



# Google Web Toolkit

## 10 Killer Features

Presentation By

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Manager, Application Development

Quality Technology Services

**What are the challenges?**



# What are the challenges?

JS Implementations differ





# What are the challenges?

JS Implementations differ

**JS tooling not mature**





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JS Implementations differ

JS tooling not mature

**JS team development challenging**



# What are the challenges?

JS Implementations differ

JS tooling not mature

JS team development challenging

**JS hard to optimize**





# GWT Compiler





**Java**



**JavaScript**

**Java**  
(Limited JRE)



**JavaScript**



**Java**  
(Limited JRE)



**JavaScript**  
**JavaScript**  
**JavaScript**  
**JavaScript**  
**JavaScript**

**Java**  
(Limited JRE)



Bootstrap JS

**JavaScript**  
**JavaScript**  
**JavaScript**  
**JavaScript**  
**JavaScript**

**Java**  
(Limited JRE)



Bootstrap JS

JavaScript

JavaScript

JavaScript

JavaScript

JavaScript



**Java**  
(Limited JRE)



**Bootstrap JS**

JavaScript

JavaScript

JavaScript

JavaScript

JavaScript

**Java**  
(Limited JRE)



CSS  
Images  
JavaScript

Bootstrap JS

JavaScript

JavaScript

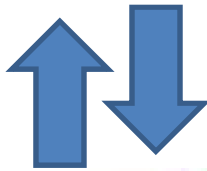
JavaScript

JavaScript

JavaScript

# Code Generators

**Java**  
(Limited JRE)



Bootstrap JS

JavaScript

JavaScript

JavaScript

JavaScript

JavaScript

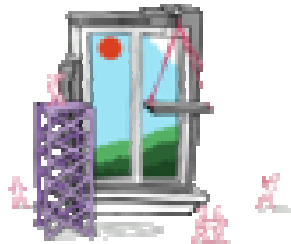
CSS  
Images  
JavaScript



# Developer Tools



**Plugin for Eclipse**



**GWT Designer**



**Speed Tracer**



# PLUGIN FOR ECLIPSE

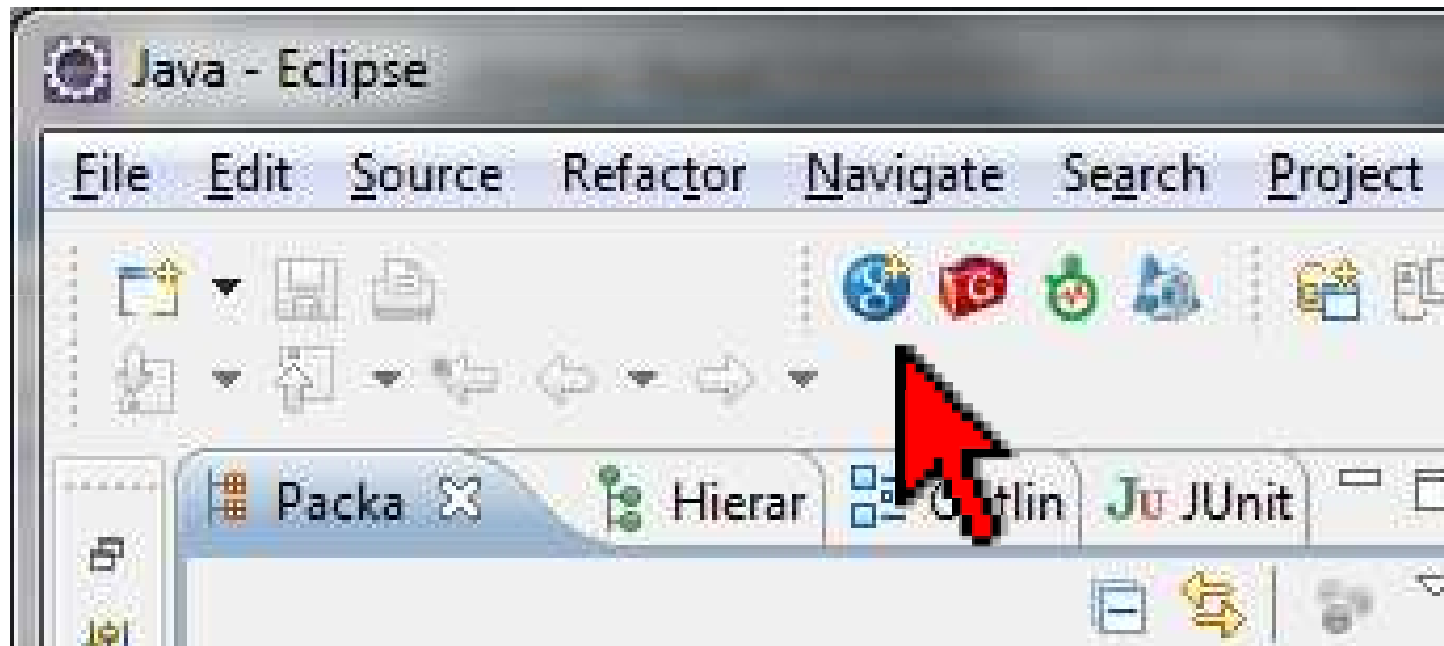
Wizards

Auto-completion

Debugging

Compiling

Development Mode (Running)

