Appendix D - Table of UIL Objects

This appendix lists all of the objects supported by the User Interface Language (UIL). For each object, the table lists the corresponding widget or widgets in the Motif toolkit. The resources and callbacks for each object are the same as the resources and callbacks for the corresponding widget(s). UIL provides one additional callback, MrmNcreateCallback, for each object. This callback is invoked when the object is instantiated by the Motif Resource Manager (Mrm). The table also specifies the types of objects that can be children of a particular object, as well as the names and classes of any automatically-created children. For more information on each object, see the appropriate reference pages in Section 2, *Motif and Xt Widget Classes*.

UIL Object	Corresponding Motif Widget(s)	Allowable Children	Automatically Created Children	
			Name	Class
XmArrowButton	XmArrowButton	XmPopupMenu		
XmArrowButton-Gadget	XmArrowBut-tonGadget	none		
XmBulletinBoard	XmBullet-inBoard	all UIL objects		
XmBulletinBoard-Dialog	XmDialogShell with XmBullet-inBoard child	all UIL objects		
XmButtonBox	XmButtonBox	all UIL objects		
XmCascadeButton	XmCascadeBut-ton	XmPopupMenu XmPulldown-Menu		
XmCascadeButton-Gadget	XmCascadeBut-tonGadget	XmPulldown-Menu		
XmCheckBox	XmRowColumn	all UIL objects		
XmColumn	XmColumn	all UIL objects		
XmColorSelector	XmColorSelector	XmList XmToggleButton XmPopupMenu	Xm_List Xm_ColorList Toggle Xm_ColorSlide rsToggle	XmList XmToggleBut-ton XmToggleBut-ton

UIL Object	Corresponding Motif Widget(s)	Allowable Children	Automatically Created Children	
			Name	Class
XmComboBox	XmComboBox	none	Xm_List Xm_Text Xm_TextField	Xm_List Xm_Text Xm_TextField
XmCommand	XmCommand	XmPopupMenu		
XmContainer	XmContainer	all UIL objects[a]		
XmDataField	XmDataField	none		
XmDialogShell	XmDialogShell	XmBullet-inBoard XmCheckBox XmComboBox XmContainer XmDrawingArea XmFileSelec-tionBox XmForm XmFrame XmMessageBox XmNotebook XmPanedWin-dow XmRadioBox XmRenderTable XmRowColumn XmScale XmScrolledWin-dow XmSelectionBox XmSimpleSpin-Box XmSpinBox XmWorkArea		
XmDrawingArea	XmDrawingArea	all UIL objects		
XmDrawnButton	XmDrawnButton	XmPopupMenu		
XmDropDown	XmDropDown	XmPopupMenu XmLabel XmTextField XmList	Xm_Label Xm_Text Xm_Arrow Xm_List	XmLabel XmTextField XmArrowBut-ton XmList

UIL Object	Corresponding Motif Widget(s)	Allowable Children	Automatically Created Children	
			Name	Class
XmErrorDialog	XmDialogShell with XmMessageBox child	all UIL objects	Xm_Symbol Xm_Separator Xm_Message Xm_OK Xm_Cancel Xm_Help	XmLabel XmSeparator XmLabel XmPushButton XmPushButton XmPushButton
XmFileSelection-Box	XmFileSelection-Box	all UIL objects	Xm_Items Xm_ItemsList Xm_Separator Xm_OK Xm_Cancel Xm_Help Xm_FilterLabel Xm_FilterText Xm_DirList Xm_Dir Xm_Filter	XmLabel XmScrolledList XmSeparator XmPushButton XmPushButton XmPushButton XmLabel XmText XmScrolledList XmLabel XmPushButton
XmFileSelectionDialog	XmDialogShell with XmFileSelection-Box child	all UIL objects	Xm_Items Xm_ItemsList Xm_Separator Xm_OK Xm_Cancel Xm_Help Xm_FilterLabel Xm_FilterText Xm_DirList Xm_Dir Xm_Filter	XmLabel XmScrolledList XmSeparator XmPushButton XmPushButton XmPushButton XmLabel XmText XmScrolledList XmLabel XmPushButton
XmFontSelector	XmFontSelector	XmPopupMenu		
XmForm	XmForm	all UIL objects		
XmFormDialog	XmDialogShell with XmForm child	all UIL objects		
XmFrame	XmFrame	all UIL objects		
XmIconBox	XmIconBox	all UIL objects		

