

# How do I?



theme.res - Codename One Designer

Override In Platform: [Base Resource]

Themes

Add A New Theme

Theme

Filter Border Wizard Form: Default Demo

Unselected Selected Pressed Disabled

Selector Value

[Default Style] Preview

# Understanding Themes



This is a Label

This is a Button

This is a MultiButton

Second line of text

This is a TextField

This is a CheckBox

This is a Radio Button 1

This is a Radio Button 2

50%

Show a Dialog

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Preview Theme ? :

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Selector Value

[Default Style] Preview

GUI Builder

Main Images

All Images

Multi-Images

SVG Images

Timeline Images

Fonts

Localization

Form: Default Demo Simulator Advanced Options

Preview Theme

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50%

Show a Dialog

Add Edit Remove Styles

Component

Button

Unselected

Component Help

Video Tutorial

anced Options

[Background](#) [Color](#) [Alignment](#) [Padding](#) [Margin](#) [Border](#) [Derive](#) [Font](#) [Help](#)

**Notice:** If a border is defined the background will have no effect! Set the border property to Empty to override the border of a base style

[Derive Help](#)[Background Help](#) DeriveType Image  [...](#)Gradient  [...](#)  [...](#)Gradient X/Y  [...](#)  [...](#)Gradient Size  [...](#)

Preview

[Preview](#)

Cancel

OK

Background Color Alignment Padding Margin Border Derive Font Help

**Notice:** If a border is defined the background will have no effect! Set the border property to Empty to override the border of a base style

Derive Help

**Notice:** some types of backgrounds might override the background color.  
Transparency should be 255 to achieve full opacity

