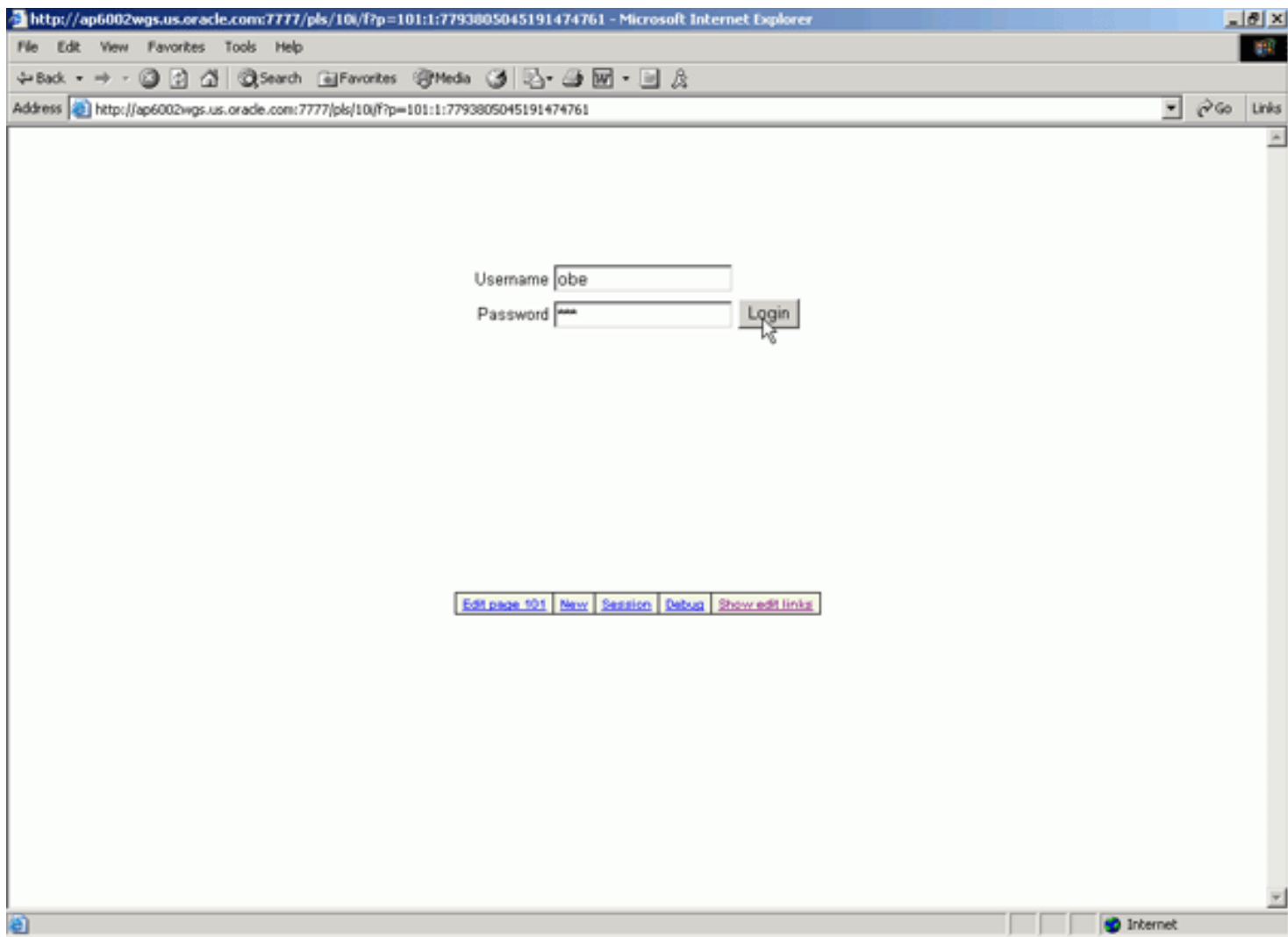
Click Run Page .

15.



If asked to login, login as **obe/obe** and click **Login** .

16.



Edit one of the items by clicking on the pencil edit icon.

17.

Inventory Report - Microsoft Internet Explorer

Address: http://139.185.35.111:7777/pls/htmldb/f?p=102:1:13582606482359220177::

ORACLE

Print :: Logout ::

OBE

Inventory Report: Manage Inventory: Page 3: Page 4: Page 5:

Hardware Inventory:

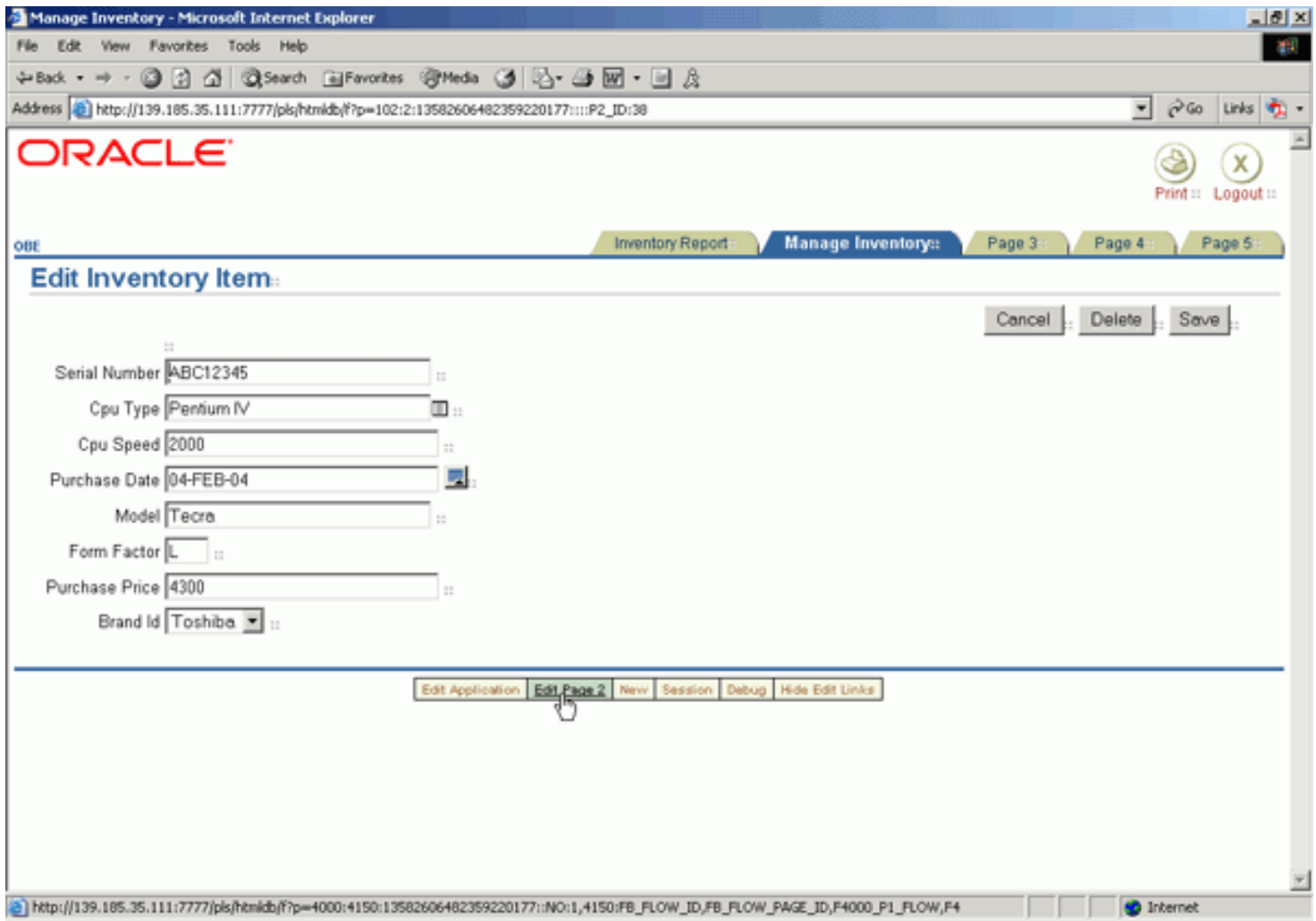
Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
FL4Q321		Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
ABC12345		Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
HQMHC12		Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
HD98OIUP296		Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
JKEW77U		Toshiba	Pentium I	1700	01-MAR-03	Tecra 740 CDT	L	2266
KLJH98798YUTU		Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
OKMND676		Digital	Pentium I	1200	01-JAN-98	Hinote Ultra II	L	2188
OKBU4		Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
LKM7D9J		Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
3J17JZL1345		Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
9875H879		Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
8UJDSLKN		Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
W112FGHZ456		Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
QT6547PLPS		Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
QT21603PLP5		Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773

row(s) 1 - 15 of 38 Next >

Edit Application Edit Page 1 New Session Debug Hide Edit Links

http://139.185.35.111:7777/pls/htmldb/f?p=102:2:13582606482359220177:::P2_ID:38

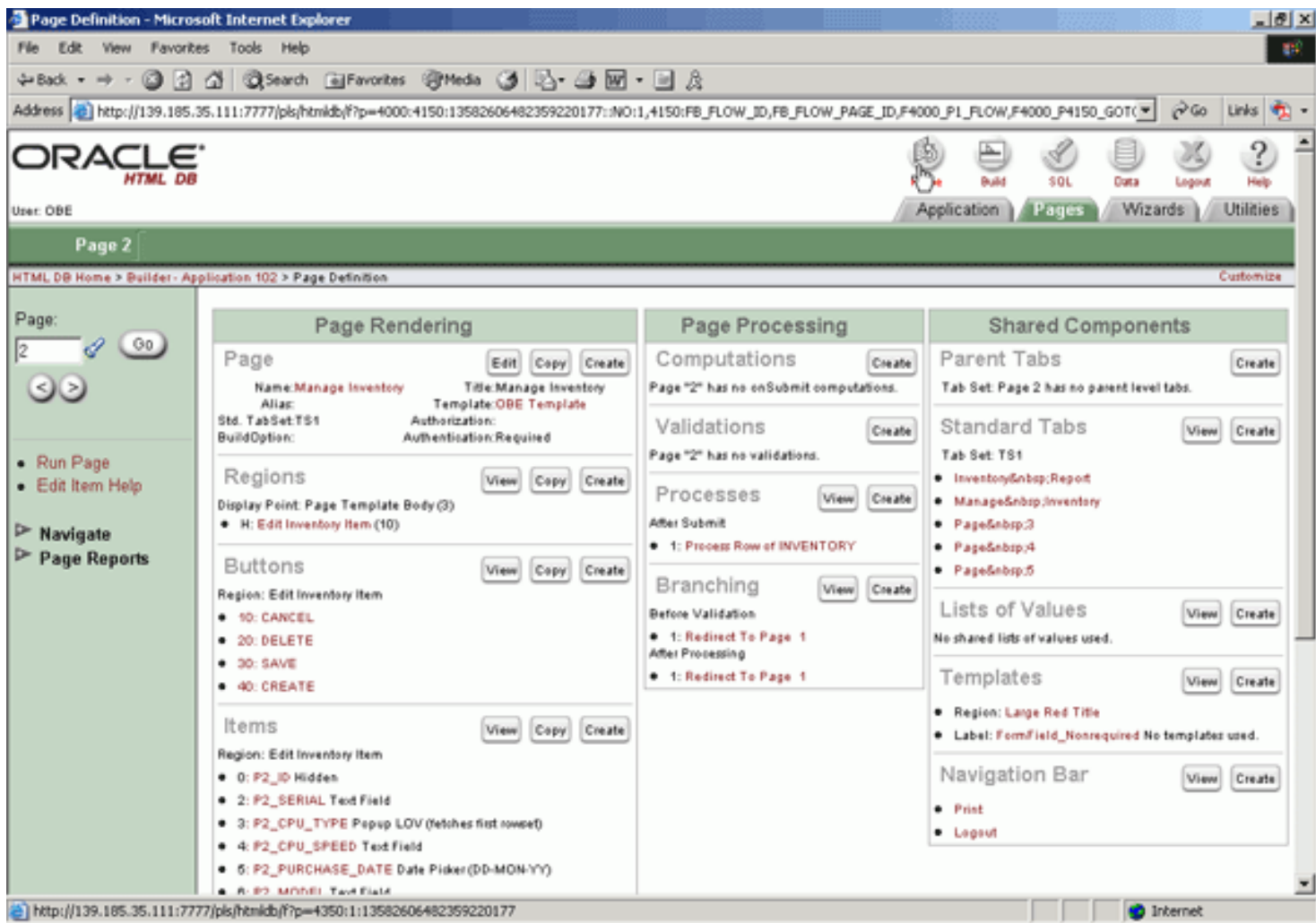
18. You notice that you are now on the Manage Inventory tab and the form is populated with the data for the item you selected. Click the **Edit page 2** link at the bottom of the window.

