

# GWT – Google Web Toolkit

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# Agenda

- about me
- Problems at (Ajax)-Webapplications
- What is GWT? + Demo 1
- Widgets (Panels, CSS) + Demo 2
- RPC + Demo 3
- Tooling + Links
- further Demos

## about me

- Study: Informations- and Communicationssysteme
- 7 Years external employee (Swun, IBM)
- 1 Year Webdeveloper
- 2 Years Technical Application Manager (s-it Solutions)
- One of the authors of the book „GWT Ajax Anwendungen einfach und schnell entwickeln“

# Problems at (Ajax)-Webapplications

- Browser compatibility
- different languages
- Use of Ajax
- complex GUIs
- Debugging of GUI Problems

# What is GWT?

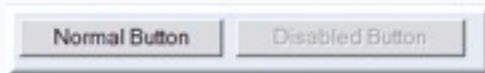
- Ajax Webframework (RPC)
- Implemented Language: Java
- Hosted Mode/Web Mode
- Eventhandling
- Widget Library
- Browserindependent
- Localization
- Historymanagemant

# Demo 1

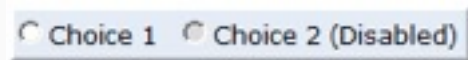
- How a GWT Application looks like?
  - Java
  - Hosted Mode/Web Mode
  - Event Handling



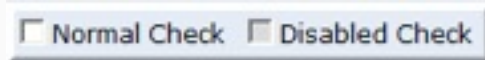
# Widgets



RadioButton



CheckBox

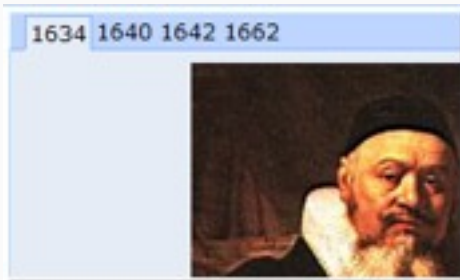


TextBox

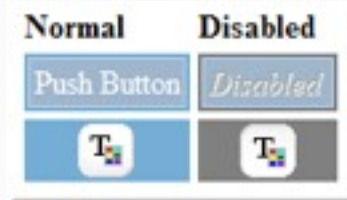


MenuBar

TabBar



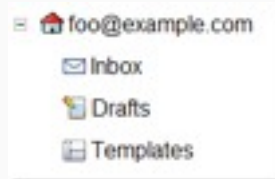
PushButton



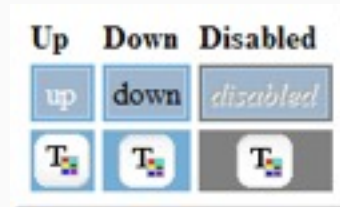
PasswordTextBox



Tree



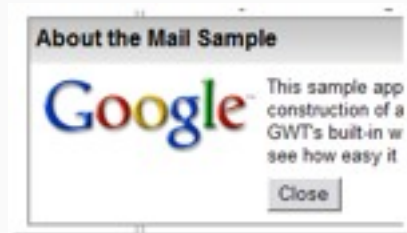
ToggleButton



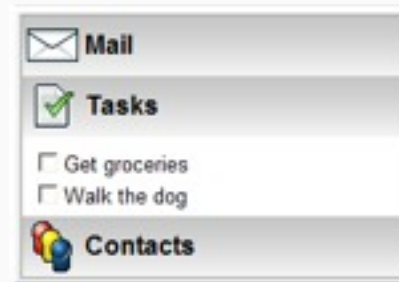
TextArea



DialogBox



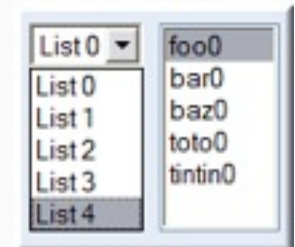
StackPanel



Hyperlink



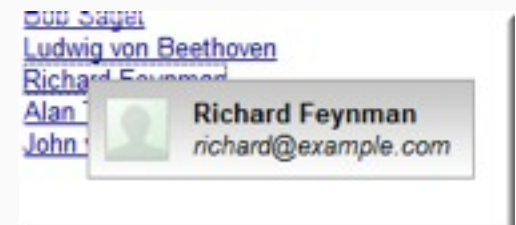
ListBox



Table

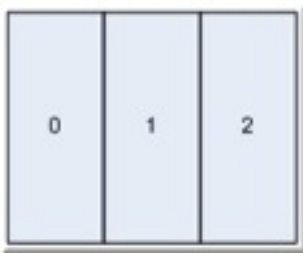
sender	email
markboland05	mark@example.com
Hollie Voss	hollie@example.com
boticario	boticario@example.com
Emerson Milton	emerson@example.com
Healy Colette	healy@example.com
Brigitte Cobb	brigitte@example.com
Elba Lockhart	elba@example.com

