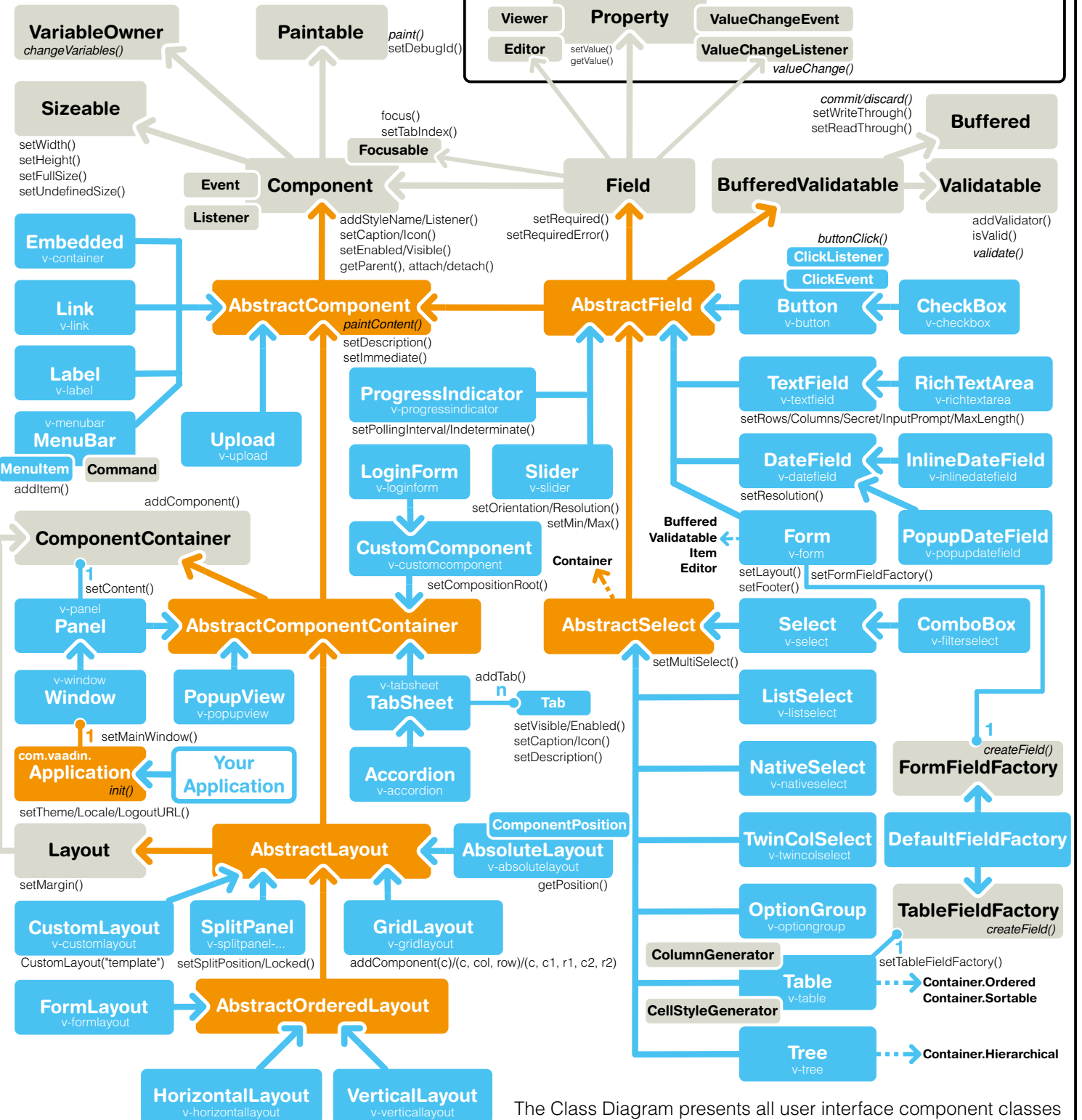
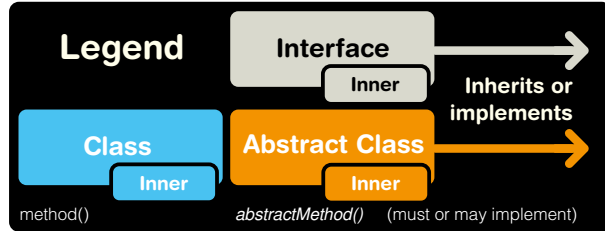
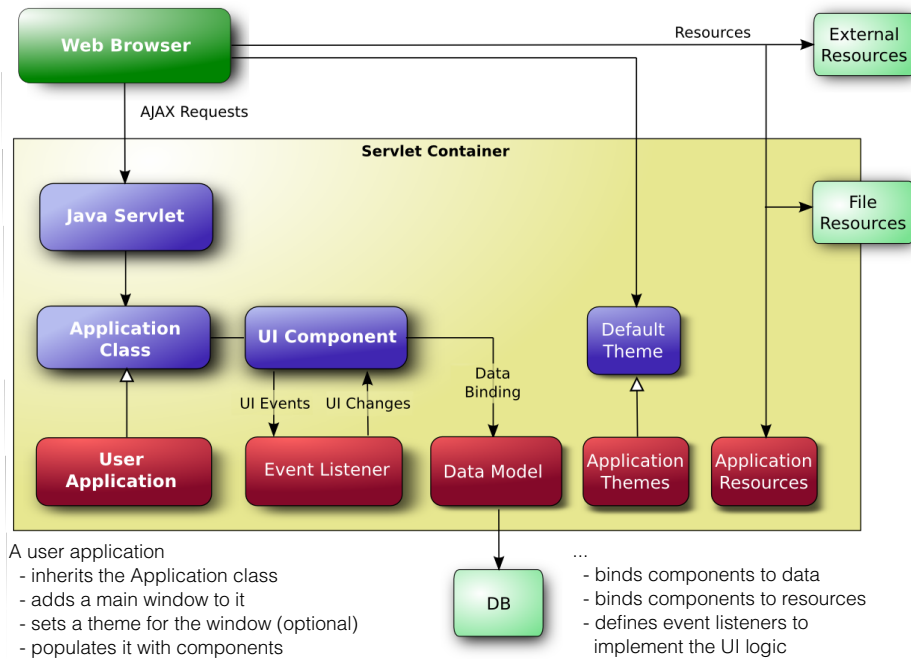


