

Index

/

/usr/include/X11/bitmaps, 9
 /usr/lib/X11/app-defaults, 14

A

A, note, **4**
 app-defaults, 14
 application defaults, 14
 application header file, **4**
 application programmer, **2**
 Arg, **16**
 ArgList, **16**
 argument lists, **16**
 AsciiSink object, 87, **94**, 96
 class name, 94
 resources, 95, 103
 AsciiSink.h, 94
 asciiSinkObjectClass, 94
 AsciiSinkP.h, 94
 AsciiSrc object, 87, **91**, 96
 class name, 91
 resources, 92
 AsciiSrc.h, 91
 asciiSrcObjectClass, 91
 AsciiSrcP.h, 91
 AsciiText widget, **86**, 96
 class name, 86
 resources, 87
 AsciiText.h, 86
 AsciiTextP.h, 86
 asciiTextWidgetClass, 86

B

bitmap conversions, **9**
 BitmapFilePath, **9**
 bitmapFilePath, **9**
 Box widget, **108**
 class name, 108
 layout semantics, 110
 resources, 109, 127
 Box.h, 108, 126
 BoxP.h, 108
 boxWidgetClass, 108

ButtonPress, 137

C

C, note, **4**
 CallbackProc, **12**
 callbacks, 12
 chapter format, **4**
 child, 2
 class header file, **4**
 class name, **4**
 class, **2**, **4**
 client, **2**
 Command widget, **18**
 actions, 22
 class name, 18
 resources, 19
 translation bindings, 22
 Command.h, 18
 CommandP.h, 18
 commandWidgetClass, 18
 compiling applications, 14
 conventions:
 chapter format, **4**
 used in manual, **3**
 conversions, **8**
 AsciiType, 91, 93
 BackingStore, 60
 Bitmap, **9**
 ColorCursor, **9**
 Cursor, **9**
 Gravity, 128
 Justify, 21, 27, 39, 53, 69
 Orientation, 43, 110, 121
 Pixel, **9**
 ShapeStyle, 21, 40, 54, 70
 Widget, 113, 117
 XawTextEditType, 89, 93, 100
 XawTextResizeMode, 90, 98
 XawTextScrollMode, 90, 98
 Core widget, 132
 creating new widgets, **132**
 creating widgets, **7**
 cursor, 9

D

D, note, **4**
 destroyCallback, **13**

Dialog widget, 108, **110**
 automatically created children, 114
 class name, 111
 constraint resources, 112
 layout semantics, 113
 resources, 111
 special considerations, 114
 Dialog.h, 110
 DialogP.h, 111
 dialogWidgetClass, 111

E

events, 10
 examples, 17

F

fallback resources, **6**
 FindPosition, 105
 float resources:
 setting, 46
 FMT8BIT, 83
 Form widget, 108, **115**
 class name, 115
 constraint resources, 116
 re-layout, 118
 resources, 115
 Form.h, 115
 FormP.h, 115
 formWidgetClass, 115
 fromHoriz, 113, 117
 fromLeft, 114
 fromVert, 113, 117
 FullName, 2

G

geometry management, 108
 Grip widget, 18, **22**
 actions, 24
 class name, 22
 GripAction routine, 24
 GripAction table, 25
 resources, 23
 Grip.h, 22
 GripAction, 123
 GripCallData, 25
 GripP.h, 22

gripWidgetClass, 22

H

horizDistance, 113, 117

I

initialization, **6**
 input focus, **5**
 Input Method, 80
 input, **5**
 instance, **2**
 internationalization, 6
 Intrinsic.h, 13
 introduction, **1**

J

jumpProc, 44, **45**

K

KeyPress, 137

L

Label widget, 18, **25**
 class name, 25
 resources, 25
 Label.h, 25
 LabelP.h, 25
 labelWidgetClass, 25
 libICE, 14
 libSM, 14
 libX11, 14
 libXaw, 14
 libXext, 14
 libXmu, 14
 libXt, 14
 linking applications, 14
 List widget, 18, **28**
 actions, 31
 callbacks, 31
 class name, 28
 default translation table, 31
 resources, 28
 List.h, 28
 ListP.h, 28
 listWidgetClass, 28

locale, 6

M

MenuButton widget, **67**

- actions, 70
- class name, 67
- resources, 67

MenuButton.h, 67

MenuButtonP.h, 67

menuButtonWidgetClass, 67

Menus, 58

- popup, 58
- pulldown, 58
- using, 58

method, **2**

MultiSink object, 87, 96

MultiSrc object, 87, 96

N

name:

- widget, **2**

notes, **4**

O

object, **2**

P

Paned widget, 108, **118**

- change height settings, 123
- class name, 118
- constraint resources, 121
- disable auto-reconfiguring, 124
- disable pane resizing, 123
- enable auto-reconfiguring, 124
- enable pane resizing, 123
- get height settings, 124
- getting the number of children, 124
- layout semantics, 122
- resources, 119
- using, 118

Paned.h, 118

PanedP.h, 118

panedWidgetClass, 118

Panner widget, 18, **33**

- actions, 36
- callbacks, 36
- class name, 33
- default translation table, 36
- resources, 33

Panner.h, 33

PannerP.h, 33

pannerWidgetClass, 33

parent, **2**

pixel, 9

Porthole widget, 108, **124**

- callbacks, 126
- class name, 124
- layout semantics, 126
- resources, 125

Porthole.h, 124

PortholeP.h, 124

portholeWidgetClass, 124

R

R, note, **4**

Radio button, 51

Radio groups, 51, 56

- one of many, 56

- zero or one of many, 56

radioData, 56

realizing widgets, **9**

Repeater widget, 18, **37**

- actions, 40
- class name, 37
- resources, 37
- translation bindings, 40

Repeater.h, 37

RepeaterP.h, 37

repeaterWidgetClass, 37

ReportProc, **36, 126**

resource, **2, 8, 14**

rgb.txt, 9

S

Scrollbar widget, 18, **41**

- actions, 44
- callbacks, 44
- class name, 41
- default translation table, 44
- resources, 41
- setting thumb values, 45

Scrollbar.h, 41

ScrollbarP.h, 41

scrollbarWidgetClass, 41

ScrollProc, **44**

SetSelection, **102**

Simple widget, 18, **46**

- class name, 46
- resources, 46

simple widgets, 18

Simple.h, 46
 SimpleMenP.h, 59
 SimpleMenu widget, **58**
 actions, 61
 class name, 59
 default translations, 61
 MenuPopdown routine, 61, 62
 positioning, **62**
 resources, 59
 SimpleMenu.h, 58
 simpleMenuWidgetClass, 59
 SimpleP.h, 46
 simpleWidgetClass, 46
 Sme object, 58, **65**
 class name, 66
 Highlight method, 66
 Notify method, 66
 subclassing, 66
 Unhighlight method, 66
 Sme.h, 65
 SmeBSB object, 58, **63**
 class name, 63
 resources, 63
 SmeBSB.h, 63
 smeBSBObjectClass, 63
 SmeBSBP.h, 63
 SmeLine object, 58, **65**
 class name, 65
 resources, 65, 66
 SmeLine.h, 65
 smeLineObjectClass, 65
 SmeLineP.h, 65
 smeObjectClass, 66
 SmeP.h, 65
 string conversions, **8**
 StringDefs.h, 13
 StripCharP.h, 48
 StripChart widget, 18, **48**
 class name, 48
 getting the value, 50
 getValue callback, **50**
 resources, 48
 StripChart.h, 48
 stripChartWidgetClass, 48
 subclassing, **132**
 superclass, **2**, 4