Color Help

Derive Foreground

Foreground ff0000 

Derive Background

Background ff10 

Derive Transparency

Transparency 255 

### Preview



Cancel

OK

Component

Button

Unselected

Component Help

Video Tutorial

anced Options

Background Color Alignment Padding Margin Border Derive Font Help

Derive

Derive Help

Alignment Center

Alignment Help

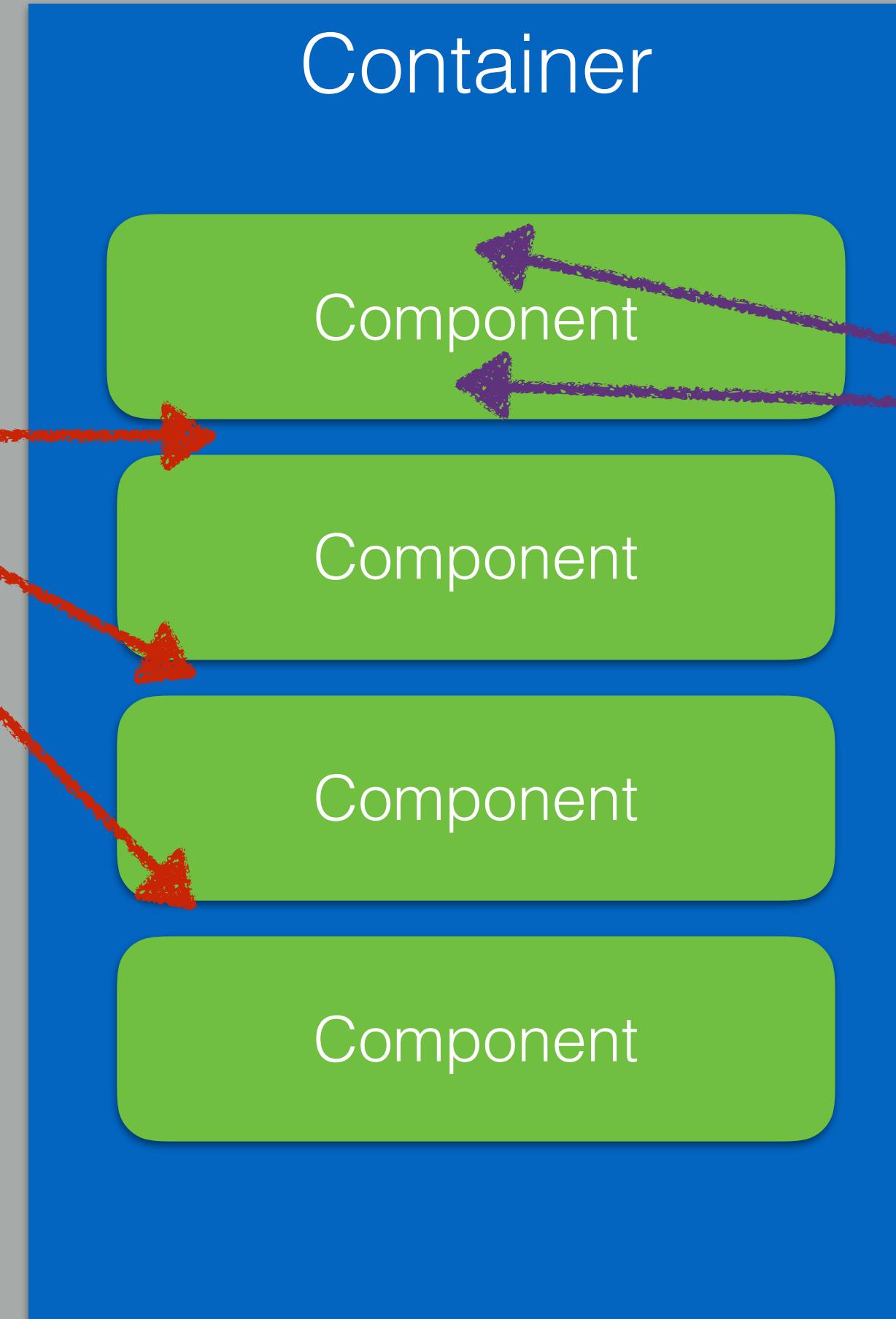
Preview

Preview

Cancel

OK

Margin:  
The space  
between the  
components...



Padding:  
The spacing  
within the  
components...

Component

Button

Unselected

Component Help

Video Tutorial

anced Options

[Background](#) [Color](#) [Alignment](#) [Padding](#) [Margin](#) [Border](#) [Derive](#) [Font](#) [Help](#) Derive[Derive Help](#)Left  Millimeters (approximate) [Margin Help](#)Right  Millimeters (approximate) Top  Millimeters (approximate) Bottom  Millimeters (approximate) 

Preview

Preview

Cancel

OK

Component

Button

Unselected

Component Help

Video Tutorial

anced Options

Background

Color

Alignment

Padding

Margin

Border

Derive

Font

Help

Override Attribute

Derive Help

Unselected

Please note that deriving to/from builtin components e.g. Button, TextField etc. is unreliable due to cyclic dependencies

Preview

Preview

Cancel

OK

theme.res - Codename One Designer

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Form: Default Demo Simulator Advanced Options

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[Default Style] Preview

Button Preview

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Show a Dialog

GUI Builder

Main Images

All Images

Multi-Images

SVG Images

Timeline Images

## Edit

Component

Button

Unselected

Component Help

Video Tutorial

Advanced Options

Background

Color

Alignment

Padding

Margin

Border

Derive

Font

Help

**Notice:** If a border is defined the background will have no effect! Set the border property to Empty to override the border of a base style

Derive Help

Background Help

 Derive

Type

IMAGE\_SCALED

Image

[null]

...

Gradient

000000

...

000000

...