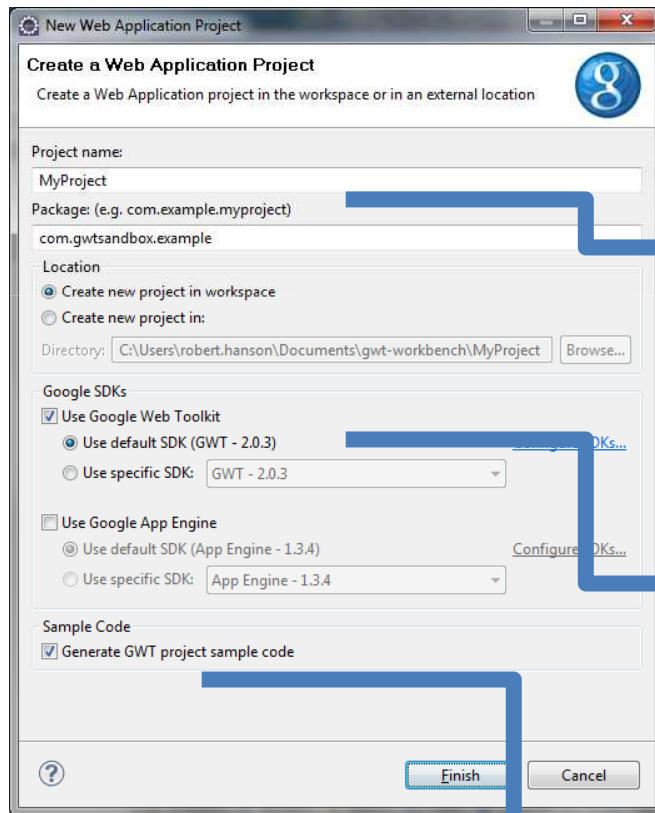


1

2

3

4



Project name:

MyProject

Package: (e.g. com.example.myproject)