UIL Object	Corresponding Motif Widget(s)	Allowable Children	Automatically Created Children	
			Name	Class
XmIconButton	XmIconButton	XmPopupMenu XmDialogShell		
XmIconGadget	XmIconGadget	XmRenderTable		
XmInformationDialog	XmDialogShell with XmMessageBox child	all UIL objects	Xm_Symbol Xm_Separator Xm_Message Xm_OK Xm_Cancel Xm_Help	XmLabel XmSeparator XmLabel XmPushButton XmPushButton XmPushButton
XmLabel	XmLabel	XmPopupMenu XmRenderTable		
XmLabelGadget	XmLabelGadget	XmRenderTable		
XmList	XmList	XmPopupMenu XmRenderTable		
XmMainWindow	XmMainWindow	all UIL objects	Xm_Separator1 Xm_Separator2 Xm_Separator3	XmSeparator XmSeparator XmSeparator
XmMenuBar	XmRowColumn	XmCascadeButton XmCascadeButtonGadget XmDrawnButton XmLabel XmLabelGadget XmPopupMenu XmPulldownMenu XmPushButton XmPushButtonGadget XmSeparator XmSeparatorGadget XmToggleButton XmToggleButtonGadget user_defined object		

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UIL Object	Corresponding Motif Widget(s)	Allowable Children	Automatically Created Children	
			Name	Class
XmMenuShell	XmMenuShell	XmRenderTable XmRowColumn		
XmMessageBox	XmMessageBox	all UIL objects	Xm_Symbol Xm_Separator Xm_Message Xm_OK Xm_Cancel Xm_Help	XmLabel XmSeparator XmLabel XmPushButton XmPushButton XmPushButton
XmMessageDialog	XmDialogShell with XmMessageBox child	all UIL objects	Xm_Symbol Xm_Separator Xm_Message Xm_OK Xm_Cancel Xm_Help	XmLabel XmSeparator XmLabel XmPushButton XmPushButton XmPushButton
XmMultiList	XmMultiList	XmLabel XmPushButton XmText XmPopupMenu	Xm_Title Xm_Find Xm_FindText	XmLabel XmPushButton XmText
XmNotebook	XmNotebook	all UIL objects	[b]	
XmOptionMenu	XmRowColumn	XmPulldown-Menu	Xm_OptionLabel Xm_OptionButton	XmLabelGadget XmCascade-ButtonGadget
XmOutline	XmOutline	all UIL objects		
XmPaned	XmPaned	all UIL objects		
XmPanedWindow	XmPanedWindow	all UIL objects		

UIL Object	Corresponding Motif Widget(s)	Allowable Children	Automatically Created Children	
			Name	Class
XmPopupMenu	XmDialogShell with XmRowColumn child	XmCascadeButton XmCascadeButtonGadget XmDrawnButton XmLabel XmLabelGadget XmPushButton XmPushButtonGadget XmSeparator XmSeparatorGadget XmToggleButton XmToggleButtonGadget user_defined object		
XmPromptDialog	XmDialogShell with XmSelectionBox child	all UIL objects	Xm_Items Xm_ItemsList Xm_Selection Xm_Text Xm_Separator Xm_OK Xm_Cancel Xm_Help Xm_Apply	XmLabel XmScrolledList XmLabel XmText XmSeparator XmPushButton XmPushButton XmPushButton XmPushButton