PopupPanel

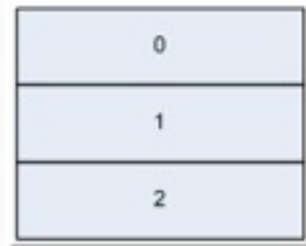


# Panels (Widgets)

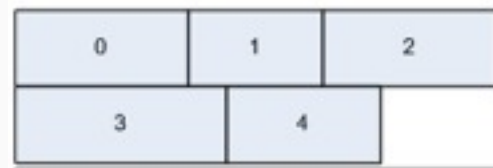
HorizontalPanel



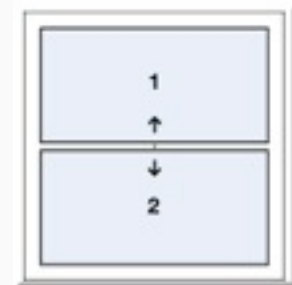
VerticalPanel



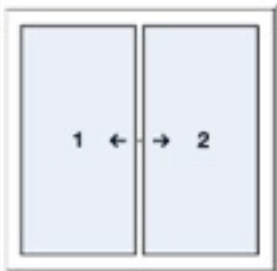
FlowPanel



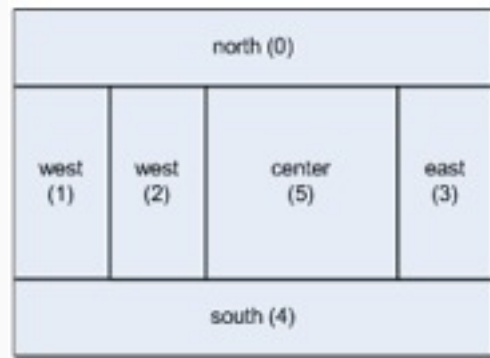
VerticalSplitPanel



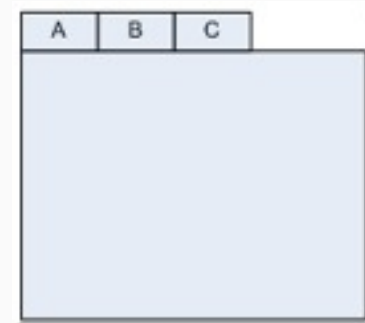
HorizontalSplitPanel



DockPanel



TabPanel



RichTextArea



DisclosurePanel



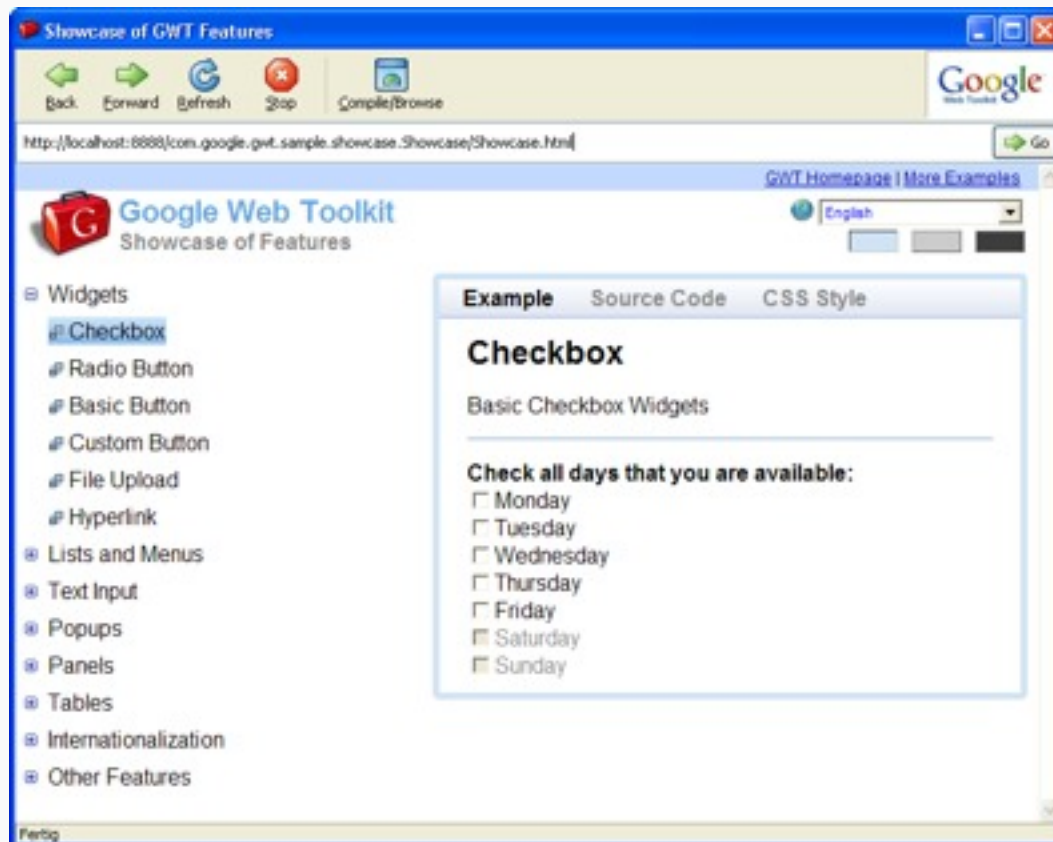
SuggestBox