Gradient X/Y

0.5

0.5

Gradient Size

1

Preview

Preview

Override in Platform: [Base Resource]

Themes

Add A New Theme

Theme

Filter Border Wizard

Form: Default Demo Simulator Advanced Options

Unselected Selected Pressed Disabled ►

Selector	Value
[Default Style]	Preview
Button	Preview

≡ Preview Theme ? :

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Localization

Add Edit Remove Styles

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Form: Default Demo

Simulator

Advanced Options

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Selector	Value
[Default Style]	Preview
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Fonts

Localization

```
-  
public void start() {  
    if(current != null){  
        current.show();  
        return;  
    }  
    Form hi = new Form("Theme", BoxLayout.y());  
    Button b = new Button("Button");  
    hi.add(b);  
    hi.show();  
}  
  
-  
public void stop() {  
    current = Display.getInstance().getCurrent();  
    if(current instanceof Dialog) {  
        ((Dialog)current).dispose();  
        current = Display.getInstance().getCurrent();  
    }  
}
```

The screenshot shows a Java IDE interface with the following details:

- Toolbar:** Includes icons for file operations (New, Open, Save, Print), project management (Projects, Files, Services), and system controls (Search, Help, Exit).
- Project Explorer:** Shows a project named "ThemeTutorial" with the following structure:
  - Source Packages:
    - <default package>
      - theme.res
    - com.mycompany.myapp
      - MyApplication.java
  - Test Packages
  - Libraries
  - Test Libraries
- Code Editor:** The active file is "MyApplication.java". The code implements a theme application with start() and stop() methods.

```
public void start() {
    if(current != null){
        current.show();
        return;
    }
    Form hi = new Form("Theme", BoxLayout.y());
    Button b = new Button("Button");
    hi.add(b);
    hi.show();
}

public void stop() {
    current = Display.getInstance().getCurrent();
    if(current instanceof Dialog) {
        ((Dialog)current).dispose();
        current = Display.getInstance().getCurrent();
    }
}
```
- Toolbars:** Standard Java toolbars for navigation, search, and file operations.

Override in Platform: [Base Resource]

Themes

Add A New Theme

Theme

Filter Border Wizard

Form: Default Demo Simulator Advanced Options

Unselected Selected Pressed Disabled ►

Selector	Value
[Default Style]	Preview
Button	Preview

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Show a Dialog

GUI Builder

Main Images

All Images

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SVG Images

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Fonts

Localization

Add Edit Remove Styles

Component RedButton

Unselected

Component Help

Video Tutorial

anced Options

Background Color Alignment Padding Margin Border Derive Font Help

Override Attribute

Derive Help

Button

Unselected

Please note that deriving to/from builtin components e.g. Button, TextField etc. is unreliable due to cyclic dependencies

Preview



Preview

Cancel

OK

Background Color Alignment Padding Margin Border Derive Font Help

**Notice:** If a border is defined the background will have no effect! Set the border property to Empty to override the border of a base style

Derive Help

**Notice:** some types of backgrounds might override the background color.  
Transparency should be 255 to achieve full opacity

Color Help

Derive Foreground

Foreground ffffff ...

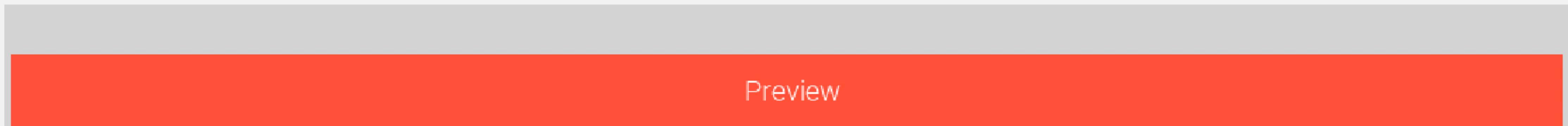
Derive Background

Background ff3333 ...

Derive Transparency

Transparency  ^

### Preview



Cancel

OK

Background     Color    Alignment    Padding    Margin    Border     Derive    Font    Help

**Notice:** If a border is defined the background will have no effect! Set the border property to Empty to override the border of a base style

Derive Help

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Color Help

Derive Foreground

Foreground  ...