T

Text widget, 95, **96**
 actions, **75**
 class name, 96
 ConvertSelection, **102**

 customizing, **95**
 default key bindings, 72
 default translations, 81
 edit modes, 72
 file insertion, 74
 query replace, 73
 resources, 96
 search, 73
 Text Selections for Application Programmers, 80
 Text Selections for Users, 75
 User's Guide to the Text widget, 72
 Text.h, 96
 TextP.h, 96
 TextSink object, 95, **102**
 class name, 103
 ClearToBackground, **104**
 DisplayText, **103**
 FindDistance, **105**
 FindPosition, **104**
 GetCursorBounds, **107**
 InsertCursor, **104**
 MaxHeight, **106**
 MaxLines, **106**
 Resolve, **105**
 SetTabs, **106**
 subclassing, **103**
 TextSink.h, 102
 textSinkObjectClass, 103
 TextSinkP.h, 102
 TextSrc object, 96, **99**
 class name, 99
 Read, **100**
 Replace, **100**
 resources, 99
 Scan, **101**
 Search, **101**
 subclassing, **100**
 TextSrc.h, 99
 textSrcObjectClass, 99
 TextSrcP.h, 99
 textWidgetClass, 96
 Toggle widget, 18, **51**
 actions, 55
 class name, 51
 default translation table, 55
 resources, 51
 used in radio groups, 51
 Toggle.h, 51
 ToggleP.h, 51
 toggleWidgetClass, 51
 toolkit initialization, **6**
 Tree widget, 108, **126**
 class name, 126

constraint resources, 128
 convenience routines, 128
 layout semantics, 128
 TreeP.h, 126
 treeWidgetClass, 126
 type conversions, **8**

U

underlying model, **3**
 user, **2**
 using widgets, **6**

V

vertDistance, 113, 117
 Viewport widget, 108, **129**
 class name, 129
 layout semantics, 131
 resources, 129
 Viewport.h, 129
 ViewportP.h, 129
 viewportWidgetClass, 129

W

widget class, **3**
 widget creation, **7**
 widget programmer, **3**
 widget, **3**
 widgetClass, 132
 Window widget, 132
 WrapMode, 91, 99
 writing applications, 13

X

X11/Intrinsic.h, 13
 X11/Xaw/Command.h, 13
 X11/Xaw/Label.h, 13
 X11/Xaw/Template.c, 133, 135
 X11/Xaw/Template.h, 133
 X11/Xaw/TemplateP.h, 133, 134
 X11/Xlib.h, 13
 XawAsciiSave, **94**
 XawAsciiSaveAsFile, **94**
 XawAsciiSourceChanged, **94**
 XawAsciiSourceFreeString, **94**, 114
 XawChain, 113, 117
 XawChainBottom, 113, 117
 XawChainLeft, 113, 117
 XawChainRight, 113, 117
 XawChainTop, 113, 118

XawDialogAddButton, **114**
 XawDialogGetValueString, **114**
 XawEdgeType, 112, 116
 XawEditDone, 84, 101
 XawEditError, 84, 101
 XawFormDoLayout, **118**
 XawGripCallData, **24**, 25
 XawGripCallDataRec, **24**, 25
 XawListChange, **31**, 32
 XawListHighlight, **32**
 XawListReturnStruct, **31**, 32
 XawListShowCurrent, **32**
 XawListUnhighlight, **32**
 XawPanedAllowResize, **123**
 XawPanedGetMinMax, **124**
 XawPanedGetNumSub, **124**
 XawPanedSetMinMax, **123**
 XawPanedSetRefigureMode, **124**
 XawPositionError, 84, 101
 XawPositionSimpleMenu, **62**
 XawRubber, 112, 113, 117, 118
 XawScrollbarSetThumb, **45**
 XawScrollbarThumb, 45
 XawsdLeft, 101
 XawsdRight, 101
 XawselectAll, 80
 XawselectChar, 80
 XawselectLine, 80
 XawselectNull, 80
 XawselectParagraph, 80
 XawselectPosition, 80
 XawselectWord, 80
 XawSimpleMenuAddGlobalActions, **62**
 XawSimpleMenuClearActiveEntry, **63**
 XawSimpleMenuGetActiveEntry, **62**
 XawstAll, 101
 XawstEOL, 101
 XawstParagraph, 101
 XawstPositions, 101
 XawstWhiteSpace, 101
 XawtextAppend, 89, 93, 100
 XawTextBlock, **82**
 XawTextBlockPtr, 82
 XawTextDisableRedisplay, **85**
 XawTextDisplay, **85**
 XawTextDisplayCaret, **86**
 XawtextEdit, 89, 93, 100
 XawTextEnableRedisplay, **84**
 XawTextGetInsertionPoint, **86**
 XawTextGetSelectionPos, **83**
 XawTextGetSource, **86**
 XawTextInvalidate, **84**
 XawTextPosition, **82**