Server-Side Components



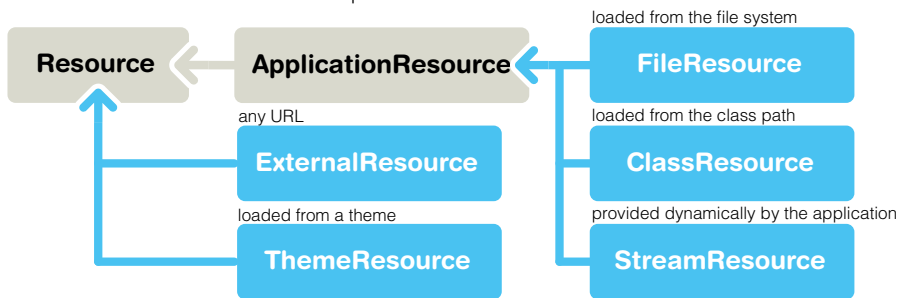
The Class Diagram presents all user interface component classes and the most important interfaces, relationships, and methods.

Application Architecture for Vaadin Applications

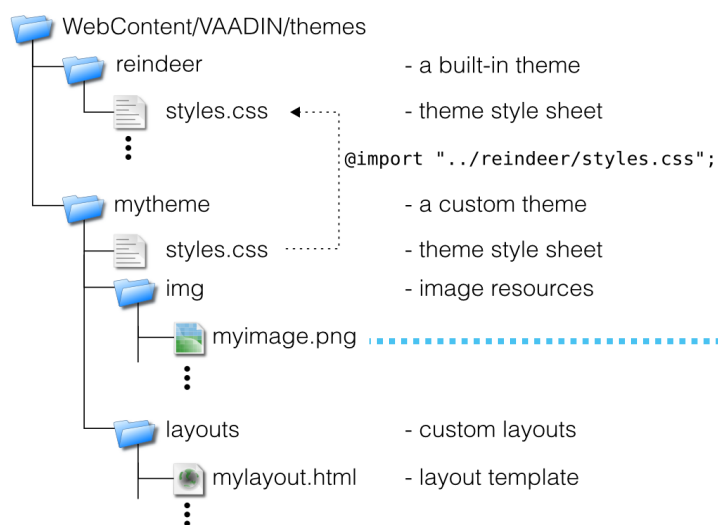


Resources

All images, embedded objects, and downloadable files are represented as resources.