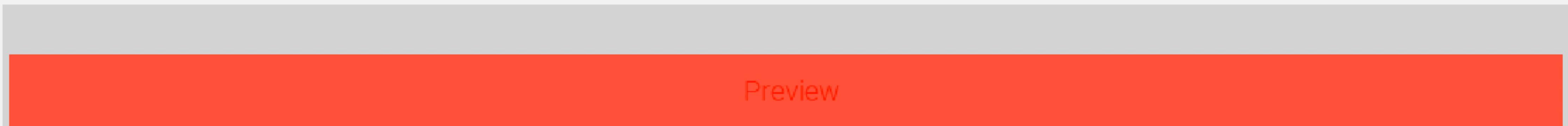
Derive Background

Background  ...

Derive Transparency

Transparency  ^

### Preview



Cancel

OK

Override in Platform: [Base Resource]

Themes

Add A New Theme

Theme

Filter Border Wizard

Form: Default Demo Simulator Advanced Options

Unselected Selected Pressed Disabled ►

Selector	Value
[Default Style]	Preview
Button	Preview
RedButton	Preview

≡ Preview Theme ? :

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Show a Dialog

GUI Builder

Main Images

All Images

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Timeline Images

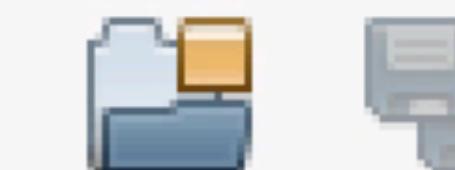
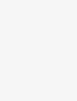
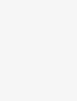
Fonts

Localization

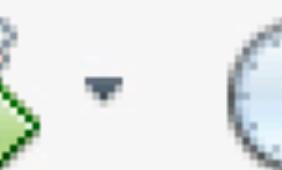
Add Edit Remove Styles

```
-  
public void start() {  
    if(current != null){  
        current.show();  
        return;  
    }  
    Form hi = new Form("Theme", BoxLayout.y());  
    Button b = new Button("Button");  
    hi.add(b); |   
    hi.show();  
}  
-
```

```
-  
public void stop() {  
    current = Display.getInstance().getCurrent();  
    if(current instanceof Dialog) {  
        ((Dialog)current).dispose();  
        current = Display.getInstance().getCurrent();  
    }  
}
```



&lt;default conf... ▾



Projects

Files

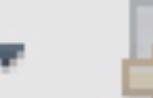
Services



MyApplication.java

Source

History



35

36

37

38

39

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41

42

43

44

45

46

```
public void start() {
    if(current != null){
        current.show();
        return;
    }
    Form hi = new Form("Theme", BoxLayout
    Button b = new Button("Button");
    Button redB = new Button("Red Butt
    hi.add(b);
    redB.setUIID("RedButton");
    hi.add(redB);
    hi.show();
```

ThemeTutorial

Source Packages

&lt;default package&gt;

theme.res

com.mycompany.myapp

MyApplication.java

Test Packages

Libraries

Test Libraries

```
ic void start() {
    current != null){
        current.show();
        return;

    Form hi = new Form("Theme", BoxLayout.y());
    button b = new Button("Button");
    button redB = new Button("Red Button");
    .add(b);
    dB.setUIID("RedButton");
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    .show();

ic void stop() {
    current = Display.getInstance().getCurrent();
    current instanceof Dialog {
```



&lt;default conf... ▾



Projects Files Services

MyApplication.java

Source History

36

37

38

39

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41

42

43

44

45

46

47

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public void start() {  
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    Form hi = new Form("Theme", BoxLa  
    Button b = new Button("Button");  
    Button redB = new Button("Red Butt  
    TextField redTf = new TextField("Re  
    hi.add(b);  
    redB.setUIID("RedButton");  
    hi.add(redB);
```

ThemeTutorial  
Source Packages  
<default package>  
theme.res  
com.mycompany.myapp  
MyApplication.java  
Test Packages  
Libraries  
Test Libraries