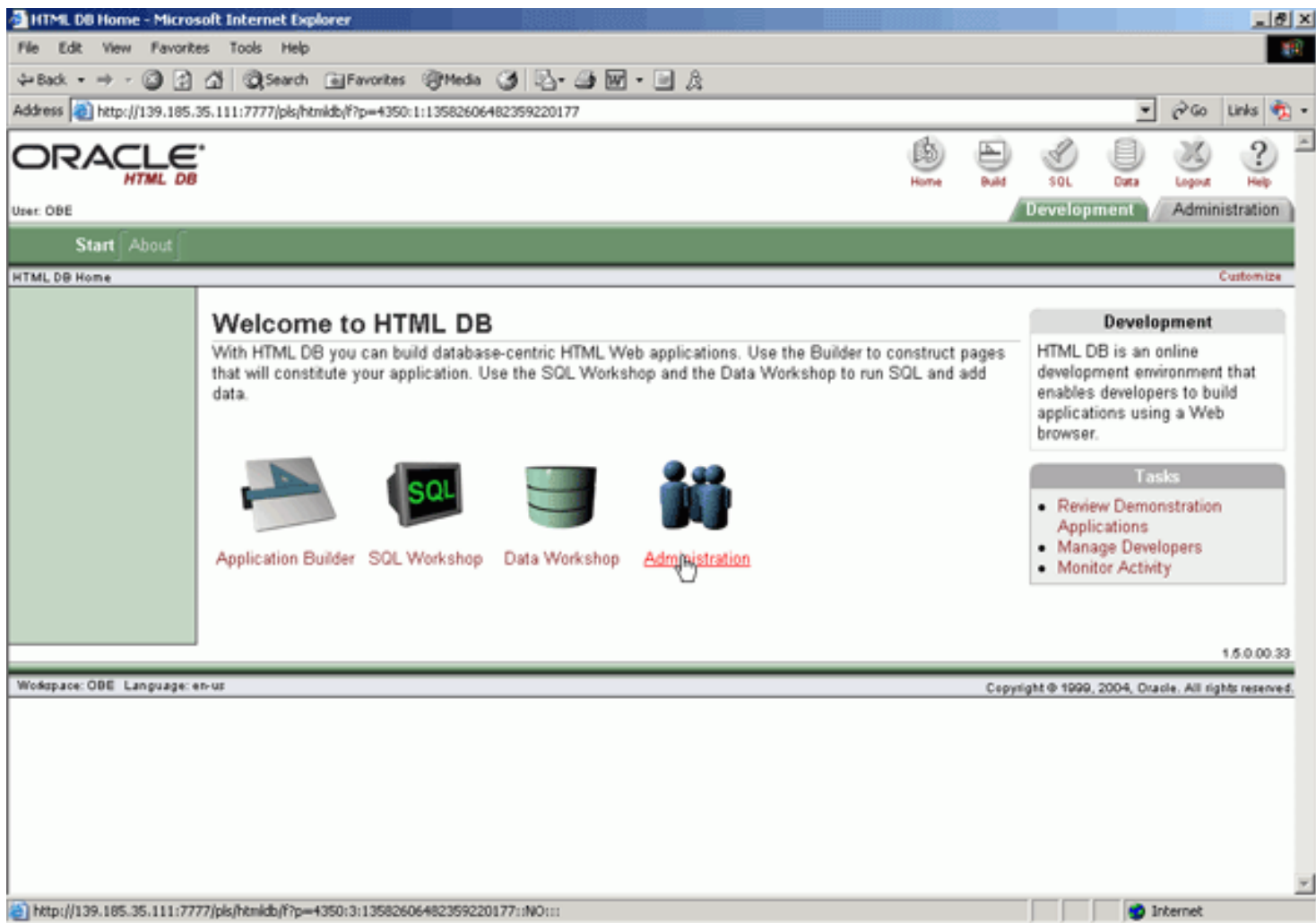


Creating Users

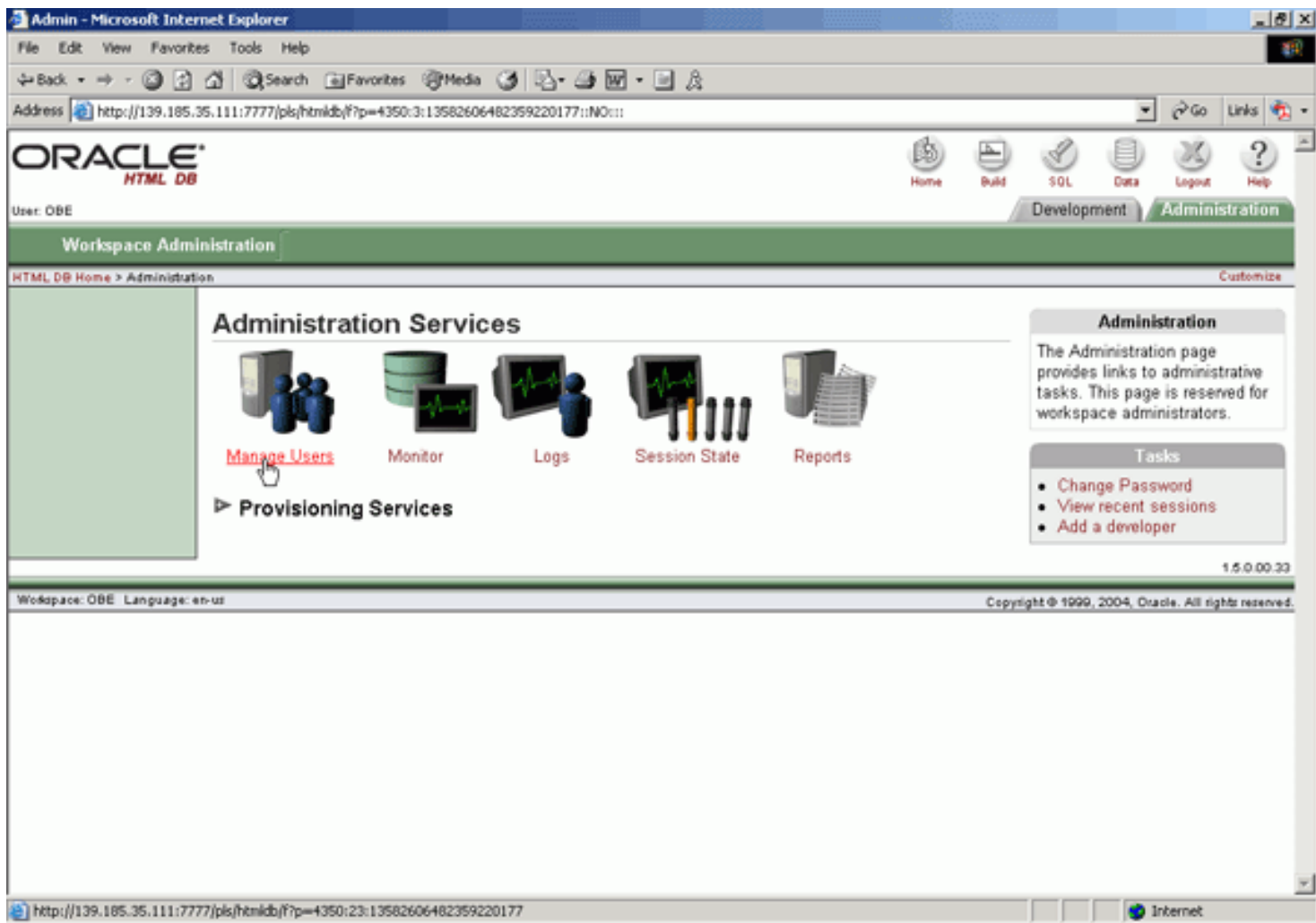
[Back to List](#)

In order to give access to certain areas in the application to certain people, you need to create some users. Perform the following:

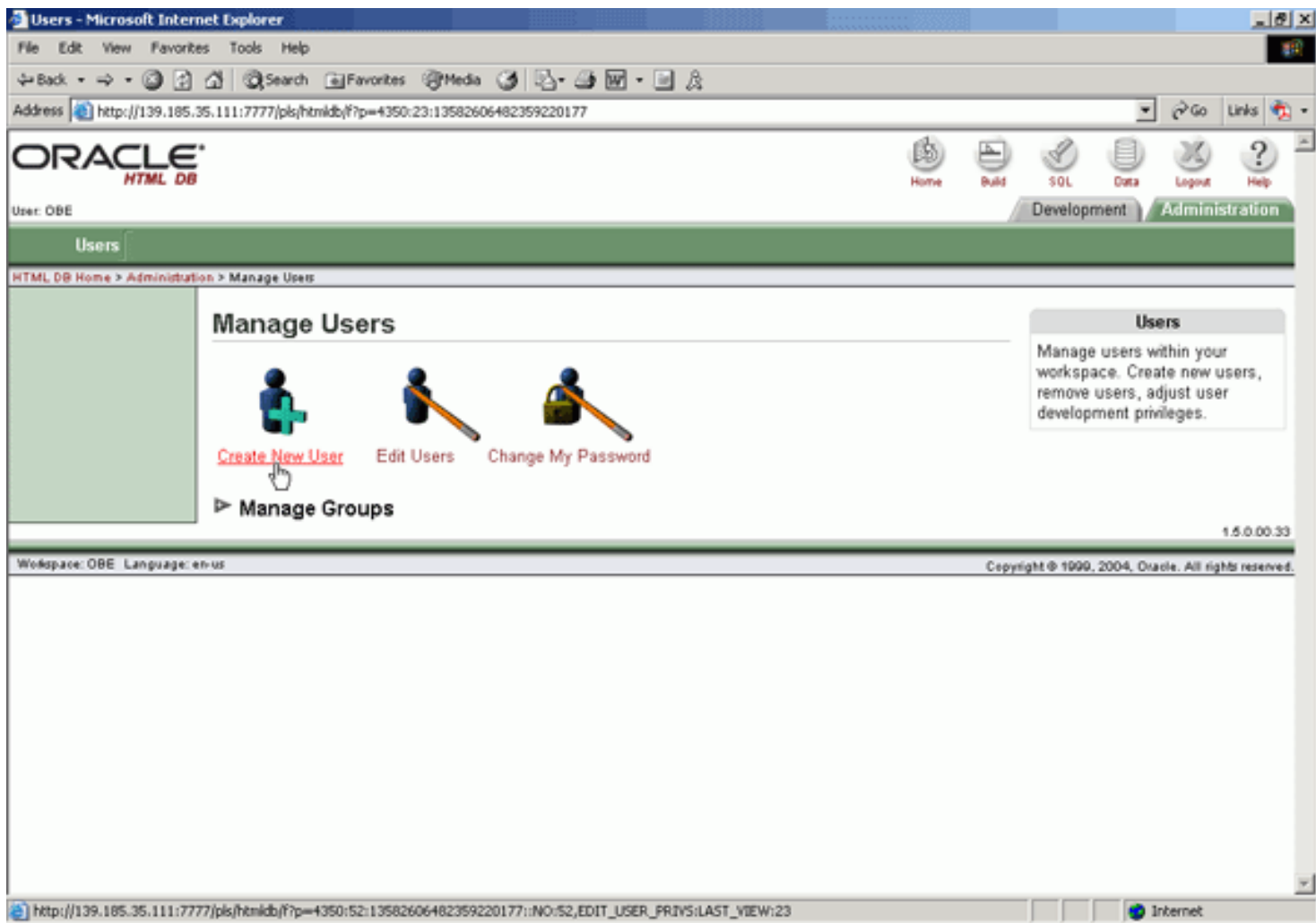
1. Click **Home** .2. Click **Administration** .



3. Click **Manage Users** .



4. Click **Create New User** .



5. Enter the following information and then click **Create and Create Another** .

User Name: **Brad.Knight**

Password: **welcome1**

Email address: **brad.knight@oracle.com**

First Name: **Brad**

Last Name: **Knight**

Default Schema: **OBE**

6. Enter the following information and then click **Create and Create Another** .

User Name: **Susie.Parker**

Password: **welcome1**

Email address: **susie.parker@oracle.com**

First Name: **Susie**

Last Name: **Parker**

Default Schema: **OBE**

Oracle HTML DB

User: OBE

Development Administration

Users

HTML DB Home > Administration > Manage Users > Create User

✓ User created.

Cancel Create User **Create and Create Another**

User Identification

User Name: Susie Parker

Password: [masked]

Email Address: susie.parker@oracle.com

First Name: Susie

Last Name: Parker

Description: [empty]

Accessible Schemas (null for all): [empty]

Default Schema: OBE

Developer Privileges

User is a developer: ☒ Yes ☐ No

User is an administrator: ☐ Yes ☒ No

User Groups (For authentication against HTML DB user account repository only)

Internal Account

Create a new user account for use by authentication schemes that authenticate against the username and password stored in these accounts. If you wish your user to have developer privileges, identify those privileges here. If you are using user groups you can also use this screen to associate the user shown with one or more groups.

javascript:doSubmit('CREATE_ANOTHER')

7. Enter the following information and then click **Create User** .

User Name: **John.Bell**

Password: **welcome1**

Email address: **john.bell@oracle.com**

First Name: **John**

Last Name: **Bell**

Default Schema: **OBE**

Oracle HTML DB

User: OBE

Development Administration

Users

HTML DB Home > Administration > Manage Users > Create User

✓ User created.

Cancel Create User Create and Create Another

User Identification

User Name: John.Bell
 Password:
 Email Address: john.bell@oracle.com
 First Name: John
 Last Name: Bell
 Description:
 Accessible Schemas (null for all):
 Default Schema: OBE

Developer Privileges

User is a developer: ☒ Yes ☐ No
 User is an administrator: ☐ Yes ☒ No

User Groups (For authentication against HTML DB user account repository only)

Internal Account

Create a new user account for use by authentication schemes that authenticate against the username and password stored in these accounts. If you wish your user to have developer privileges, identify those privileges here. If you are using user groups you can also use this screen to associate the user shown with one or more groups.

javascript:doSubmit("SUBMIT")

Internet

8. The 3 users have been created. You will now setup administrator access to the application. Click **Data**.

Find Users - Microsoft Internet Explorer

Address: http://139.185.35.111:7777/pls/htmldb/www_flow.accept

ORACLE[®] HTML DB

User: OBE

Development Administration

Users

HTML DB Home > Administration > Manage Users > Edit Users

Navigate

✓ User created.

Find: Rows: 15 Go Cancel Create >

Internal Accounts

User	Email	First Name	Last Name	Default Schema	Developer	Groups
ADMIN	marcie.young@oracle.com	(null)	(null)	OBE	Yes	0
BRAD.KNIGHT	brad.knight@oracle.com	Brad	Knight	OBE	Yes	0
JOHN.BELL	john.bell@oracle.com	John	Bell	OBE	Yes	0
OBE	marcie.young@oracle.com	(null)	(null)	obe	Yes	0
SUSIE.PARKER	susie.parker@oracle.com	Susie	Parker	OBE	Yes	0