Theme Contents



Use a custom theme by setting it in the main window object:

```
mainWindow.setTheme("mytheme");
```

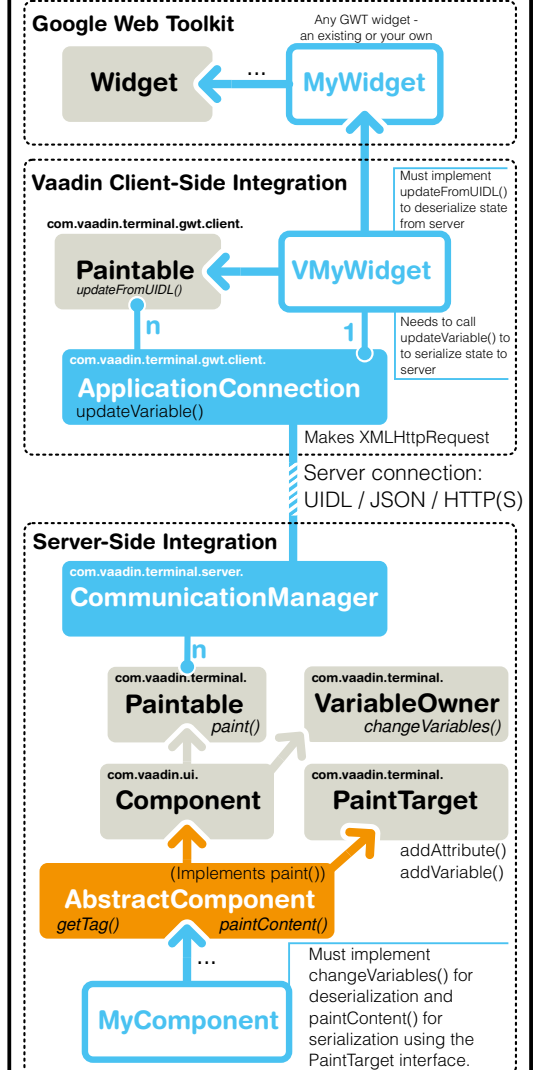
Use images included in a theme as a ThemeResource:

```
Button button = new Button("Button with Icon");
button.setIcon(new ThemeResource("img/myimage.png"));
```

Use a HTML template having `<div location="hello"/>` location tags with the CustomLayout component. Add components by their location tag:

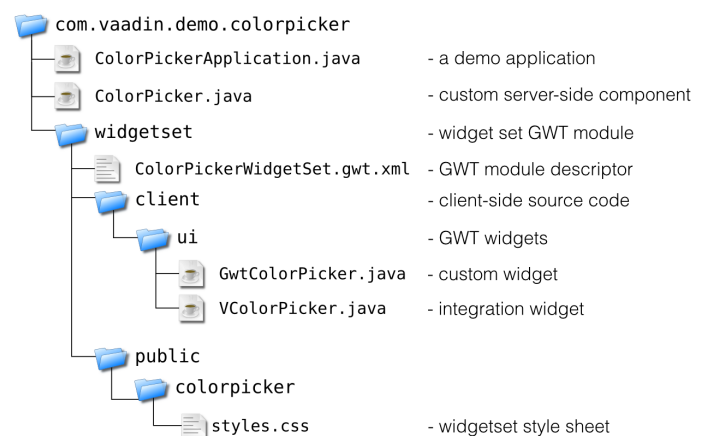
```
CustomLayout layout = new CustomLayout("mylayout");
layout.addComponent(new Button("Hello"), "hello");
```

Client-Side Widget Integration



Widget Project

(See the Color Picker demo)



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);
    }
}
```