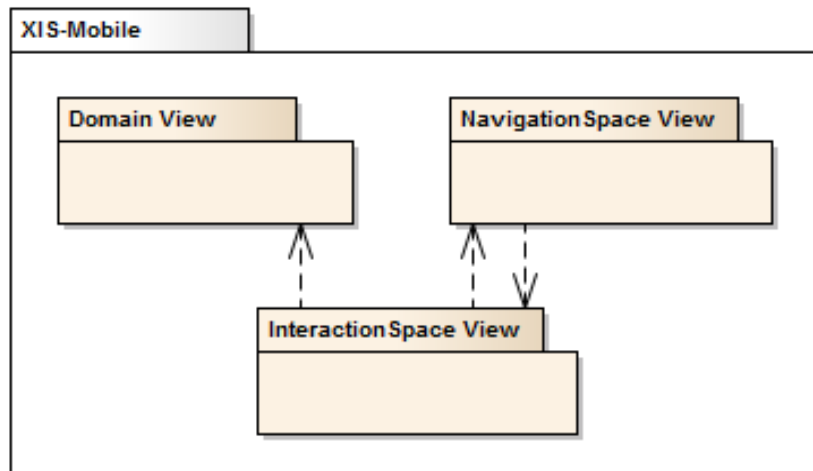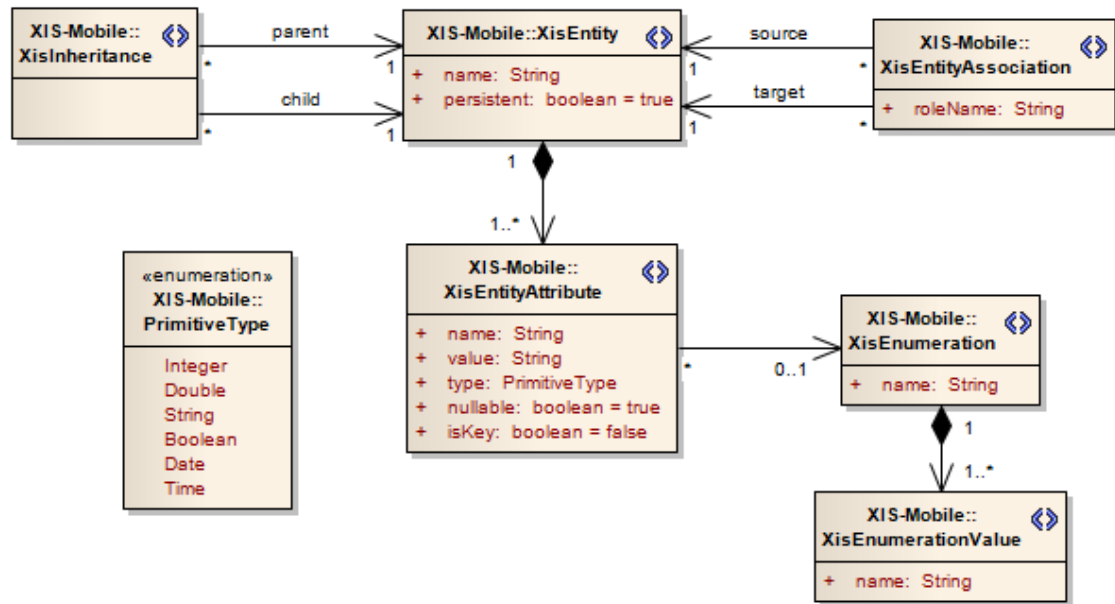# XIS-Mobile Profile Specification

XIS-Mobile UML Profile comprises five types of views: Domain View, BusinessEntity View, Architectural View, InteractionSpace View and NavigationSpace View.

1. Domain View

Stereotype	Metaclass
XisEntity	Class
XisEntityAttribute	Property
XisEnumeration	Enumeration
XisEnumerationValue	EnumerationLiteral
XisEntityAssociation	Association
XisInheritance	Generalization

XisEntity		
Represents a domain entity.		
Tagged Value	**Type**	**Description**
name	String	Specifies the name of the domain entity.
persistent	Boolean	Specifies if the entity should be persisted or not.

XisEntityAttribute		
Represents an attribute or property of a domain entity.		
Tagged Value	**Type**	**Description**
name	String	Specifies the name of the attribute.
value	String	Assigns a value to the entity attribute.
type	PrimitiveType	Specifies the type of the domain entity.
nullable	Boolean	Specifies if the attribute can

		be null.
isKey	Boolean	Specifies if the attribute is a key.