1 - 5

15.0.00.33

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

http://139.185.35.111:7777/pls/htmldb/f?p=4300:9:13582606482359220177

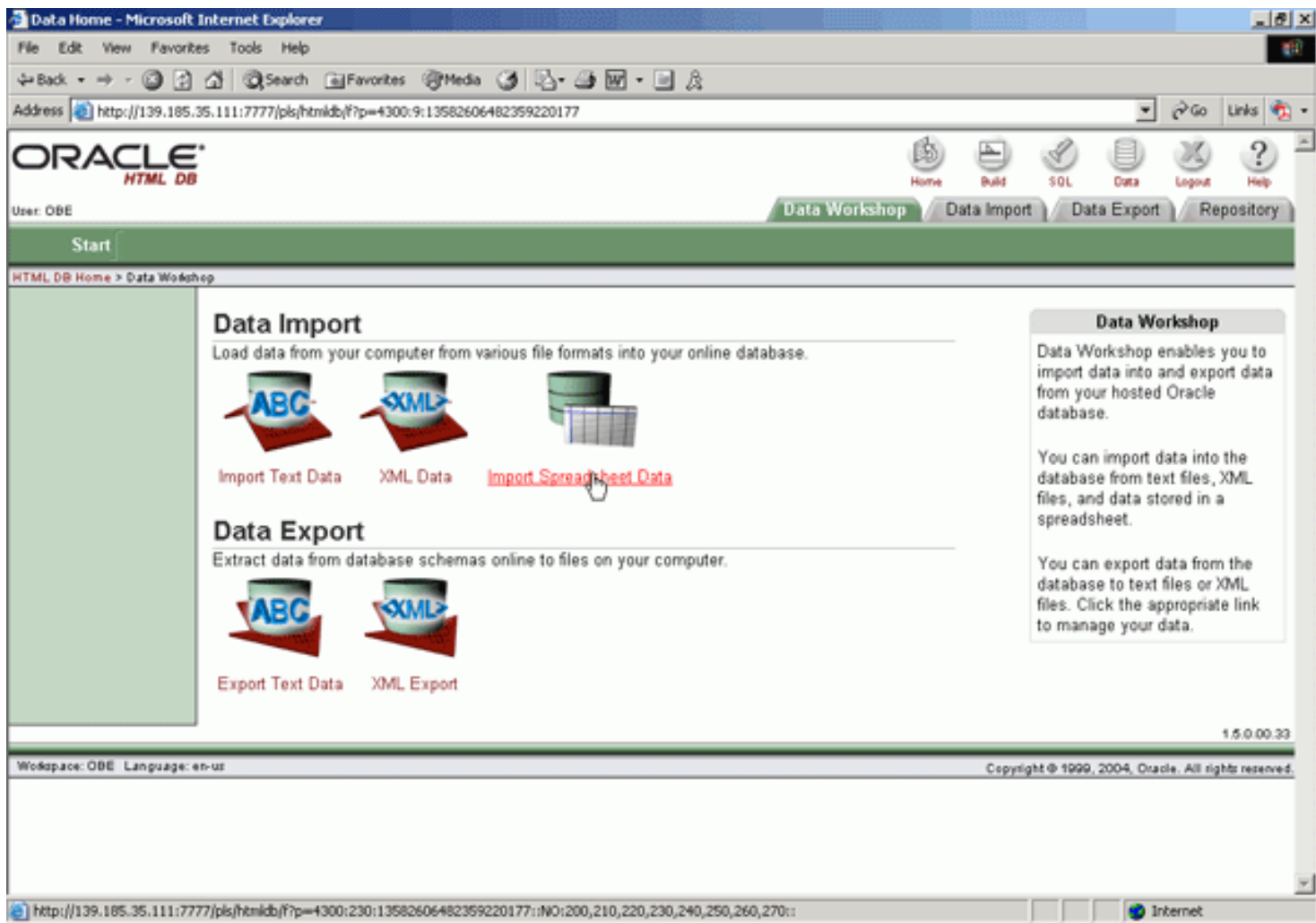
Internet

Authorizing Users

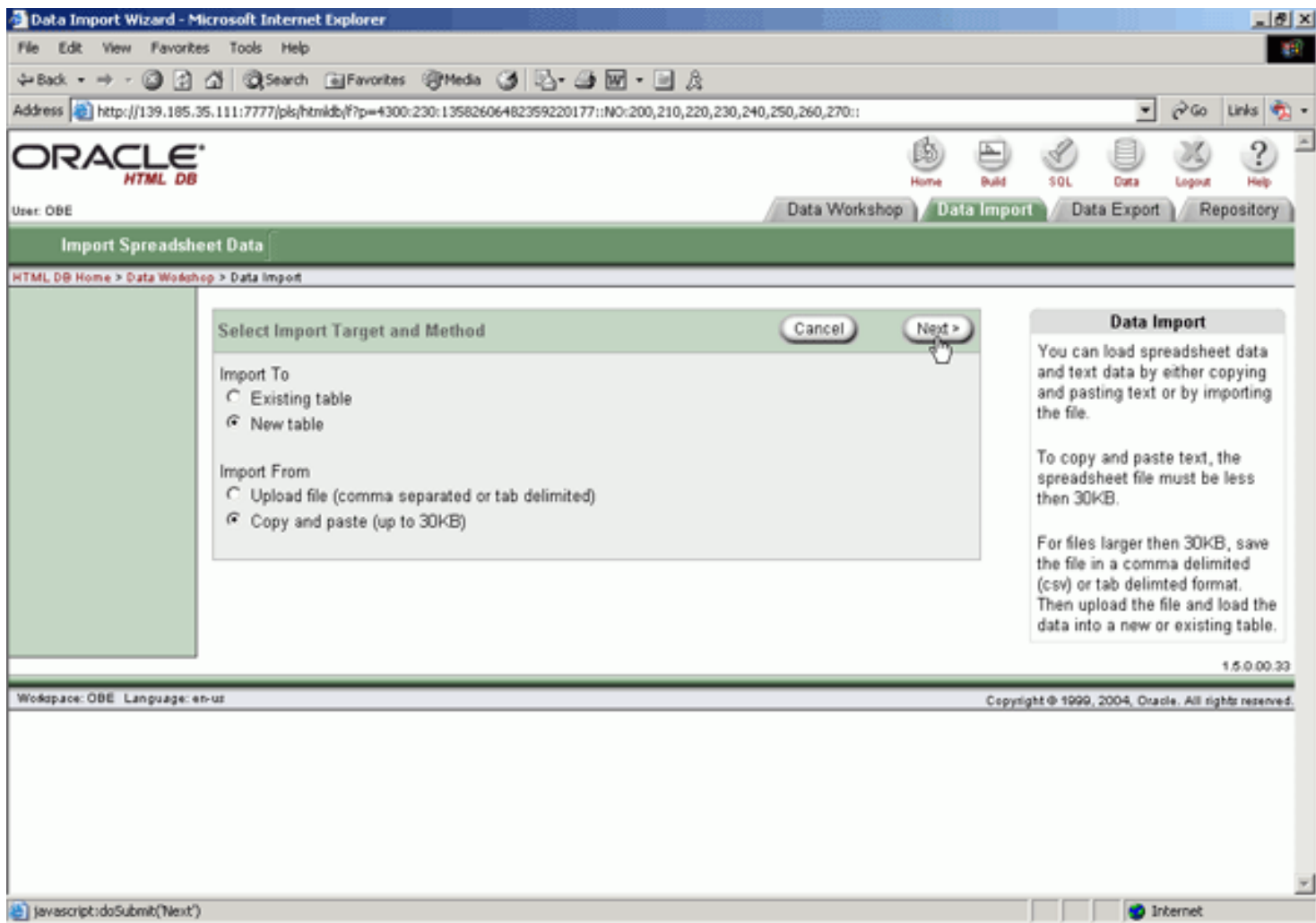
[Back to List](#)

Brad and Susie are administrators. They will be given the ability to update inventory data. John is not an administrator and will not be given this privilege. Perform the following:

1. Click **Import Spreadsheet Data**.



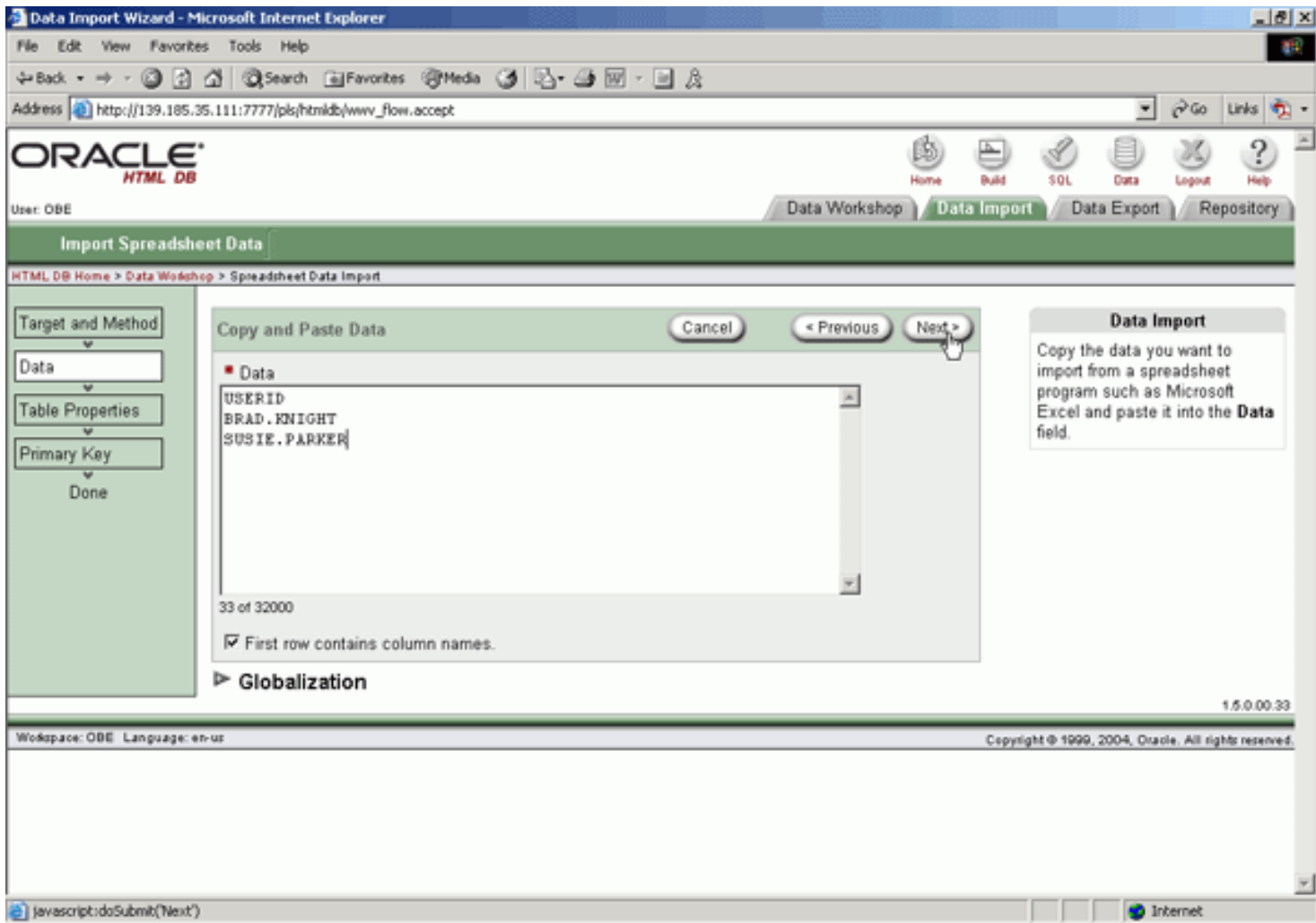
2. You will create a new table that will contain a list of users who are administrators. Click **Next** to accept the defaults.



3. Select the following text and click **ctrl-c**.

USERID
BRAD.KNIGHT
SUSIE.PARKER

4. Switch back to HTML DB and click in the Data area and click **ctrl-v** to paste the list of users. Then click **Next** .



5. Enter **admins** for the table name and click **Next** .

Data Import Wizard - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Copy Paste

Address http://139.185.35.111:7777/pls/htmldb/www_flow.accept Go Links

ORACLE[®]
HTML DB

User: OBE

Data Workshop **Data Import** Data Export Repository

Import Spreadsheet Data

HTML DB Home > Data Workshop > Spreadsheet Data Import

Target and Method
Data
Table Properties
Primary Key
Done

Table Information

Schema: OBE
Table Name: admins ☐ Preserve Case

Set Table Properties

Column Names: USERID
Data Type: VARCHAR2
Format:
Column Length: 30
Upload: Yes
Row 1: BRAD KNIGHT
Row 2: SUSIE PARKER

Cancel < Previous Next >

Data Import

This page previews how your table will look. You can modify the suggested table name, change the column names or data types, or specify which columns to include.

When you are finished, click **Next** to define the primary key.

1.5.0.00.33

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javascript:doSubmit('Next') Internet

- Click **Import Data** to create the table and load the data.

Data Import Wizard - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://139.185.35.111:7777/pls/htmldb/www_flow.accept

ORACLE[®] HTML DB

User: OBE

Data Workshop Data Import Data Export Repository

Import Spreadsheet Data

HTML DB Home > Data Workshop > Spreadsheet Data Import

Target and Method
Data
Table Properties
Primary Key
Done

Define Primary Key

Cancel < Previous Import Data

Schema: OBE
Table Name: ADMINS

Primary Key From: ☐ Use an existing column
☒ Create new column

New Primary Key Column: ID

Constraint Name: ADMINS_PK

Primary Key Population: ☒ Generated from a new sequence
☐ Generated from an existing sequence
☐ Not generated

Sequence: ADMINS_SEQ

Spreadsheet Data Import

Use this page to add one or more primary keys. Do not add more than one primary key unless absolutely necessary.

To import data and create a new table, click **Import Data**.

1.5.0.00.33

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javascript:doSubmit('Finish') Internet

7. Click **Build** to return to your application.

Spreadsheet Import Repository - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address http://139.185.35.111:7777/pls/htmldb/www_flow.accept Go Links

ORACLE[®] HTML DB

User: OBE

Data Workshop Data Import Data Export Repository

Text Data Import Spreadsheet Import

HTML DB Home > Data Workshop > Spreadsheet Data Import

Show My Load Files Go Delete Checked

Files

	Created	Created On	Type	Schema	Table	Succeeded	Failed
<input type="checkbox"/>	OBE	02/10/2004 07:17:03 AM	Spreadsheet Import	OBE	ADMINS	2	0
<input type="checkbox"/>	OBE	02/09/2004 09:08:25 AM	Spreadsheet Import	OBE	INVENTORY	37	0