```
Form hi = new Form("Theme", BoxLayout.y());
    button b = new Button("Button");
    button redB = new Button("Red Button");
    textField redTf = new TextField("Red TextField");
    .add(b);
    dB.setUIID("RedButton");
    .add(redB);
    dTf.setUIID("RedButton");
    .add(redTf);
    .show();
```

```
ic void stop() {
```

ions

Search Results

Versioning Output

Output 

```
}

Form hi = new Form("Theme", BoxLayout.y());
Button b = new Button("Button");
Button redB = new Button("Red Button");
TextField redTf = new TextField("Red TextField");
hi.add(b);
redB.setUIID("RedButton");
hi.add(redB);
redTf.setUIID("RedButton");
hi.add(redTf);
hi.show();
}
```

```
public void stop() {
```

Notifications

Search Results

Versioning Output

Output - ThemeTutorial (run) 

letting: /Users/shai/temp/ThemeTutorial/build/built-jar.properties

The screenshot shows a Java IDE interface with the following details:

- Toolbar:** Standard icons for file operations like Open, Save, Print, and Find.
- Menu Bar:** Projects, Files, Services.
- Project Explorer:** Shows a project named "ThemeTutorial" with the following structure:
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- Code Editor:** The active file is "MyApplication.java". The code is as follows:

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public void start() {
    if(current != null){
        current.show();
        return;
    }
    Form hi = new Form("Theme", BoxL
    Button b = new Button("Button");
    Button redB = new Button("Red But
    TextField redTf = new TextField("Re
    hi.add(b);
    redB.setUIID("RedButton");
    redB.getUnselectedStyle().setBgCo
    hi.add(redB);
    redTf.setUIID("RedButton");
```
- Toolbars:** Source, History, and various navigation and search tools.

```
Form hi = new Form("Theme", BoxLayout.y());
button b = new Button("Button");
button redB = new Button("Red Button");
TextField redTf = new TextField("Red TextField");
.add(b);
dB.setUIID("RedButton");
dB.getUnselectedStyle().setBgColor(0xff);
.add(redB);
dTf.setUIID("RedButton");
.add(redTf);
.show();
```

Projects Files Services

ThemeTutorial

Source Packages

<default package>

theme.res

com.mycompany.myapp

MyApplication.java

Test Packages

Libraries

Test Libraries

MyApplication.java

Source History

36 public void start() {

37 if(current != null){

38 current.show();

39 return;

40 }

41 Form hi = new Form("Theme", BoxLayout.

42 Button b = new Button("Button");

43 Button redB = new Button("Red Butto

44 TextField redTf = new TextField("Red

45 hi.add(b);

46 redB.setUIID("RedButton");

47 redB.getUnselectedStyle().setBgColor(

48 redB.getSelectedStyle().setBgColor(0

49 redB.getPressedStyle().setBgColor(0

50 hi.add(redB);

```
return;

Form hi = new Form("Theme", BoxLayout.y());
button b = new Button("Button");
button redB = new Button("Red Button");
TextField redTf = new TextField("Red TextField");
.add(b);
dB.setUIID("RedButton");
dB.getUnselectedStyle().setBgColor(0xff);
dB.getSelectedStyle().setBgColor(0xff);
dB.getPressedStyle().setBgColor(0xff);
.add(redB);
dTf.setUIID("RedButton");
.add(redTf);
.show();
```

```
    return;
}

Form hi = new Form("Theme", BoxLayout.y());
Button b = new Button("Button");
Button redB = new Button("Red Button");
TextField redTf = new TextField("Red TextField");
hi.add(b);
redB.setUIID("RedButton");
redB.getAl[1].setBgColor(0xff);
hi.add(redB);
redTf.setUIID("RedButton");
hi.add(redTf);
hi.show();
}
```

Add A New Theme

Filter Border Wizard

Pressed Disabled Constants Help

Theme

Key Value

includeNativeBool true

Preview Theme

This is a Label

This is a Button

This is a MultiButton

Second line of text

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Show a Dialog

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Fonts

Localization

Data

Add Edit Remove Styles

# Thank You!