XisEnumeration		
Represents an enumeration that can be used as an attribute of a domain entity.		
Tagged Value	**Type**	**Description**
name	String	Specifies the identifier of the enumeration.

XisEnumerationValue		
Represents an enumeration literal, i.e., a possible value of an enumeration.		
Tagged Value	**Type**	**Description**
name	String	Specifies the identifier of the enumeration value.

XisEntityAssociation		
Associates two domain entities.		
Tagged Value	**Type**	**Description**
name	String	Specifies the identifier of the domain entity.

XisInheritance
Represents a generalization between two domain entities (a parent and their child).

2. InteractionSpace View
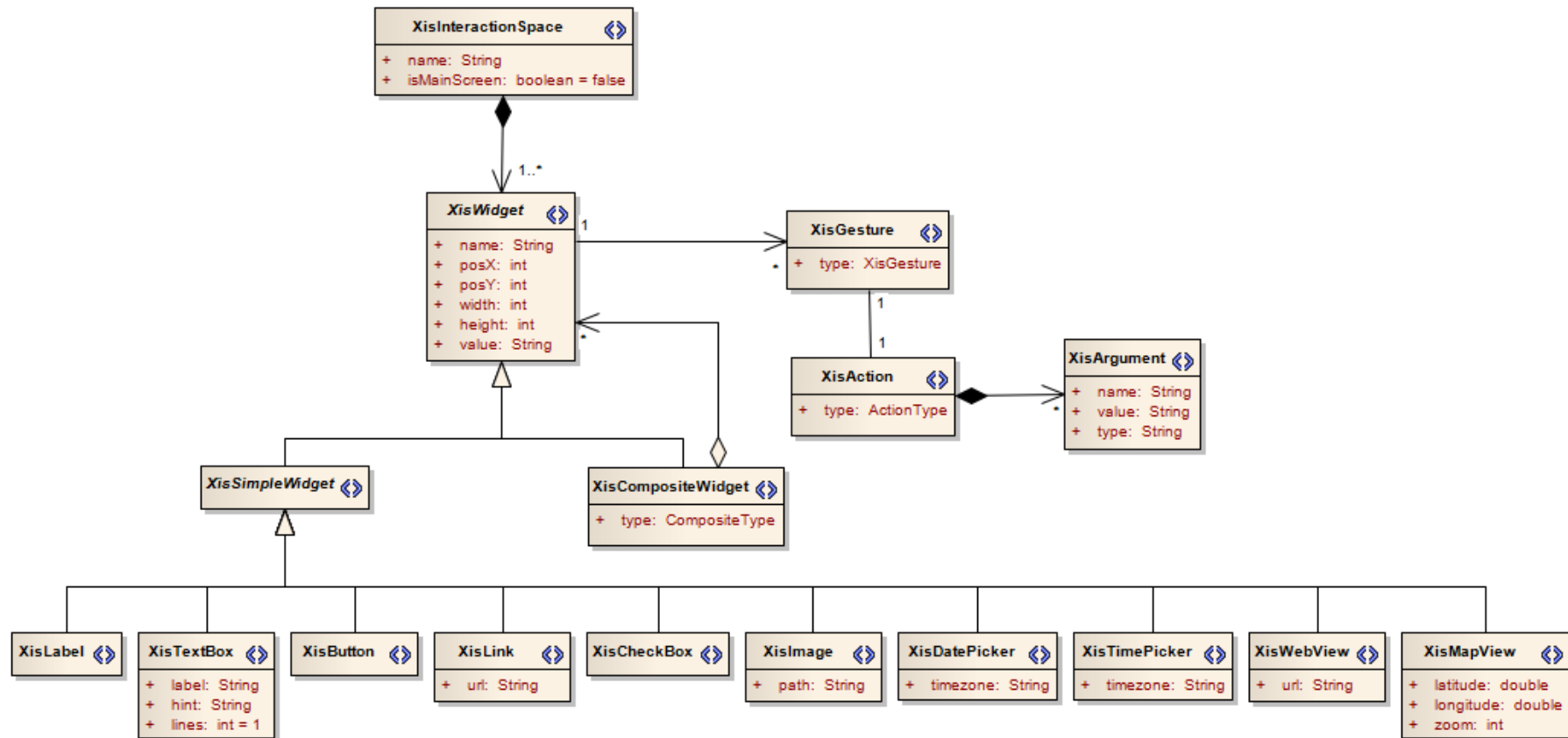
Stereotype	Metaclass
XisInteractionSpace	Class
XisWidget	Class
XisCompositeWidget	XisWidget
XisSimpleWidget	XisWidget
XisLabel	XisSimpleWidget
XisTextBox	XisSimpleWidget
XisButton	XisSimpleWidget
XisLink	XisSimpleWidget
XisCheckBox	XisSimpleWidget
XisImage	XisSimpleWidget
XisDatePicker	XisSimpleWidget
XisTimePicker	XisSimpleWidget
XisWebView	XisSimpleWidget
XisMapView	XisSimpleWidget
XisGesture	Class
XisAction	Operation
XisArgument	Parameter