1.2

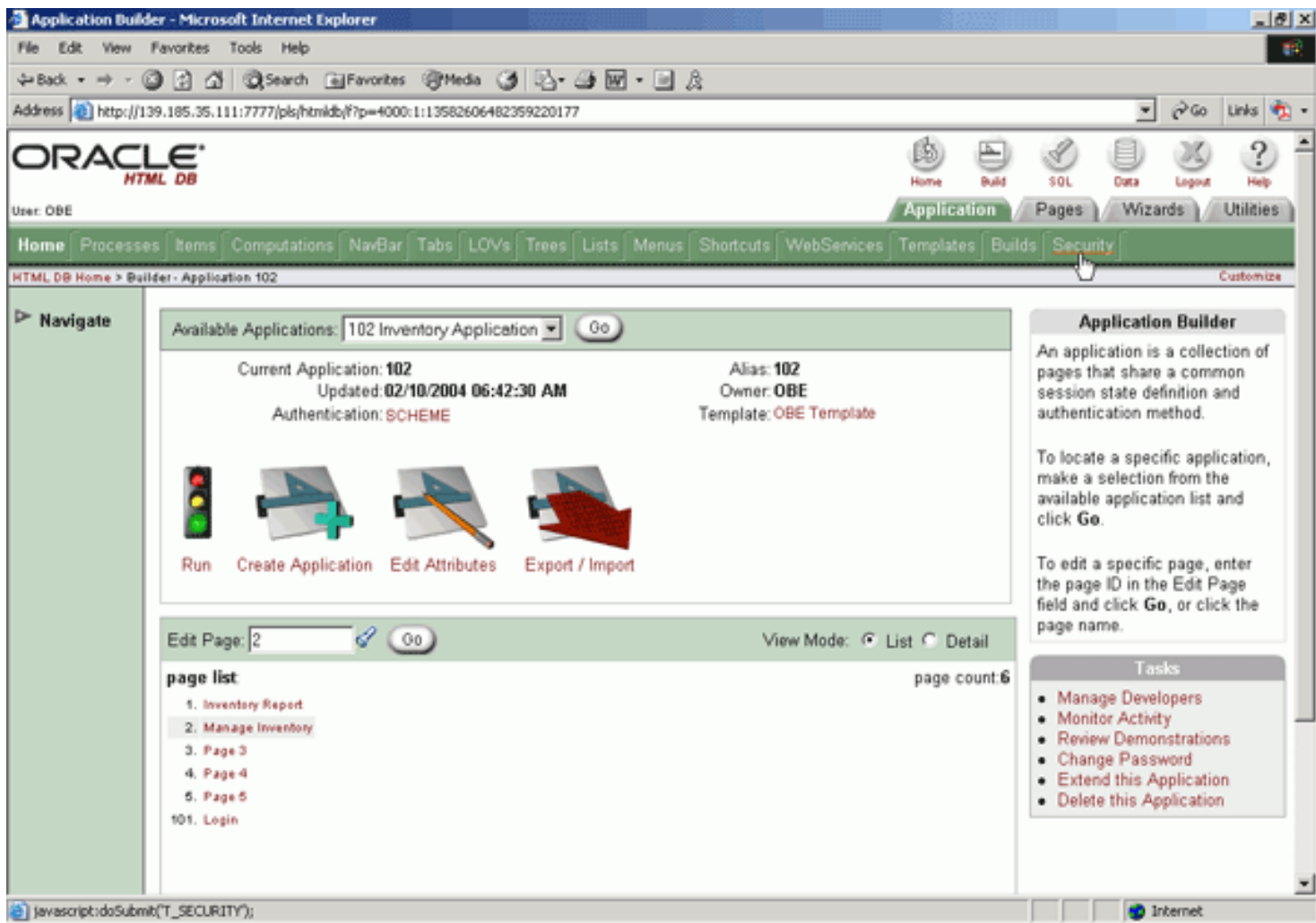
1.5.0.00.33

Workspace: OBE Language: en-us

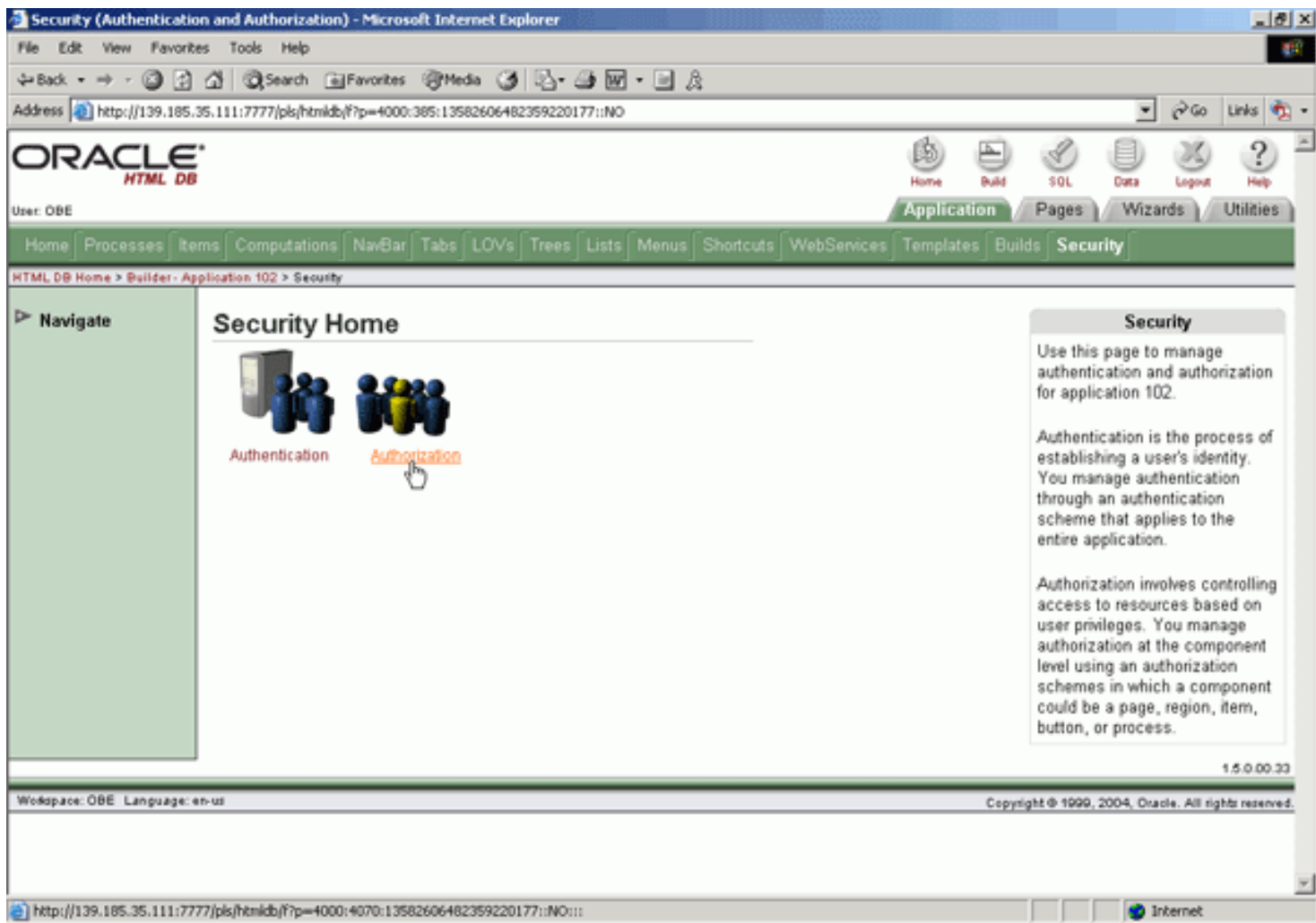
Copyright © 1999, 2004, Oracle. All rights reserved.

<http://139.185.35.111:7777/pls/htmldb/f?p=4000:1:13582606482359220177> Internet

8. You need to create an admin authorization. Click the **Security** sub-tab.

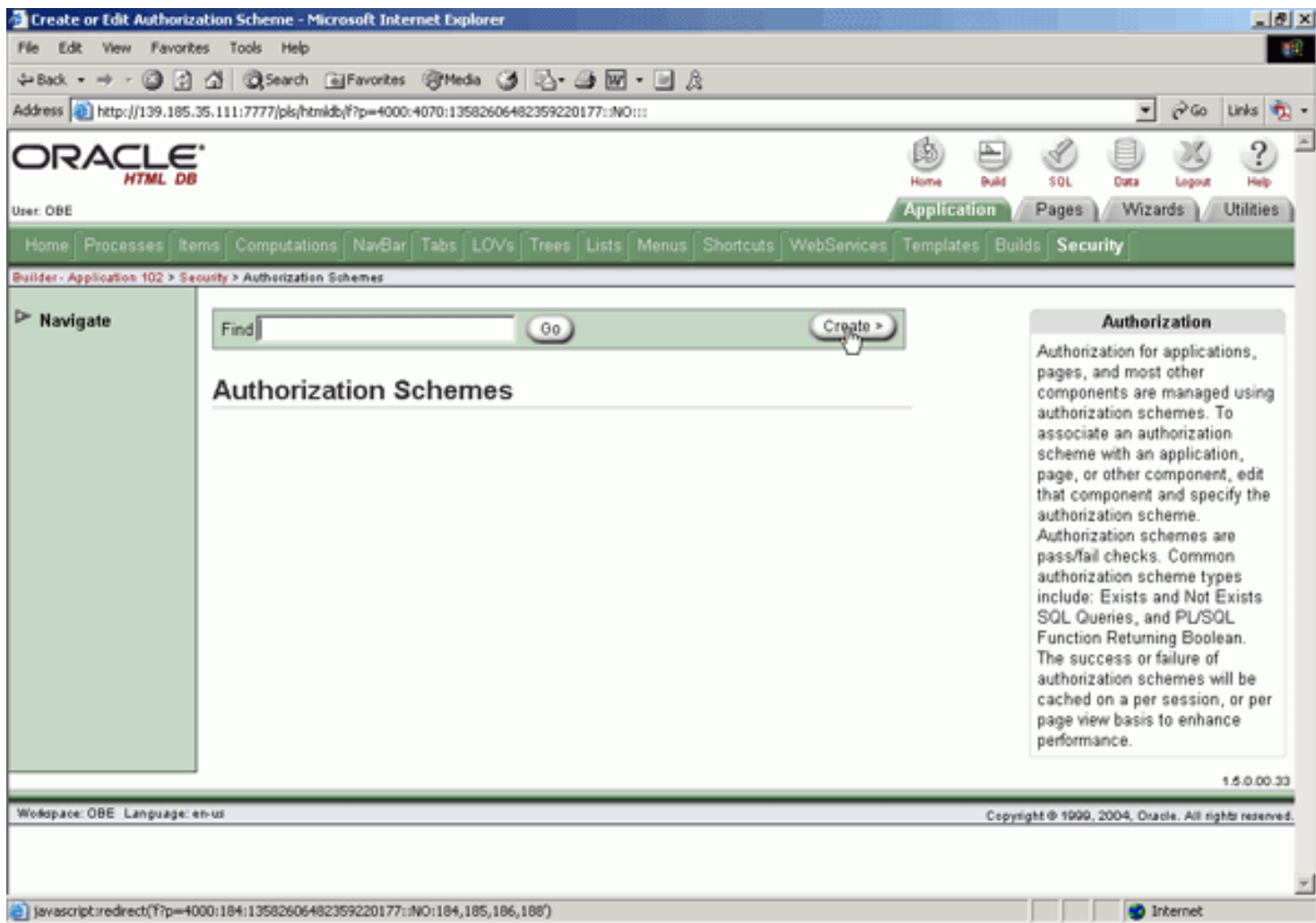


9. Click **Authorization** .



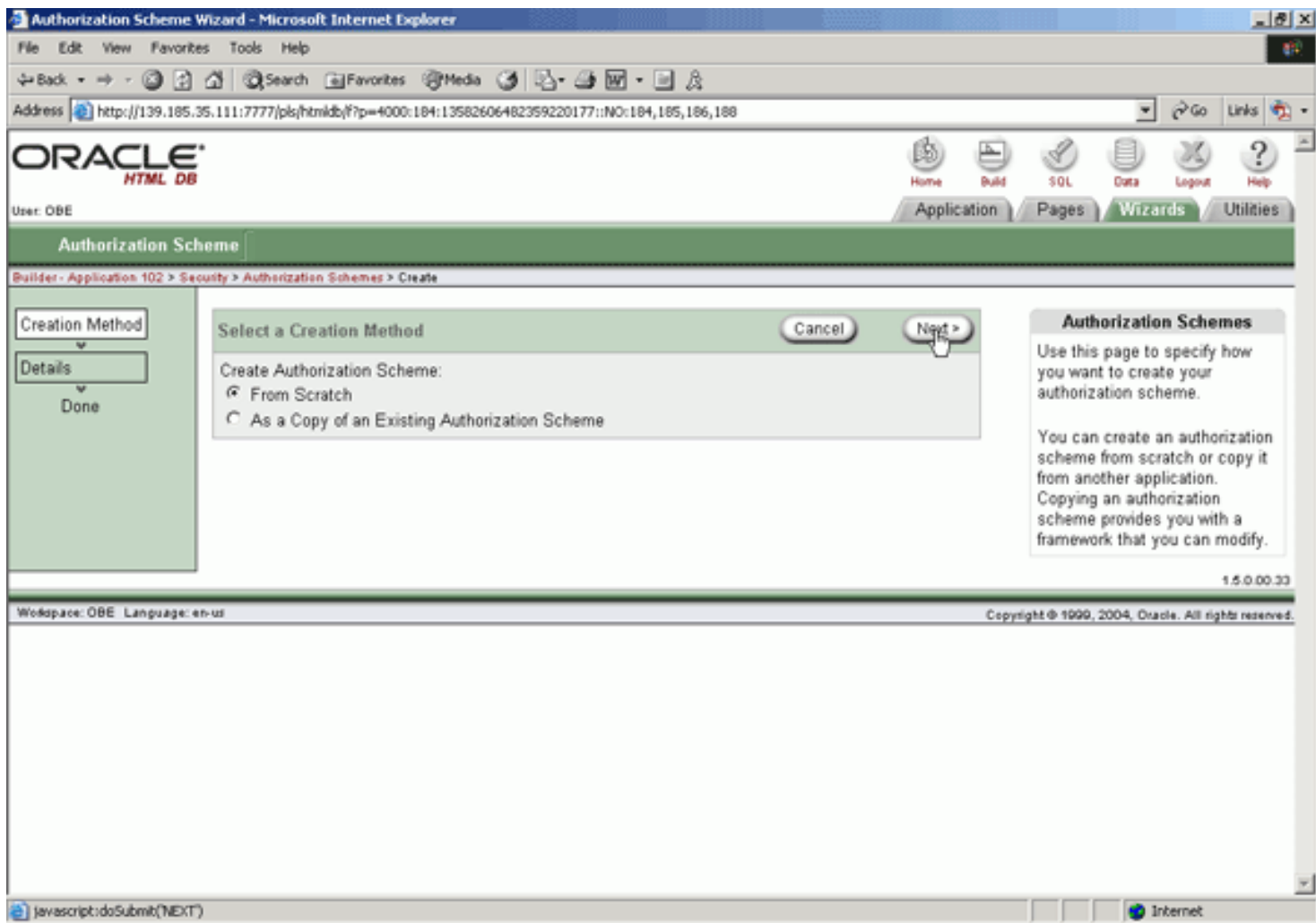
You need to create an authorization scheme. Click **Create** .

10.



Click **Next** .

11.



Enter the following and **scroll down** .

12.

Name: **admin priv req**

Scheme Type: **Exists SQL Query**

Expression 1: **select 1 from admins where userid=:FLOW_USER**

Oracle[®] HTML DB

User: OBE

Application Pages Wizards Utilities

Authorization Scheme

Builder - Application 102 > Security > Authorization Schemes > Create

Creation Method Details Done

Authorization Scheme

Cancel < Previous Create

Authorization Scheme Identification

Application: **102 Inventory Application**

Name: admin priv req

Authorization Scheme

Scheme Type: Exists SQL Query

Expression 1

```
select 1 from admins where userid=:FLOW_USER
```

Expression 2

Authorization Scheme

Use this page to establish authorization schemes.

Authorization schemes enable you to protect application pages, and application components and extend security provided by your application authentication scheme. You can use authorization schemes to identify additional security beyond simple user authentication. For example, a user with administration may need access to more navigation bar icons, page tabs than other users.

Authorization schemes can be **Exists**, **Not Exists**, and **Full Returning Boolean** are on a per session basis to improve performance.

13. Enter **Access denied. Administrator Privilege Required.** for Identify error message displayed when scheme violated and **scroll up** .

Create Authorization Scheme - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print View Source

Address http://139.185.35.111:7777/pls/htmldb/www_flow.accept

user with administration may need access to navigation bar icons, page tabs than other users.

Authorization schemes **Exit**, **Not Exit**, and **Full Returning Boolean** are on a per session basis to improve performance.

Expression 2

Identify error message displayed when scheme violated

Access denied. Administrator Privilege Required.

Evaluation Point

Validate authorization scheme

☒ Once per page view

☐ Once per session

Comments

Comments

1.5.0.00.33

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Internet

Click **Create** .

14.