UIL Object	Corresponding Motif Widget(s)	Allowable Children	Automatically Created Children	
			Name	Class
XmPulldownMenu	XmDialogShell with XmRowColumn child	XmCascadeButton XmCascadeButtonGadget XmDrawnButton XmLabel XmLabelGadget XmPushButton XmPushButtonGadget XmSeparator XmSeparatorGadget XmToggleButton XmToggleButtonGadget user_defined object	Xm_TearOffControl	XmTearOffButton
XmPushButtonGadget	XmPushButtonGadget	none		
XmQuestionDialog	XmDialogShell with XmMessageBox child	all UIL objects	Xm_Symbol Xm_Separator Xm_Message Xm_OK Xm_Cancel Xm_Help	XmLabel XmSeparator XmLabel XmPushButton XmPushButton XmPushButton
XmRadioBox	XmRowColumn	all UIL objects		
XmRenderTable	(pseudo-object)	XmRendition		
XmRendition	(pseudo-object)	XmTabList		
XmRowColumn	XmRowColumn	all UIL objects		
XmScale	XmScale	all UIL objects	Xm_Title	XmLabel
XmScrollBar	XmScrollBar	XmPopupMenu		
XmScrolledList	XmScrolledWindow with XmList child	XmPopupMenu XmRenderTable	Xm_VertScrollBar Xm_HorScrollBar	XmScrollBar XmScrollBar

| UIL Object | Corresponding Motif Widget(s) | Allowable Children | Automatically Created Children | |
			Name	Class
XmScrolledText	XmScrolledWindow with XmText child	XmPopupMenu XmRenderTable	Xm_VertScrollBar Xm_HorScrollBar	XmScrollBar XmScrollBar
XmScrolledWindow	XmScrolledWindow	all UIL objects	Xm_VertScrollBar Xm_HorScrollBar	XmScrollBar XmScrollBar
XmSelectionBox	XmSelectionBox	all UIL objects	Xm_Items Xm_ItemsList Xm_Selection Xm_Text Xm_Separator Xm_OK Xm_Cancel Xm_Help Xm_Apply	XmLabel XmScrolledList XmLabel XmText XmSeparator XmPushButton XmPushButton XmPushButton XmPushButton
XmSelectionDialog	XmDialogShell with XmSelectionBox child	all UIL objects	Xm_Items Xm_ItemsList Xm_Selection Xm_Text Xm_Separator Xm_OK Xm_Cancel Xm_Help Xm_Apply	XmLabel XmScrolledList XmLabel XmText XmSeparator XmPushButton XmPushButton XmPushButton XmPushButton
XmSeparator	XmSeparator	XmPopupMenu		
XmSeparatorGadget	XmSeparatorGadget	none		
XmSimpleSpinBox	XmSimpleSpinBox	XmTextField		
XmSpinBox	XmSpinBox	all UIL objects		
XmTab	(pseudo-object)	none		
XmTabBox	XmTabBox	all UIL objects	XmPopupMenu	
XmTabList	(pseudo-object)	XmTab		

UIL Object	Corresponding Motif Widget(s)	Allowable Children	Automatically Created Children	
			Name	Class
XmTabStack	XmTabStack	all UIL objects		
XmTearOffButton	none	XmPopupMenu		
XmTearOffControl	XmTearOffBut-ton	none		
XmTemplateDialog	XmDialogShell with XmMessageBox child	all UIL objects	Xm_Symbol Xm_Separator Xm_Message Xm_OK Xm_Cancel Xm_Help	XmLabel XmSeparator XmLabel XmPushButton XmPushButton XmPushButton
XmText	XmText	XmPopupMenu XmRenderTable		
XmTextField	XmTextField	XmPopupMenu XmRenderTable		
XmToggleButton	XmToggleButton	XmPopupMenu		
XmToggleButton-Gadget	XmToggleBut-tonGadget	none		
XmTree	XmTree	all UIL objects		
XmWarningDialog	XmDialogShell with XmMessageBox child	all UIL objects	Xm_Symbol Xm_Separator Xm_Message Xm_OK Xm_Cancel Xm_Help	XmLabel XmSeparator XmLabel XmPushButton XmPushButton XmPushButton
XmWorkArea	XmRowColumn	all UIL objects		
XmWorkingDialog	XmDialogShell with XmMessageBox child	all UIL objects	Xm_Symbol Xm_Separator Xm_Message Xm_OK Xm_Cancel Xm_Help	XmLabel XmSeparator XmLabel XmPushButton XmPushButton XmPushButton

a. Surely a mistake. The Container is designed for IconGadget children only.
b. No access to the abstract ArrowButton and SpinBox controls.

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