XisInteractionSpace		
Represents an application screen.		
Tagged Value	**Type**	**Description**
name	String	Specifies the identifier of the interaction space.
isMainScreen	Boolean	Specifies if the screen is the first one presented when the application starts.

XisWidget		
Represents a UI widget or control of a XisInteractionSpace.		
Tagged Value	**Type**	**Description**
name	String	Specifies the identifier of the widget.
posX	Double	Horizontal position of the widget.
posY	Double	Vertical position of the widget.
width	Double	Specifies the width of the widget.
height	Double	Specifies the height of the widget.
value	String	Assigns a value to the widget.

XisCompositeWidget		
Represents a UI widget composed of other widgets.		
Tagged Value	**Type**	**Description**
type	CompositeWidgetType	Specifies the type of the composite element: List, Menu, Context Menu, Group, Item or Tab.

XisLabel
Represents a label.

XisTextBox		
Represents a textbox.		
Tagged Value	**Type**	**Description**
label	String	Specifies the label of the textbox.
hint	String	Specifies the hint of the textbox.
lines	Integer	Specifies the number of lines of the textbox.

XisButton
Represents a button.

XisLink		
Represents a link.		
Tagged Value	**Type**	**Description**
url	String	Specifies the link's destination.

XisCheckBox
Represents a checkbox.

XisImage		
Represents an image.		
Tagged Value	**Type**	**Description**
path	String	Specifies the image's location.

XisDatePicker		
Represents a date picker.		
Tagged Value	**Type**	**Description**
timezone	String	Specifies the used timezone. If this value is null, the device's timezone will be used.

XisTimePicker		
Represents a time picker.		
Tagged Value	**Type**	**Description**
timezone	String	Specifies the used timezone. If this value is null, the device's timezone will be used.

XisWebView

Represents a web view.		
Tagged Value	**Type**	**Description**
url	String	Specifies the address of the web site accessed.

XisMapView		
Represents a Google Map's view.		
Tagged Value	**Type**	**Description**
latitude	Double	Specifies the latitude of the center of the map.
longitude	Double	Specifies the longitude of the center of the map.
zoom	Integer	Specifies the zoom of the map.

XisGesture		
Represents a gesture attached to a UI widget.		
Tagged Value	**Type**	**Description**
name	String	Specifies the name of the gesture.
type	GestureType	Specifies the type of gesture: Tap, DoubleTap, LongTap, Swipe, Pinch or Stretch.

XisAction		
Represents an action triggered by a gesture.		
Tagged Value	**Type**	**Description**
name	String	Specifies the name of the action.
type	ActionType	Specifies the type of the action: Cancel, NavigateTo, Save, Delete, ZoomIn, ZoomOut or Custom.

XisArgument		
Represents an argument of an action.		
Tagged Value	**Type**	**Description**
name	String	Specifies the name of the argument.
value	String	Specifies the value of the argument.
type	String	Specifies the type of the argument.

3. NavigationSpace View
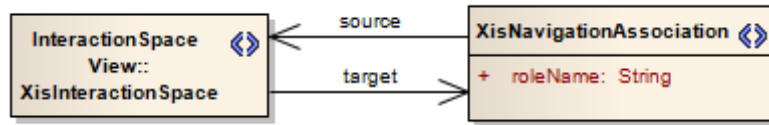
Stereotype	Metaclass
XisNavigationAssociation	Association

XisNavigationAssociation		
Defines the transitions between XisInteractionSpaces.		
Attribute	**Type**	**Description**
actionName	String	Specifies the name of the action which triggered the navigation.