Create Authorization Scheme - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://139.185.35.111:7777/pls/htmldb/www_flow.accept

ORACLE[®] HTML DB

User: OBE

Application Pages **Wizards** Utilities

Authorization Scheme

Builder - Application 102 > Security > Authorization Schemes > Create

Creation Method Details Done

Authorization Scheme

Cancel < Previous **Create**

Authorization Scheme Identification

Application: **102 Inventory Application**

Name: admin priv req

Authorization Scheme

Scheme Type: Exists SQL Query

Expression 1

select 1 from admins where userid=:FLOW_USER

Expression 2

Use this page to establish authorization schemes.

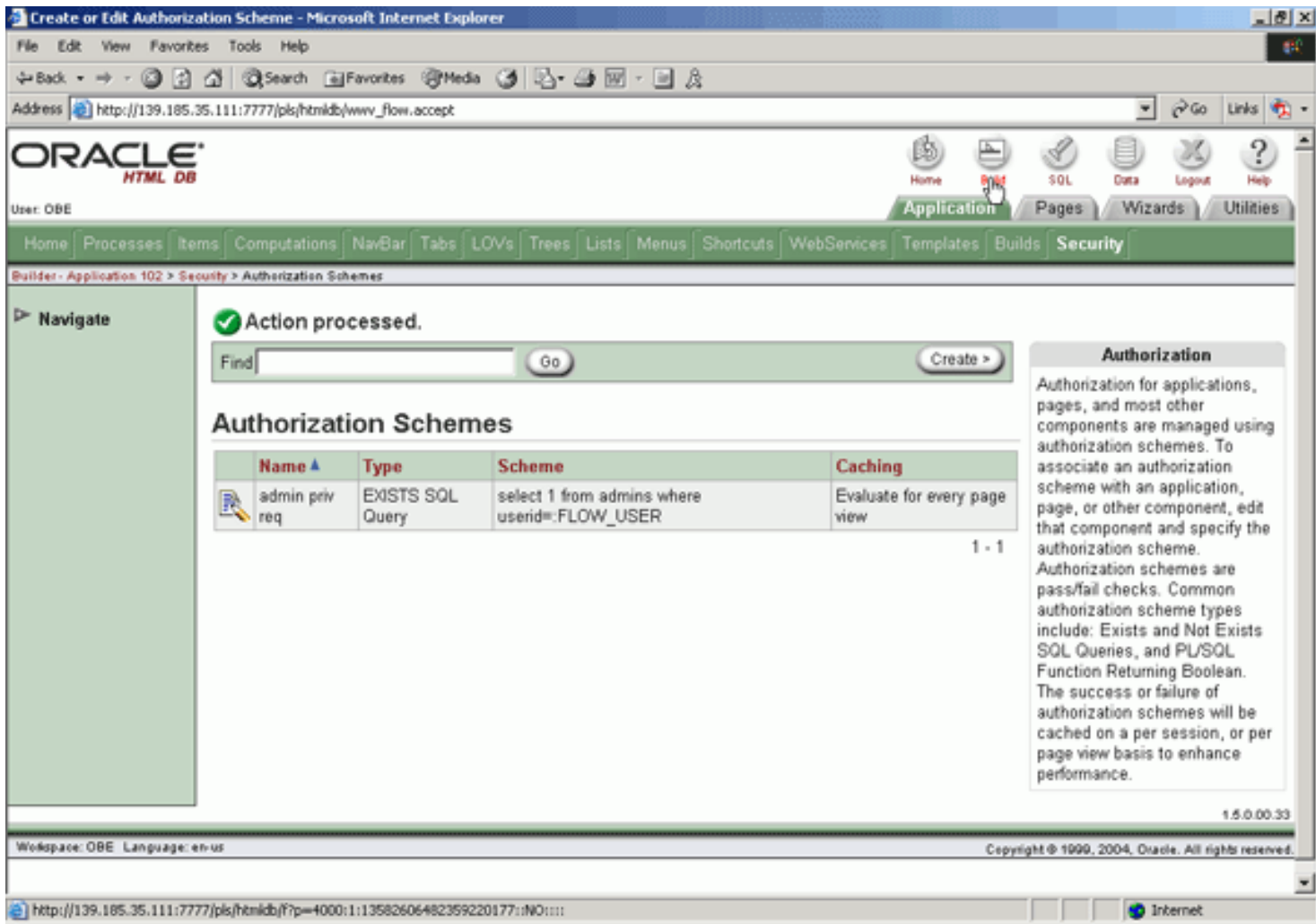
Authorization schemes enable you to protect application pages, and application components and extend security provided by your application authentication scheme. You can use authorization schemes to identify additional security beyond simple user authentication. For example, a user with administration may need access to more navigation bar icons, page tabs than other users.

Authorization schemes can be **Exists**, **Not Exists**, and **Full Returning Boolean** are on a per session basis to improve performance.

javascript:doSubmit('Create')

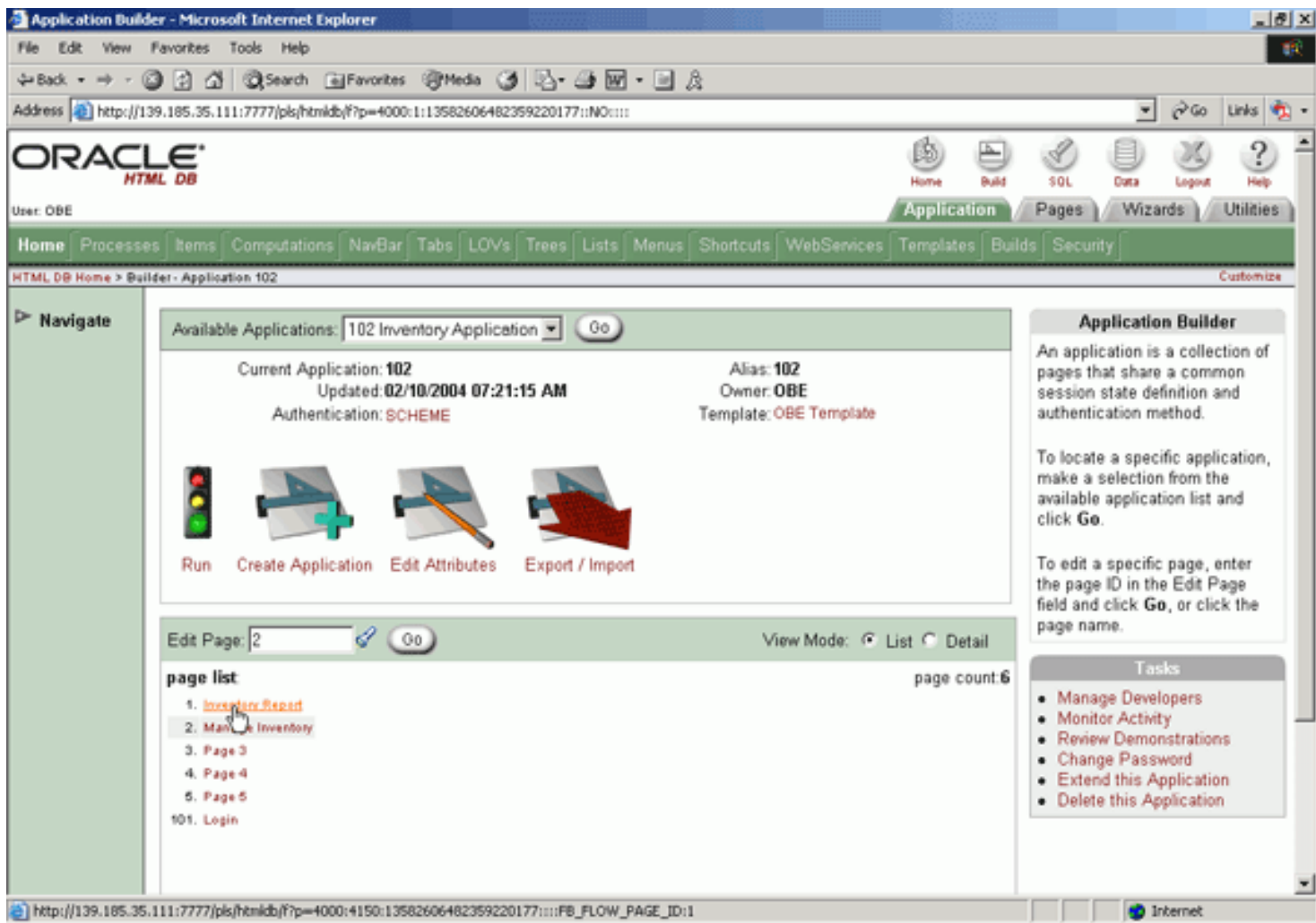
Internet

15. Your scheme has been created. Now you will associate the scheme for the ID (Edit) column on the Hardware Inventory Report. Click **Build**.



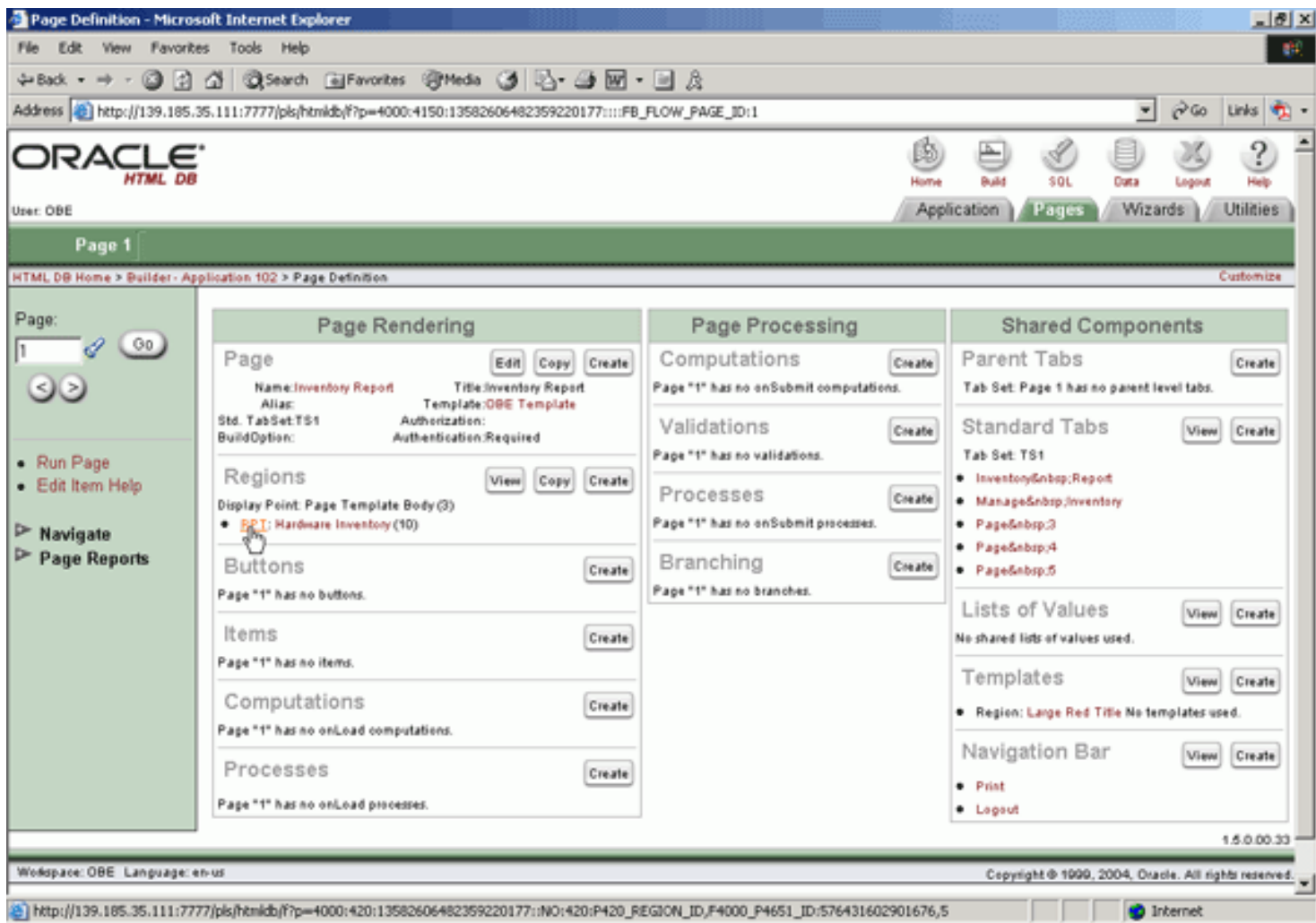
Click your page 1. **Inventory Report.**

16.



Click **RPT** to update the attributes for the Hardware Inventory region.

17.



Click the **Edit** icon next to ID.

18.

structured Query - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:420:13582606482359220177::NO:420:P420_REGION_ID,F4000_P4651_ID:576431602901676,576431602901676

ORACLE[®] HTML DB

User: OBE

Application Pages Wizards Utilities

Page 1 Regions

HTML DB Home > Builder > Application 102 > Page Definition > Report Attributes

Region Definition Report Attributes Query Definition

Report Attributes Cancel Apply Changes

- Column Attributes - Layout and Pagination - Sorting - Messages - CSV Output - Break Formatting

Report Column Attributes

Headings Type: ☐ Column Names ☐ Column Names (InitCap) ☒ Custom ☐ PL/SQL ☐ None

Alias	Edit	Heading	Column Align.	Heading Align.	Show	Sum	Sort	Sequence
ID	▼ ▲	Id	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1
SERIAL	▼ ▲	Serial	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
BRAND	▼ ▲	Brand	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_TYPE	▼ ▲	Cpu Type	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_SPEED	▼ ▲	Cpu Speed	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
PURCHASE_DATE	▼ ▲	Purchase Date	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
MODEL	▼ ▲	Model	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
FORM_FACTOR	▼ ▲	Form Factor	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

Report Attributes

Report and column attributes allow defining attributes such as reports headers, report templates, pagination, sorting and formatting. Additional column attributes can be defined when clicking on the column edit icons shown in front of each column definition.

A selection of pre-defined report templates as well as user defined report templates can be applied to this report. A variety of different pagination styles is also available. If pagination on a report should be done using buttons, select externally define pagination.

Tasks

- Find Items
- Show Query Source
- Run this page

javascript:setColumnIDandSubmit(576903502901647);

Internet

Select the **Conditions** link.

19.

Column Attributes - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:422:13582606482359220177::NO:::8success_msg=Report%20attributes%20set

ORACLE[®]
HTML DB

User: OBE

Application Pages Wizards Utilities

Page 1 Regions

HTML DB Home > Builder > Application 102 > Page Definition > Report Attributes > Column Attributes

✓ Report attributes set.

Column Attributes: ID Cancel Apply Changes >

- Column Definition - Formatting - Link - Updateable Column - LOVs - Conditions

Column Definition

Column Heading ID

Show Column Yes Heading Alignment center

Build Sum No Column Alignment right

Allow Sorting Yes

Column Formatting

Number / Date Format

CSS Class

CSS Style

Highlight Words

HTML Expression

Column Attributes

Edit report column attributes. Navigating to next and previous report columns will save your changes.