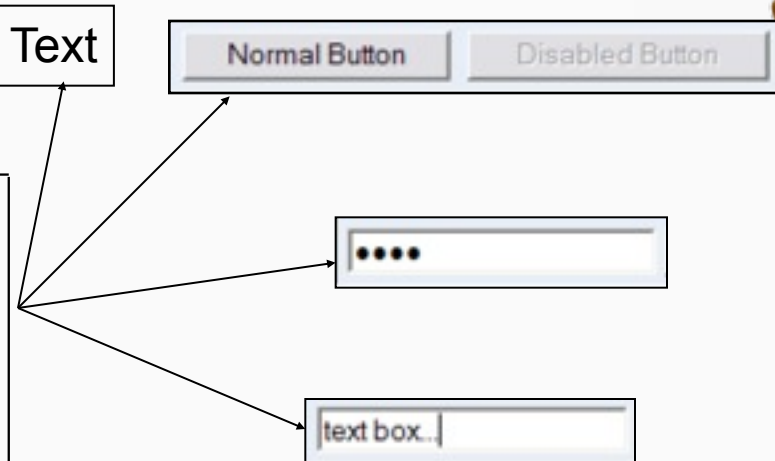
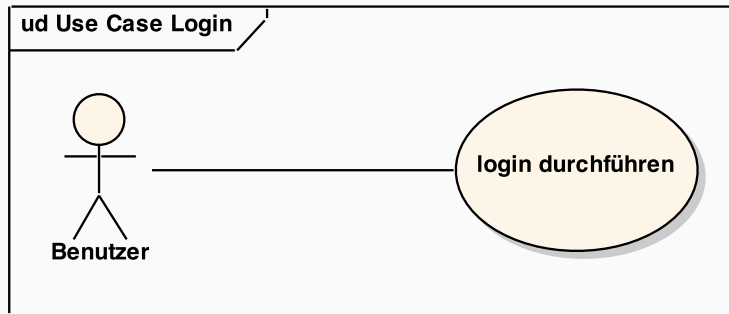


# Demo 2

## ■ Widget Examples and CSS

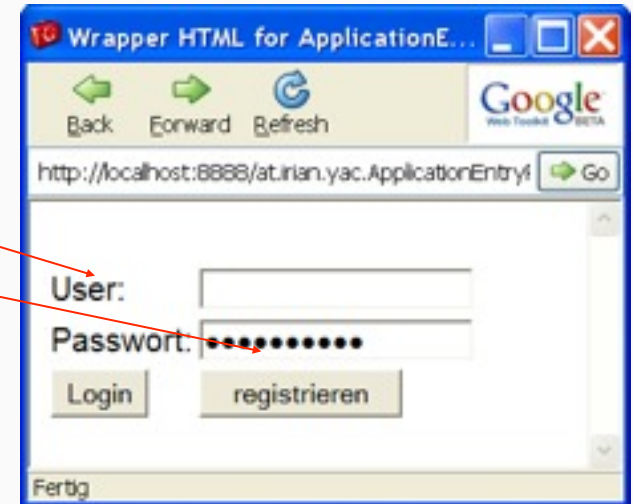


# Widgets used in the Loginexample



```

private Label txtUser = new Label("User:");
private TextBoxBase inpPwd = new PasswordTextBox();
form.add(this.createAndFormatContentPanel());
this.initWidget(form);
final Grid grid = new Grid(3,2);
grid.setWidget(0, 0, this.txtUser);
grid.setWidget(1, 1, this.inpPwd);
...
    
```

