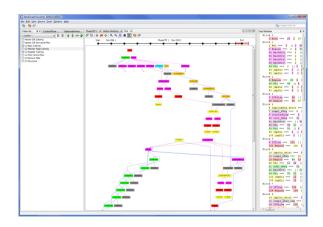


NetBeans Visual Library



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Introduction



- Visualization library
- Light-weight window system
- Based on Java2D

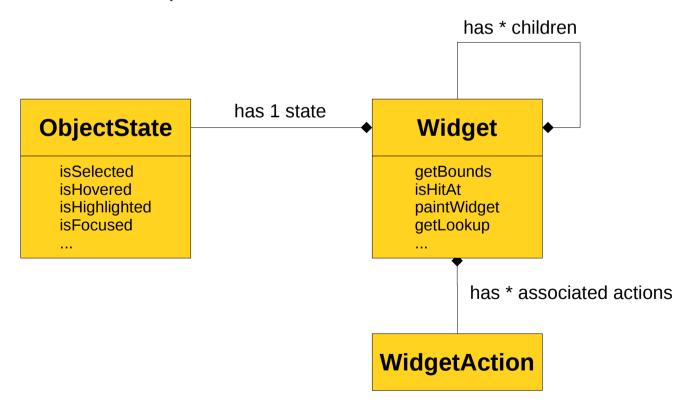
Important concepts:

- Widget
- WidgetAction
- ConnectionWidget and Anchor
- Specialized Scene

Widget



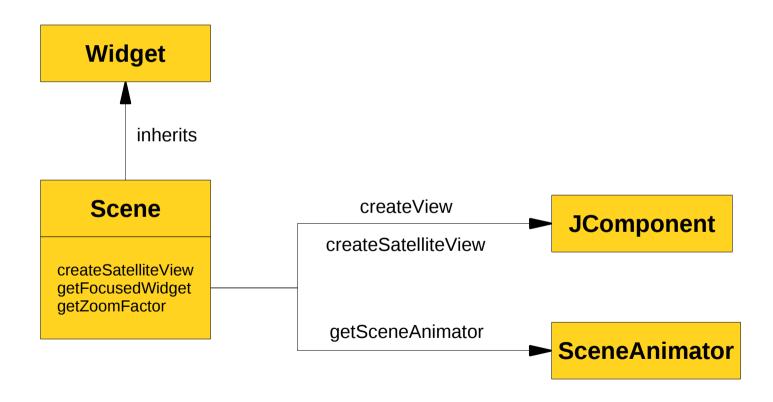
- Light-weight graphical component
- Tree hierarchy similar to Swing components
- Efficient validation / repaint mechanisms



Scene



- Top-level widget
- Displayed in Swing component



WidgetAction



WidgetAction chain associated with component

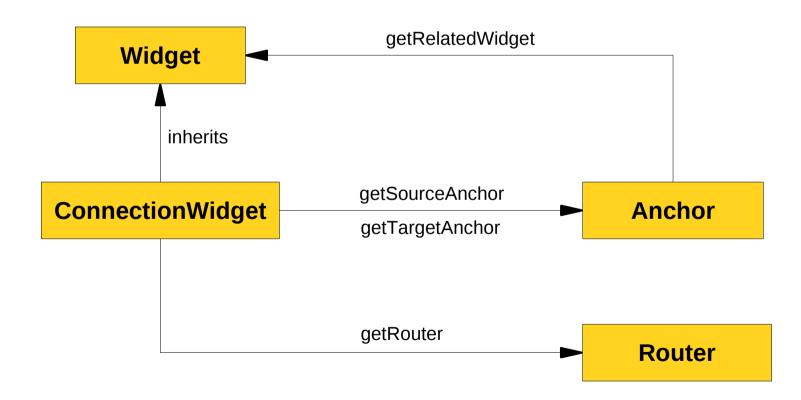


- ActionFactory for creating predefined actions:
- createZoomAction
- createPanAction
- createWheelPanAction
- createSelectAction
- createResizeAction
- createMoveAction

Connection

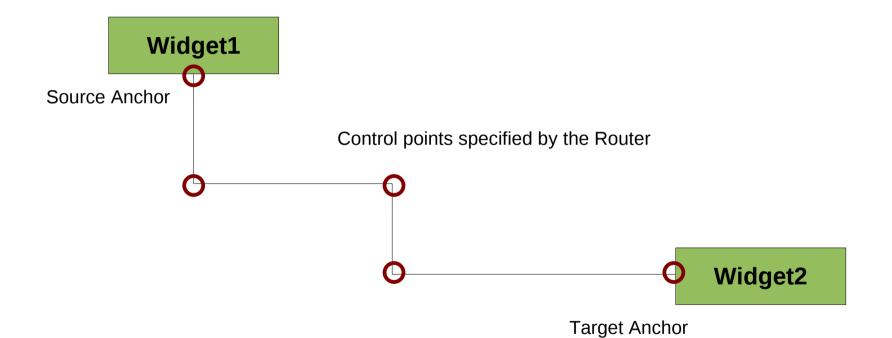


- Top-level widget
- Displayed in Swing component





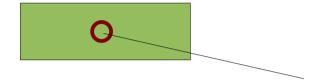




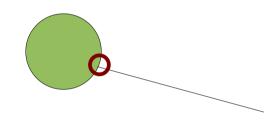
Anchor Types



Center Anchor



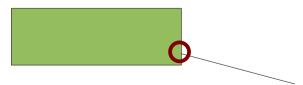
Circular Anchor



Fixed Anchor



• Rectangular Anchor





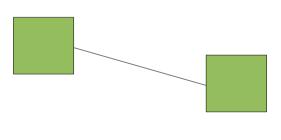


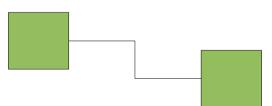
Router

List<Point> routeConnection(ConnectionWidget widget)

Direct Router

Orthogonal Router

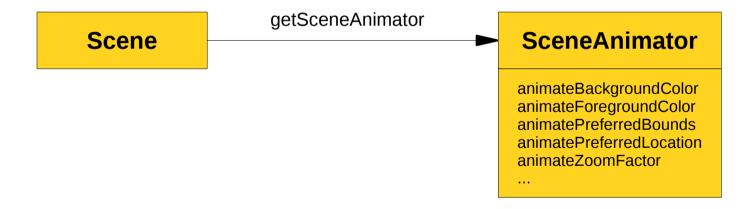




SceneAnimator



• Create animations on widgets



Specialized Scene