Tasks

- Find Items

http://139.185.35.111:7777/pls/htmldb/f?p=4000:422:13582606482359220177::NO:::8success_msg=Report attributes set..#C Internet

Select **admin priv req** for the Authorization Scheme and click **Top**.

20.



Column Attributes - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://139.185.35.111:7777/pls/htmldb/f?p=4000:422:13582606482359220177::NO:::8success_msg=Report%20attributes%20set.#PAGETOP

ORACLE[®]
HTML DB

User: OBE

Application Pages Wizards Utilities

Page 1 Regions

HTML DB Home > Builder > Application 102 > Page Definition > Report Attributes > Column Attributes

Report attributes set.

Column Attributes: ID Cancel Apply Changes >

- Column Definition - Formatting - Link - Updateable Column - LOVs - Conditions

Column Definition

Column Heading

Show Column Heading Alignment

Build Sum Column Alignment

Allow Sorting

Column Formatting

Number / Date Format

CSS Class

CSS Style

Highlight Words

HTML Expression

Column Attributes

Edit report column attributes. Navigating to next and previous report columns will save your changes.

Tasks

- Find Items

javascript:doSubmit("SAVE")

Internet

Click **Apply Changes** again.

22.

structured Query - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Mail

Address http://139.185.35.111:7777/pls/htmldb/?fp=4000:420:13582606482359220177::NO::

ORACLE[®] HTML DB

User: OBE

Home Build SQL Data Logout Help

Application Pages Wizards Utilities

Page 1 Regions

HTML DB Home > Builder > Application 102 > Page Definition > Report Attributes

Region Definition Report Attributes Query Definition

Report Attributes Cancel Apply Changes

- Column Attributes - Layout and Pagination - Sorting - Messages - CSV Output - Break Formatting

Report Column Attributes

Headings Type: ☐ Column Names ☐ Column Names (InitCap) ☒ Custom ☐ PL/SQL ☐ None

Alias	Edit	Heading	Column Align.	Heading Align.	Show	Sum	Sort	Sequence
ID	▼ ▲	Id	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1
SERIAL	▼ ▲	Serial	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
BRAND	▼ ▲	Brand	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_TYPE	▼ ▲	Cpu Type	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_SPEED	▼ ▲	Cpu Speed	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
PURCHASE_DATE	▼ ▲	Purchase Date	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
MODEL	▼ ▲	Model	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
FORM_FACTOR	▼ ▲	Form Factor	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

Report Attributes

Report and column attributes allow defining attributes such as reports headers, report templates, pagination, sorting and formatting. Additional column attributes can be defined when clicking on the column edit icons shown in front of each column definition.

A selection of pre-defined report templates as well as user defined report templates can be applied to this report. A variety of different pagination styles is also available. If pagination on a report should be done using buttons, select externally define pagination.

Tasks

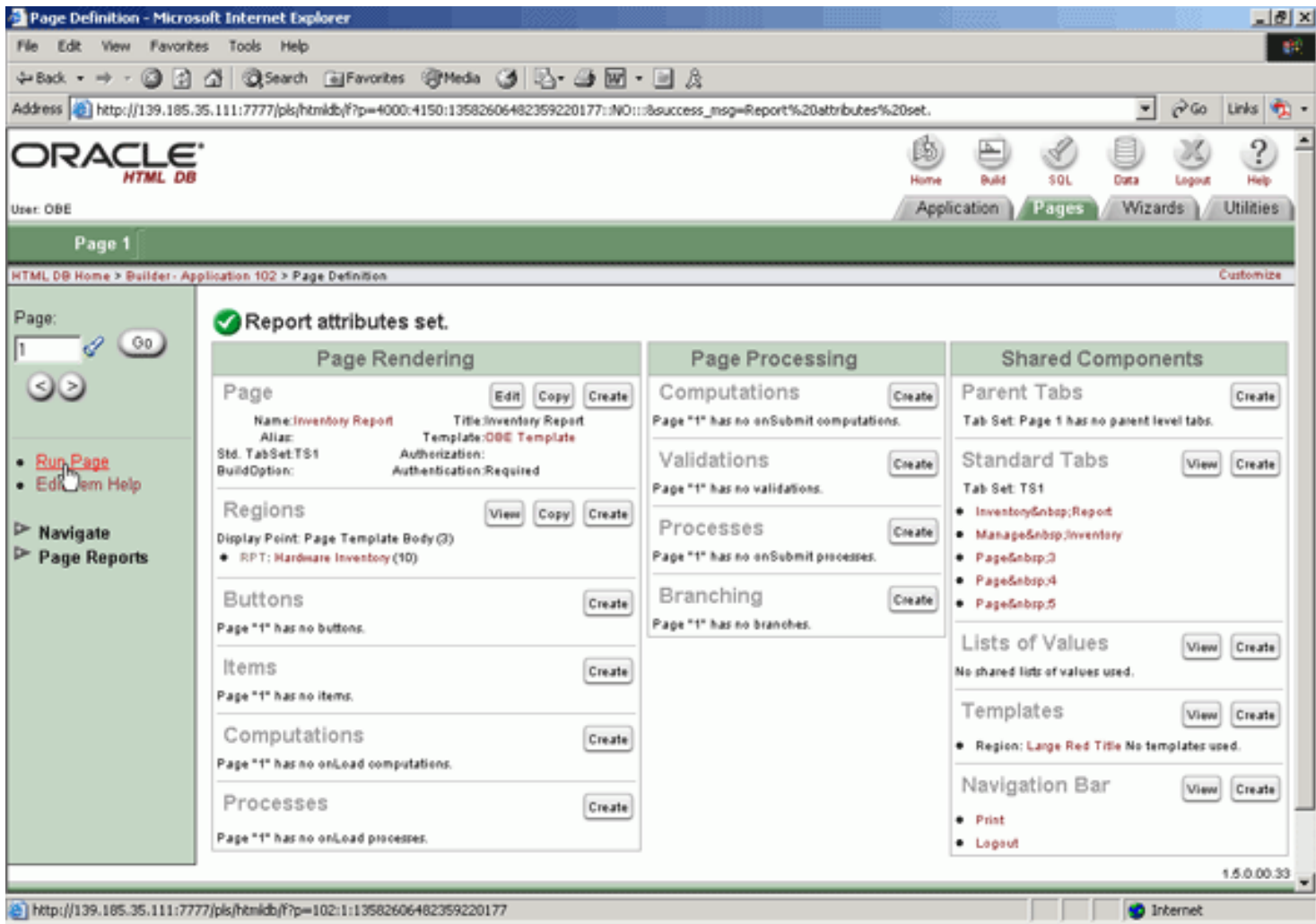
- Find Items
- Show Query Source
- Run this page

javascript:doSubmit('APPLY_CHANGES')

Internet

Click Run Page .

23.



Click **Logout** .

24.

Inventory Report - Microsoft Internet Explorer

Address: <http://139.185.35.111:7777/pls/htmldb/f?p=102:1:13582606482359220177>

ORACLE

Print :: Logout ::

OBE **Inventory Report:** Manage Inventory: Page 3: Page 4: Page 5:

Hardware Inventory:

Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
FL4Q321	Dell	Pentium III	2400	10-DEC-02	Gx260	D	6267
ABC12345	Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
HQMHC12	Dell	Pentium IV	1700	15-JUN-02	Gx240	D	6588
H098OUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
JKEW77U	Toshiba	Pentium I	1700	01-MAR-03	Tecra 740 CDT	L	2266
KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
OKMND876	Digital	Pentium I	1200	01-JAN-98	Hinote Ultra II	L	2188
0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
8UJDSLKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
QT6547PLPS	Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
QT21603PLP5	Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773

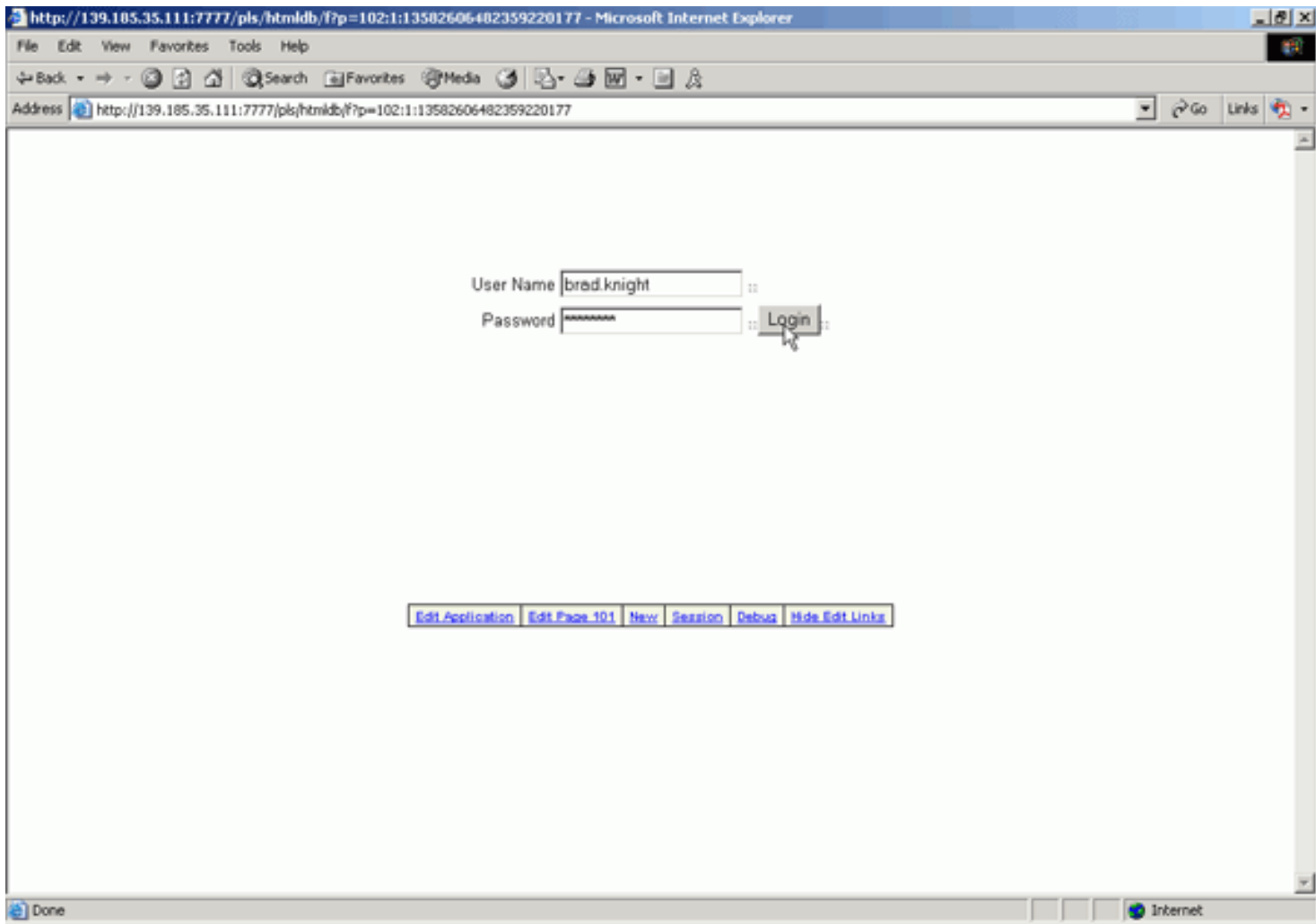
row(s) 1 - 15 of 38 Next >

Edit Application Edit Page 1 New Session Debug Hide Edit Links

http://139.185.35.111:7777/pls/htmldb/www_flow_custom_auth_std.logout?p_this_flow=102&p_next_flow_page_sess=102:1:1358260648235 Internet

Enter **Brad.Knight** for the User Name and **welcome1** for the Password and click **Login** .

25.



26. Notice that because Brad is an administrator, you see the ID column to allow a row to be updated. Now you will logout and relogin as John to see that he does not have the ability to update a row since he is not an admin. Click **Logout** again.

Inventory Report - Microsoft Internet Explorer

Address: <http://139.185.35.111:7777/pls/htmldb/f?p=102:1:7570702846308453765>

ORACLE

BRAD.KNIGHT

Inventory Report: Manage Inventory: Page 3: Page 4: Page 5:

Hardware Inventory:

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
0C8765T		Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
1U09CM2423		Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
0KBIU4		Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
51214246AB		Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
HQMHC12		Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
W112FGHZ456		Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
2DLP1		Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
6ZQ11		Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
59785246GH		Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
12375936YT		Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
LTS5133		Digital	Pentium I	100	01-JAN-96	Hinote Ultra II	L	2188
A492CSLZE265		Compaq	Pentium III	750	23-JUN-99	Deskpro	D	5066
3J17JZL1345		Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
UV103GAJQ105		Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
6901B475		Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321

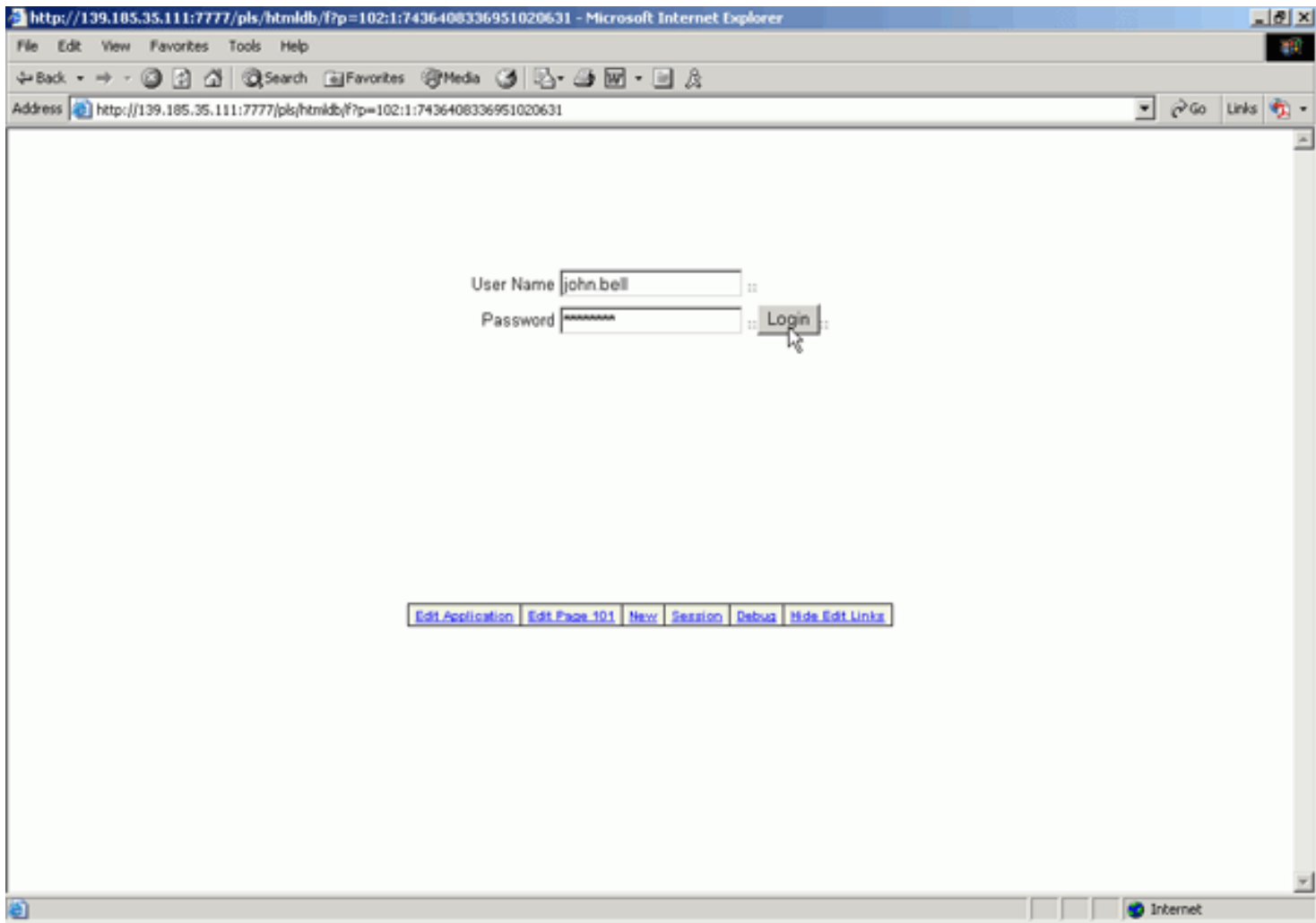
row(s) 1 - 15 of 38 Next >

Edit Application Edit Page 1 New Session Debug Hide Edit Links

http://139.185.35.111:7777/pls/htmldb/www_flow_custom_auth_std.logout?p_this_flow=102&p_next_flow_page_sess=102:1:7570702846308 Internet

Now you can login as a non administrator. Enter username **John.Bell** and password **welcome1** . Then click **Login** .