XawtextRead, 89, 93, 100
 XawTextReplace, 72, **83**
 XawtextResizeBoth, 90, 98
 XawtextResizeHeight, 90, 98
 XawtextResizeNever, 90, 98
 XawtextResizeWidth, 90, 98
 XawtextScrollAlways, 90, 98
 XawtextScrollNever, 90, 98
 XawtextScrollWhenNeeded, 90, 98
 XawTextSearch, **84**
 XawTextSearchError, 102
 XawTextSetInsertionPoint, **85**
 XawTextSetSelection, **83**
 XawTextSetSelectionArray, 80, **85**
 XawTextSetSource, **86**
 XawTextSinkClearToBackground, 103
 XawTextSinkDisplayText, 103
 XawTextSinkFindDistance, 103
 XawTextSinkFindPosition, 103
 XawTextSinkGetCursorBounds, 103
 XawTextSinkInsertCursor, 103
 XawTextSinkMaxHeight, 103
 XawTextSinkMaxLines, 103
 XawTextSinkResolve, 103
 XawTextSinkSetTabs, 103
 XawTextSourceConvertSelection, 100
 XawTextSourceRead, 100
 XawTextSourceReplace, 100
 XawTextSourceScan, 100
 XawTextSourceSearch, 100
 XawTextSourceSetSelection, 100
 XawTextTopPosition, 85
 XawTextUnsetSelection, **83**
 XawtextWrapLine, 91, 99
 XawtextWrapNever, 91, 99
 XawtextWrapWord, 91, 99
 XawToggleChangeRadioGroup, **56**
 XawToggleGetCurrent, **56**
 XawToggleSetCurrent, **56**
 XawToggleUnsetCurrent, **57**
 XawTreeForceLayout, **128**
 XawWMProtocols, 80
 XAW_LIST_NONE, 32
 xrb, 14
 XrmParseCommand, 7
 XtAddCallback, **12**, 13
 XtAddCallbacks, 12
 XtAppInitialize, **6**, 10, 13
 XtAppMainLoop, **10**, 13
 XtCallbackList, **12**
 XtCallbackProc, 12
 XtCallbackRec, **12**
 XtCreateManagedWidget, 7, 13
 XtCreateWidget, 10, 12
 XtDefaultBackground, 8, 9
 XtDefaultForeground, 8, 9
 XtDestroyWidget, **11**
 XtError, 7
 XtGetApplicationResources, 15
 XtGetValues, **11**, 12, 138
 XtInheritClearToBackground, 103, 104
 XtInheritConvertSelection, 100
 XtInheritDisplayText, 103
 XtInheritFindDistance, 103
 XtInheritFindPosition, 103
 XtInheritGetCursorBounds, 103
 XtInheritInsertCursor, 103
 XtInheritMaxHeight, 103
 XtInheritMaxLines, 103
 XtInheritRead, 100
 XtInheritReplace, 100
 XtInheritResolve, 103
 XtInheritScan, 100
 XtInheritSearch, 100
 XtInheritSetSelection, 100
 XtInheritSetTabs, 103
 XtManageChildren, **10**
 XtMapWidget, **10**
 XtMoveWidget, 108
 XtN, **13**
 XtNameToWidget, 114, 131
 XtNcallback, 13
 XtNinput, **5**
 XtNumber, 16, 17
 XtorientHorizontal, 43, **110**, 121
 XtorientVertical, 43, **110**, 121
 XtRealizeWidget, 7, **9**, 10, 13
 XtResizeWidget, 108
 XtSetArg, **16**
 XtSetLanguageProc, **6**
 XtSetMappedWhenManaged, **10**
 XtSetValues, **11**, 12, 108, 133, 134
 XtWindow, 138
 —
 _in_out, **3**
 _return, **3**