# RPC – Remote Procedure Call

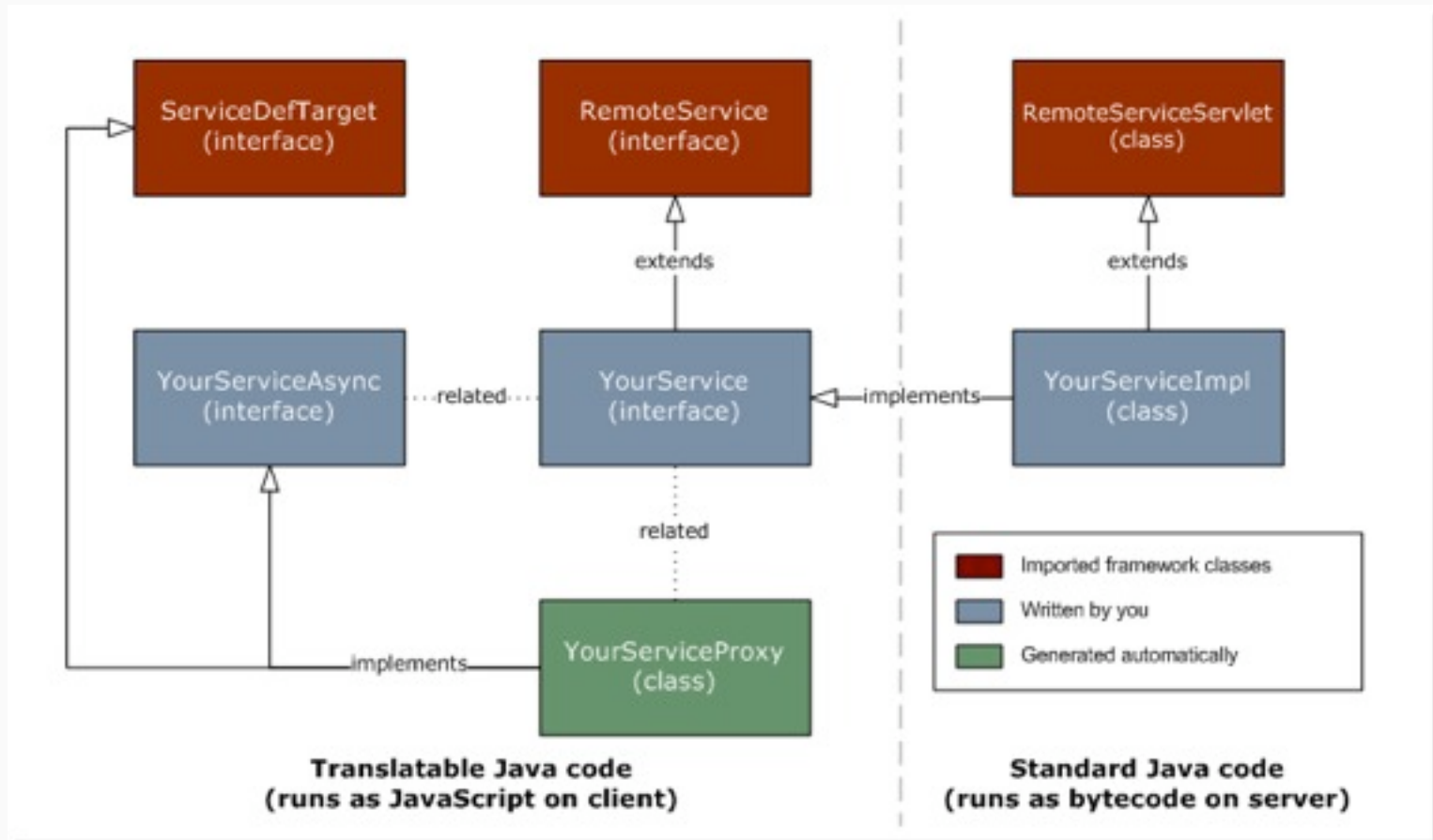


Figure taken from GWT Documentation

## Demo 3

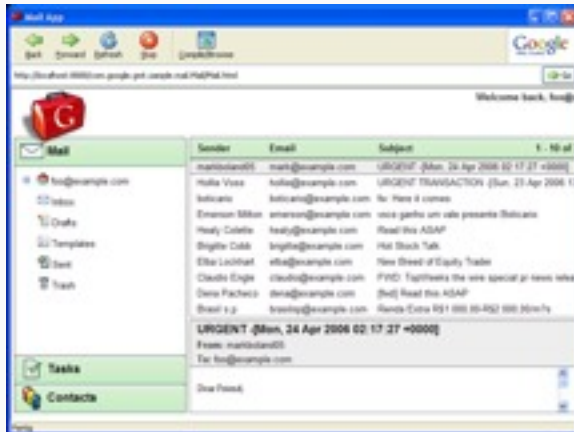
- How RPC does work?



# Tooling + Links

- projectCreator.cmd
- applicationCreator.cmd
- i18nCreator.cmd
- <Interfacename>-i18n.cmd
- junitCreator.cmd
- Eclipse Plugin Cypal Studio for GWT (<http://www.cypal.in/studio>)
- GWT (<http://code.google.com/intl/de-DE/webtoolkit>)

# further Demos



# Questions?