27.



28. Notice that you do not see the Edit column any longer. You do see the Manage Inventory tab which you do not want non-administrators to have access to so you will eliminate the tab now. Click **Edit Page 1**.

Inventory Report - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address http://139.185.35.111:7777/pls/htmldb/f?p=102:1:7436408336951020631

ORACLE

Print Logout

JOHN.BELL

Inventory Report: Manage Inventory: Page 3: Page 4: Page 5:

Hardware Inventory:

Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
0C8765T	Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
1U09CM2423	Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
51214246AB	Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
2DLP1	Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
6ZQ11	Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
59785246GH	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
12375936YT	Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
LTS5133	Digital	Pentium I	100	01-JAN-96	Hinote Ultra II	L	2188
A492CSLZE265	Compaq	Pentium III	750	23-JUN-99	Deskpro	D	5066
3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
6901B475	Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321

row(s) 1 - 15 of 38 Next >

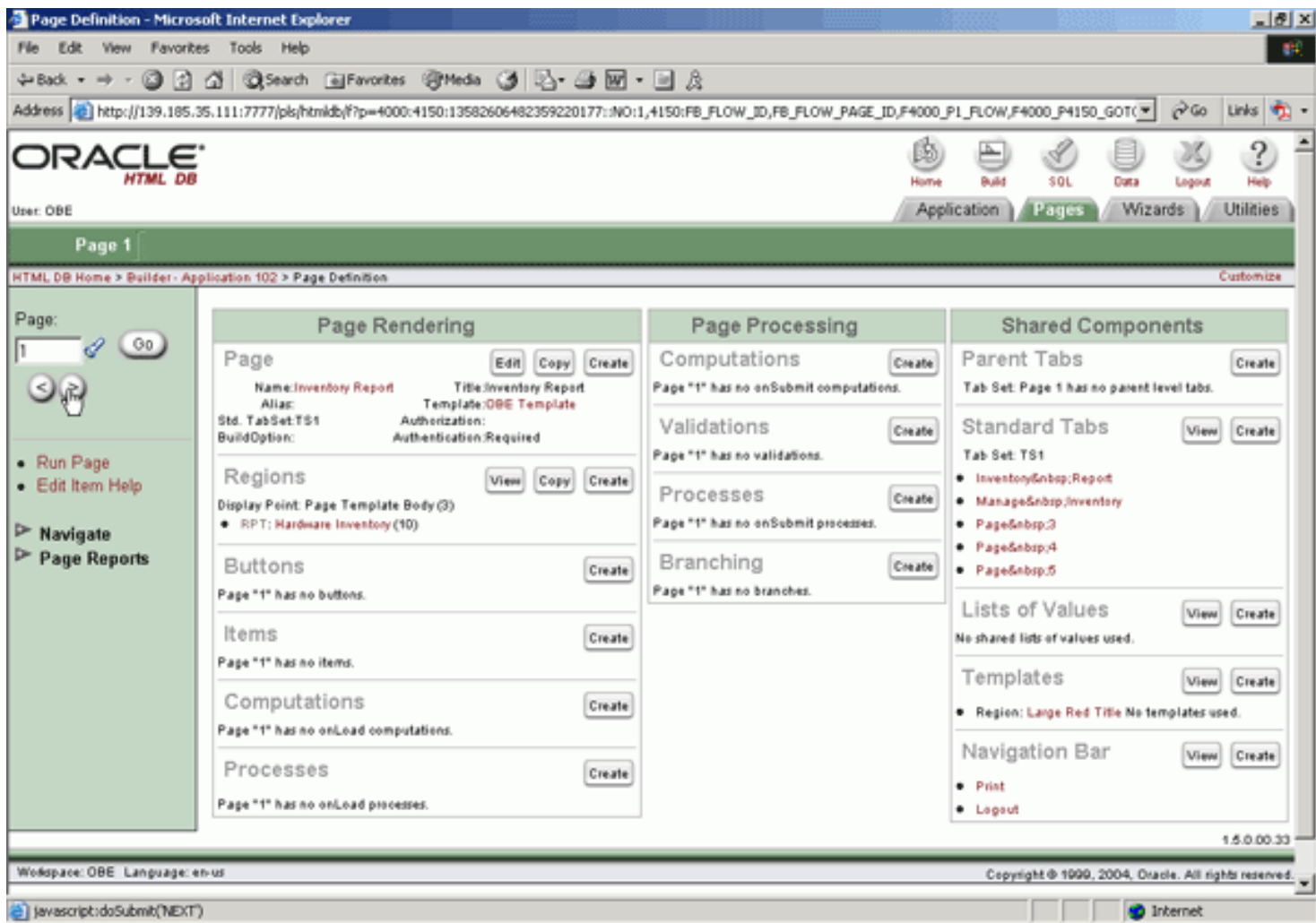
Edit Application Edit Page 1 New Session Debug Hide Edit Links

http://139.185.35.111:7777/pls/htmldb/f?p=4000:4150:13582606482359220177::NO:1,4150:FB_FLOW_ID,FB_FLOW_PAGE_ID,F4000_P1_FLOW,F4

Internet

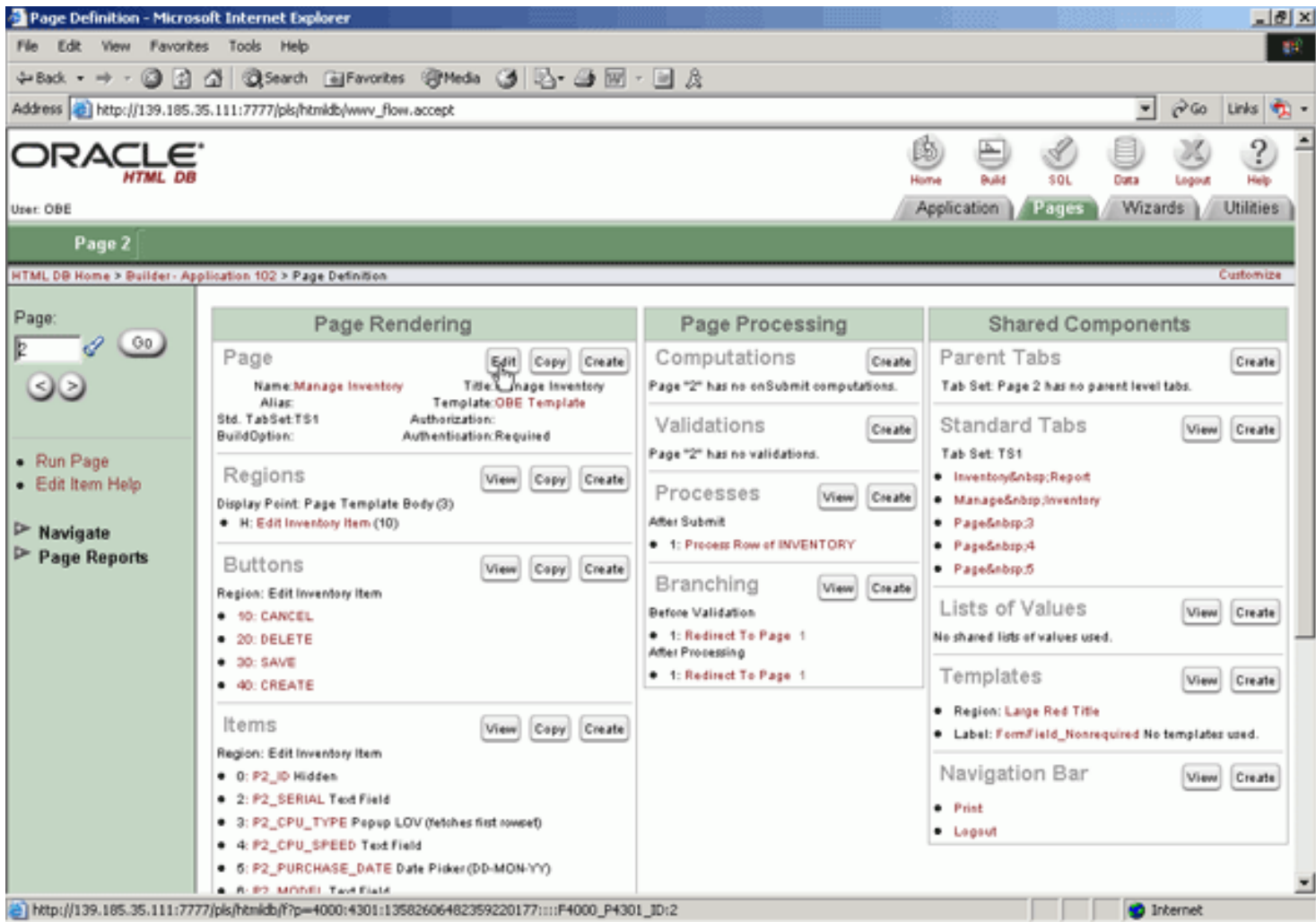
Click > to navigate to page 2.

29.



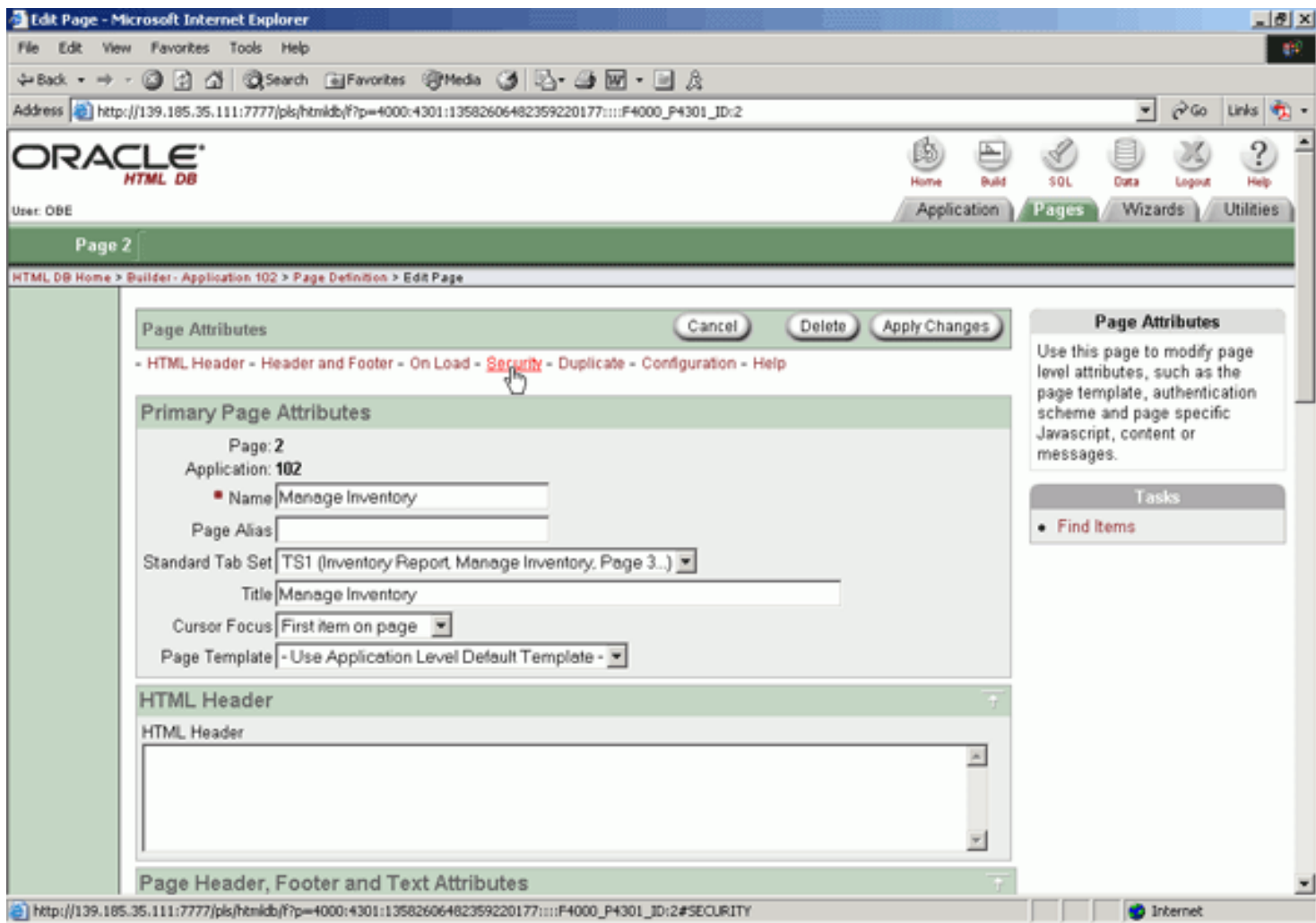
Click **Edit** in the Page section.

30.



Click the **Security** link.

31.



Select **admin priv req** for the Authorization Scheme and click **Top** .

32.

