

HorizontalLayout

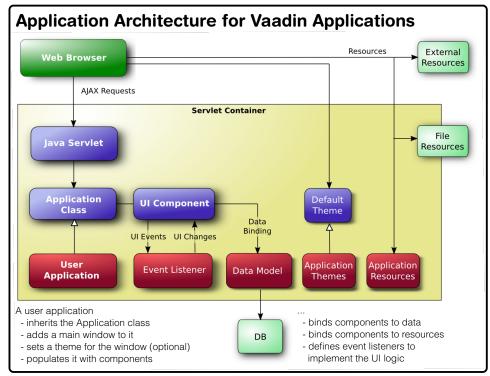
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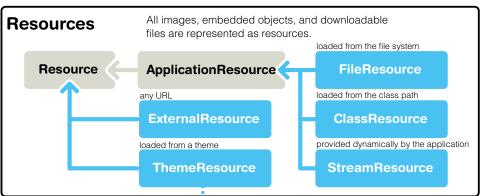
VerticalLayout

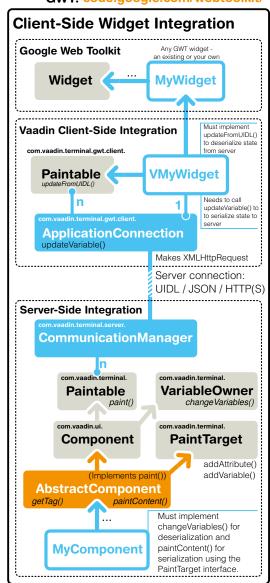
The Class Diagram presents all user interface component classes and the most important interfaces, relationships, and methods.

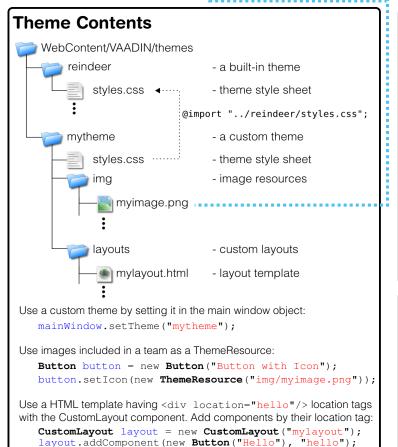
Developer site: dev.vaadin.com Website: vaadin.com Forum: vaadin.com/forum Manual: vaadin.com/book **Server-Side Components Data Model** Ordered Indexed Viewer **Container** Filterable Sortable Legend **Interface** Editor addItem() Inner Inherits or Hierarchical **IndexedContainer** implements Abstract Class Class **Item** Viewer **Editor** addItemProperty() HierarchicalContainer abstractMethod() (must or may implement) **Property** Viewer ValueChangeEvent VariableOwner **Paintable** paint() changeVariables() setDebugld() **Editor** ValueChangeListener valueChange() commit/discard() **Sizeable** setWriteThrough() focus() **Buffered** setReadThrough() setTabIndex() setWidth() **Focusable** setHeight() setFullSize() **BufferedValidatable Field** Validatable **Event** Component setUndefinedSize() Listener addStyleName/Listener() setRequired() addValidator() setCaption/Icon() setRequiredError() isValid() **Embedded** buttonClick() setEnabled/Visible() validate() ClickListener getParent(), attach/detach() ClickEvent **AbstractComponent AbstractField Button CheckBox** Link setDescription() setImmediate() Label **TextField RichTextArea ProgressIndicator** setRows/Columns/Secret/InputPrompt/MaxLength() setPollingInterval/Indeterminate() **Upload** MenuBar DateField (**InlineDateField** Menultem Command Slider LoginForm addltem() setResolution() addComponent() setOrientation/Resolution() **Buffered** setMin/Max() PopupDateField ComponentContainer Validatable **Form CustomComponent** Item Editor setLayout() setFormFieldFactory() setCompositionRoot() setContent() **ComboBox** AbstractComponentContainer AbstractSelect (Select **Panel** setMultiSelect() addTab() **PopupView** ListSelect Window **TabSheet** setVisible/Enabled() 1 setMainWindow() setCaption/Icon() createField() setDescription() Your **NativeSelect FormFieldFactory Application Accordion Application** setTheme/Locale/LogoutURL() **ComponentPosition TwinColSelect DefaultFieldFactory AbstractLayout AbsoluteLayout** Layout setMargin() getPosition() **TableFieldFactory OptionGroup CustomLayout SplitPanel GridLayout** createField() ColumnGenerator CustomLayout("template") setSplitPosition/Locked() addComponent(c)/(c, col, row)/(c, c1, r1, c2, r2) setTableFieldFactory() **Table** Container.Ordered Container.Sortable **FormLayout AbstractOrderedLayout** CellStyleGenerator Tree Container.Hierarchical

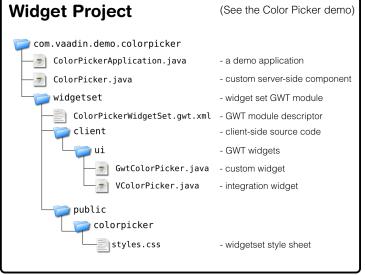
GWT: code.google.com/webtoolkit/











```
Hello, World!
public class MyApp extends com.vaadin.Application {
   public void init() {
      Window main = new Window("Hello Window");
      setMainWindow(main);

      main.setTheme("mytheme"); // Optional

      Label label = new Label("Hello, World!");
      main.addComponent(label);
   }
}
```