Microsoft Internet Explorer - Edit Page

Address: http://139.185.35.111:7777/pls/htmldb/f?p=4000:4301:13582606482359220177:::F4000_P4301_ID:2#SECURITY

Security

Authorization Scheme: **admin priv reg**

Authentication: **Page Requires Authentication**

Duplicate Page Submission Checks

Allow duplicate page submissions: **Yes - Allow page to be re-posted**

On duplicate page submissions go to this URL:

Configuration Management

Build Option: **Specify a build option**

On Error Text

In-line Error Notification Text:

Page Help Text

Help Text:

No help is available for this page.

Click **Apply Changes** .

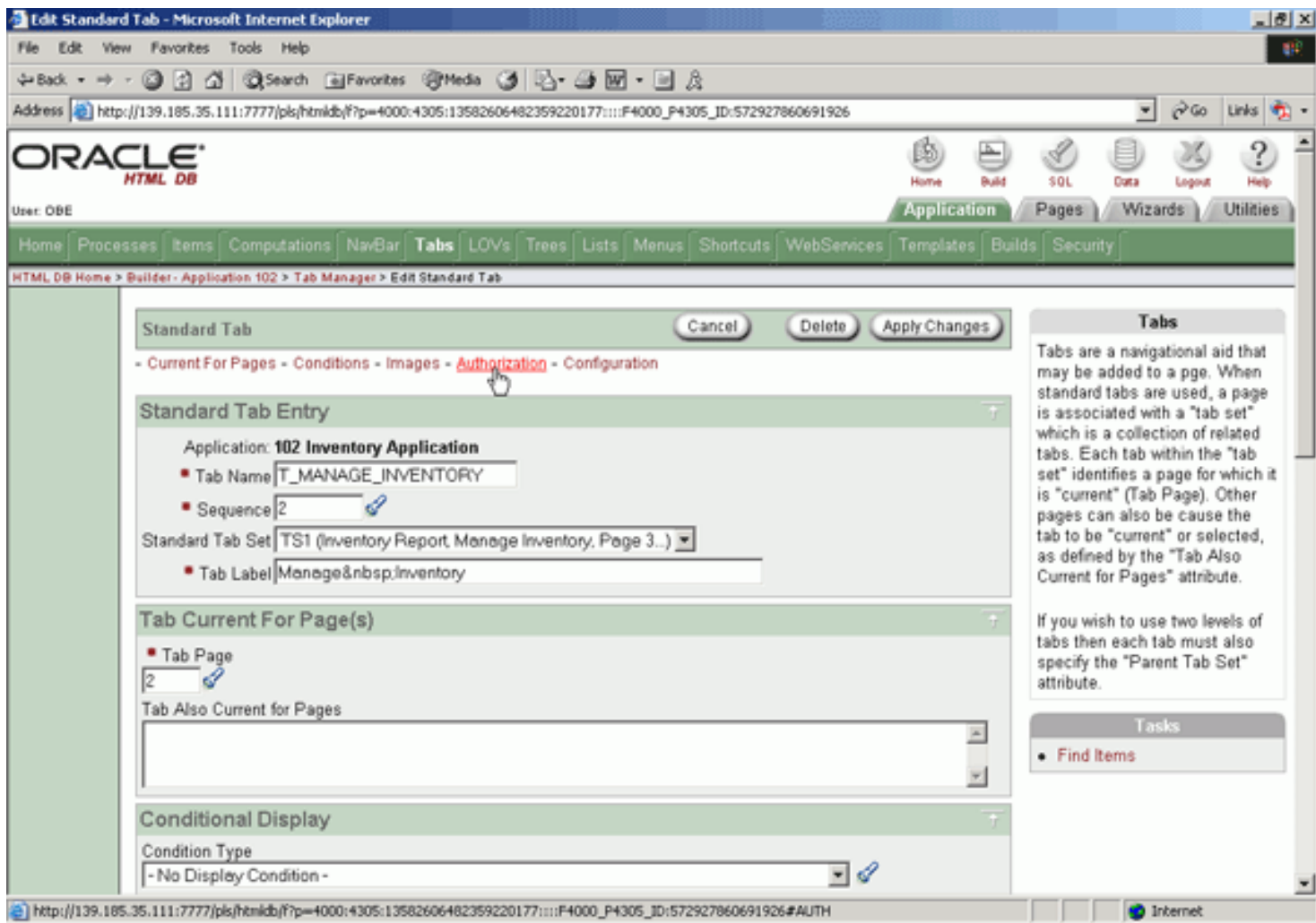
33.

In the Standard Tabs section, click the tab **Manage Inventory** .

33.

Click the **Authorization** Link.

34.



Select **admin priv req** for the Authorization Scheme and click **Top** .

35.

Microsoft Internet Explorer - Edit Standard Tab

Address: http://139.185.35.111:7777/pls/htmldb/f?p=4000:4305:13582606482359220177:::F4000_P4305_ID:572927860691926#AUTH

Images

Current Tab Image

Non Current Tab Image

Image Attributes

Parent Tab Set

Parent TabSet

Authorization

Authorization Scheme

Configuration Management

Build Option

Comments

Comments

1.5.0.00.33

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

http://139.185.35.111:7777/pls/htmldb/f?p=4000:4305:13582606482359220177:::F4000_P4305_ID:572927860691926#PAGETOP Internet

Click **Apply Changes** .

36.

Oracle HTML DB

User: OBE

Application Pages Wizards Utilities

Home Processes Items Computations NavBar **Tabs** LOVs Trees Lists Menus Shortcuts WebServices Templates Builds Security

HTML DB Home > Builder > Application 102 > Tab Manager > Edit Standard Tab

Standard Tab [Cancel] [Delete] [Apply Changes]

- Current For Pages - Conditions - Images - Authorization - Configuration

Standard Tab Entry

Application: **102 Inventory Application**

- Tab Name: T_MANAGE_INVENTORY
- Sequence: 2
- Standard Tab Set: TS1 (Inventory Report, Manage Inventory, Page 3...)
- Tab Label: Manage Inventory

Tab Current For Page(s)

- Tab Page: 2
- Tab Also Current for Pages:

Conditional Display

Condition Type: - No Display Condition -

Tabs

Tabs are a navigational aid that may be added to a page. When standard tabs are used, a page is associated with a "tab set" which is a collection of related tabs. Each tab within the "tab set" identifies a page for which it is "current" (Tab Page). Other pages can also be cause the tab to be "current" or selected, as defined by the "Tab Also Current for Pages" attribute.

If you wish to use two levels of tabs then each tab must also specify the "Parent Tab Set" attribute.

Tasks

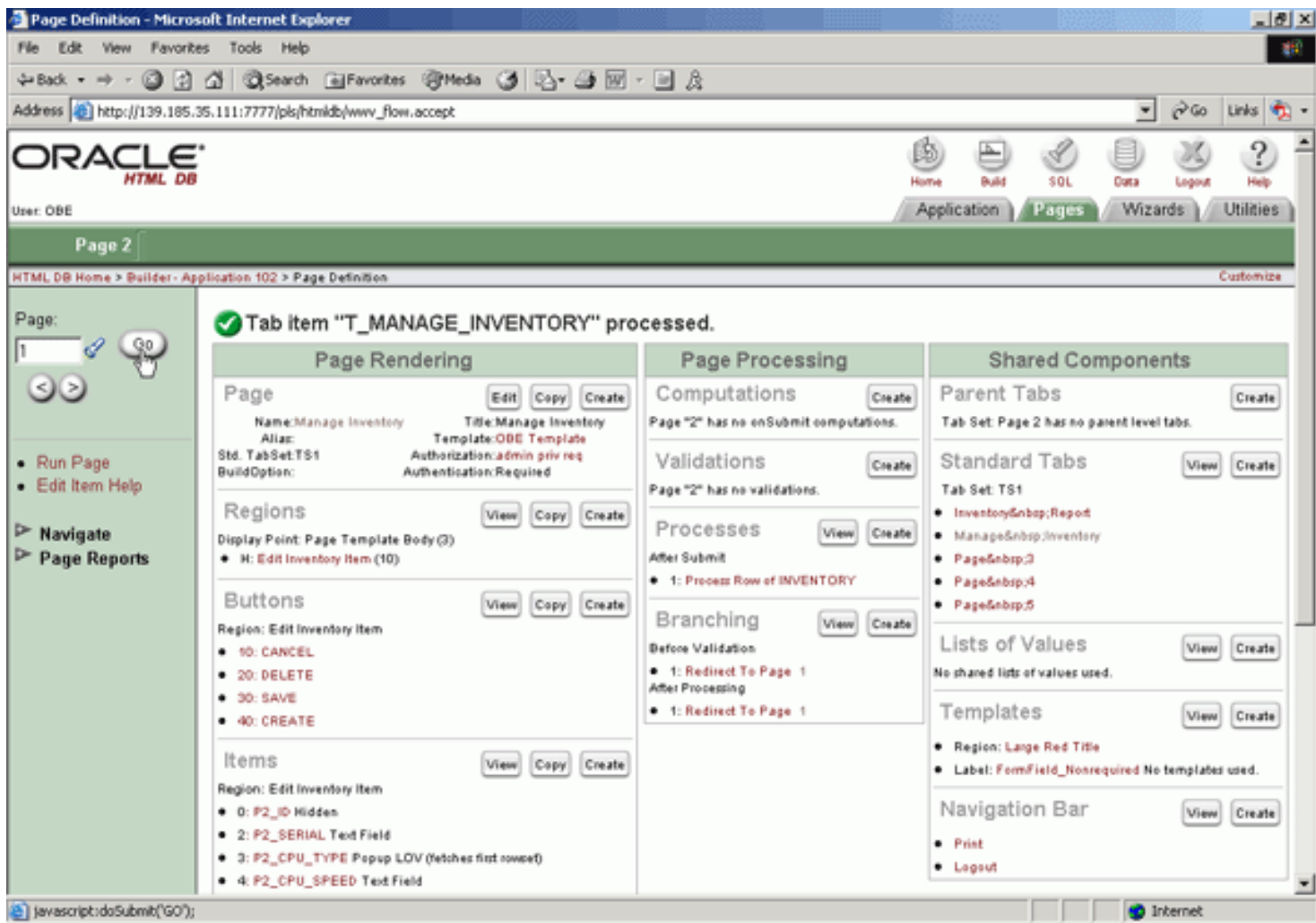
- Find Items

javascript:doSubmit('Apply Changes')

Internet

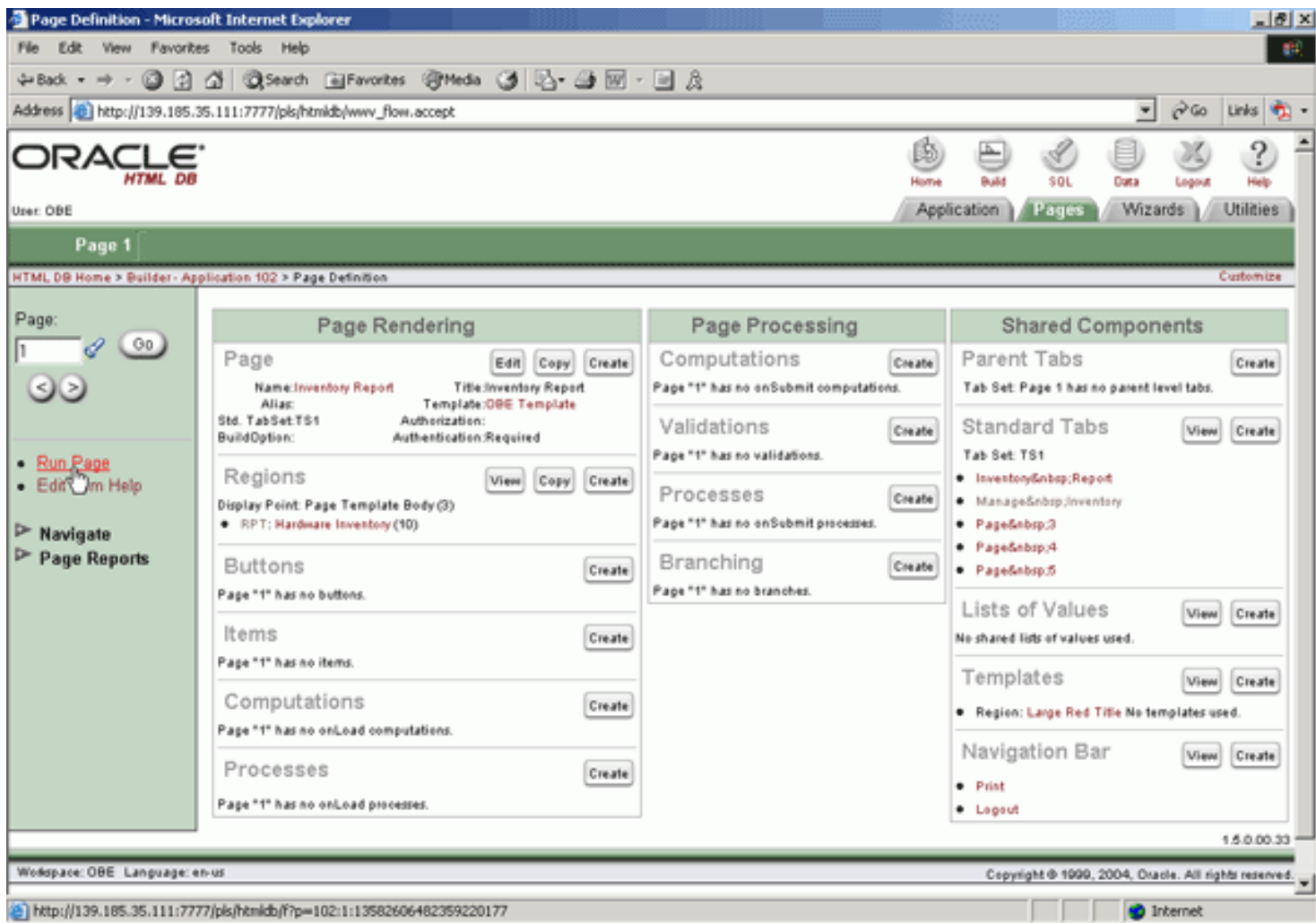
Change the number in the Page field in the left navigator to **1** and click **Go** .

37.



Then click **Run Page**.

38.



Notice that the Manage Inventory Tab is not available any longer because you are logged on as a non-administrator.

39.

Inventory Report - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Mail

Address http://139.185.35.111:7777/pls/htmldb/f?p=102:1:7436408336951020631

ORACLE

Print Logout

JOHN.BELL Inventory Report: Page 3: Page 4: Page 5:

Hardware Inventory:

Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
0C8765T	Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
1U09CM2423	Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
51214246AB	Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
2DLP1	Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
6ZQ11	Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
59785246GH	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
12375936YT	Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
LTS5133	Digital	Pentium I	100	01-JAN-96	Hinote Ultra II	L	2188
A492CSLZE265	Compaq	Pentium III	750	23-JUN-99	Deskpro	D	5066
3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
6901B475	Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321

row(s) 1 - 15 of 38 Next

Edit Application Edit Page 1 New Session Debug Hide Edit Links

Internet

 Place the cursor on this icon to hide all screenshots.