com.gwtsandbox.example

Google SDKs

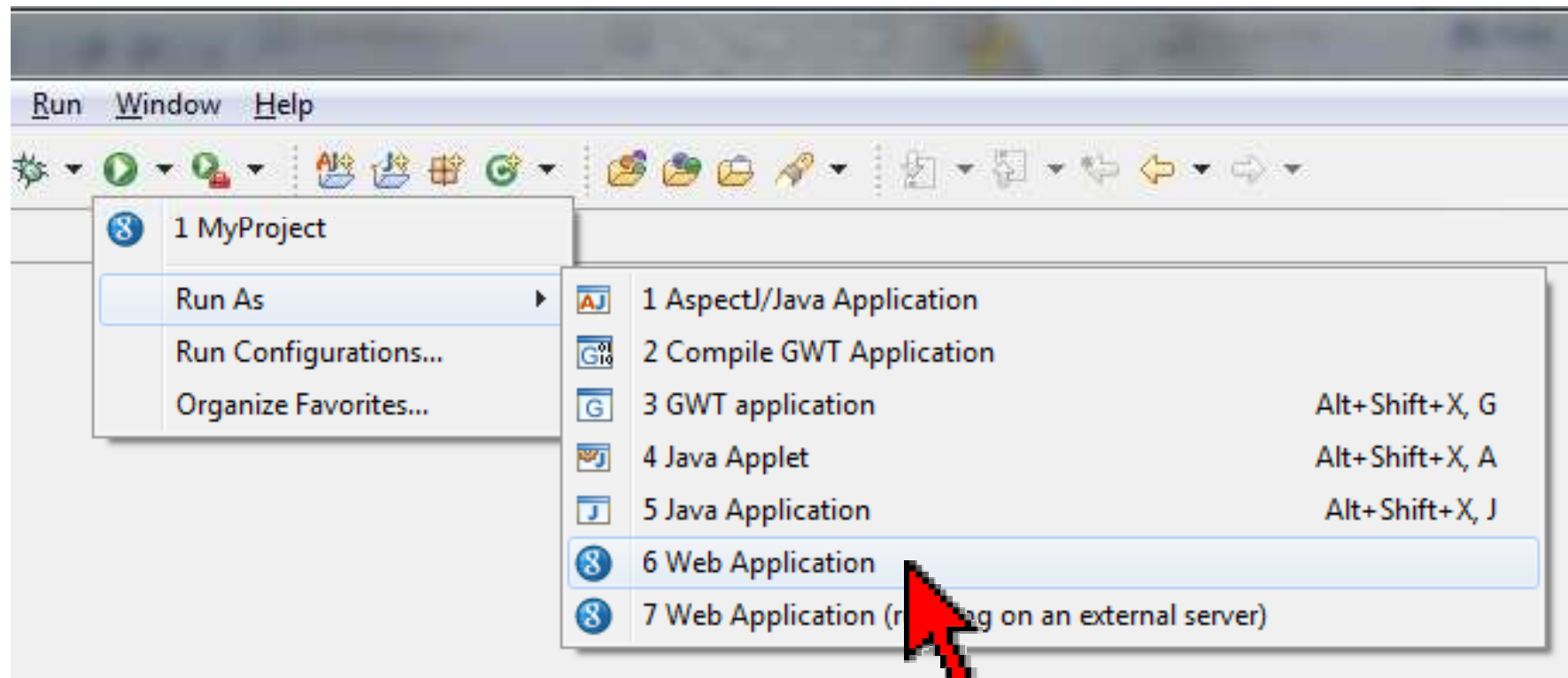
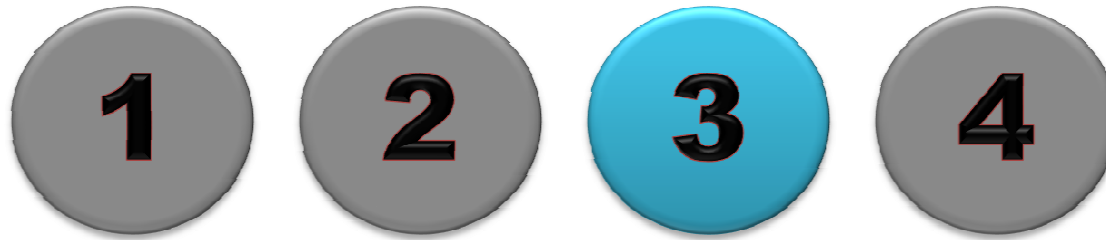
Use Google Web Toolkit

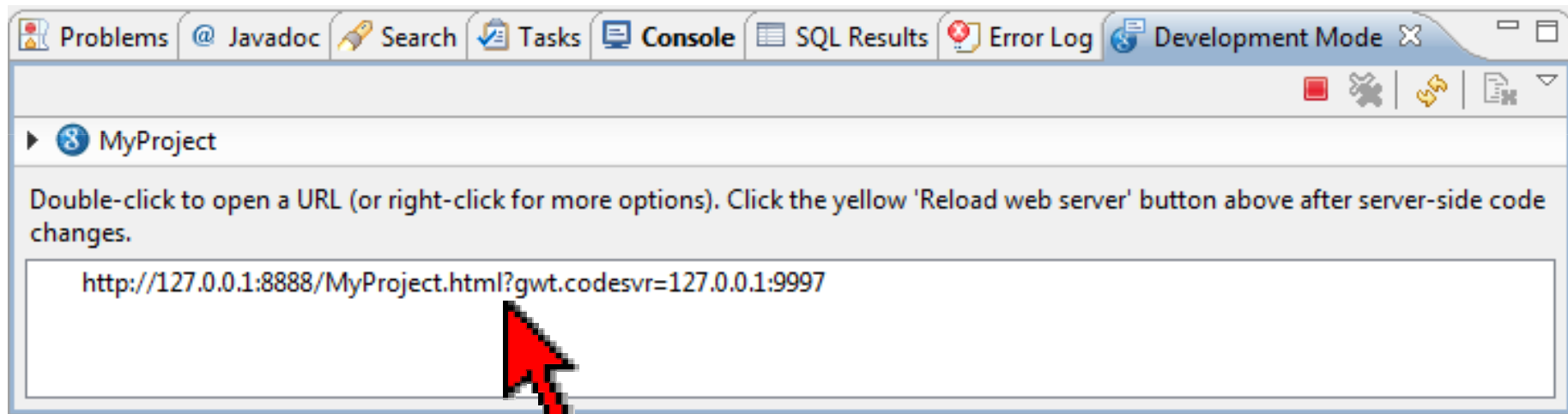
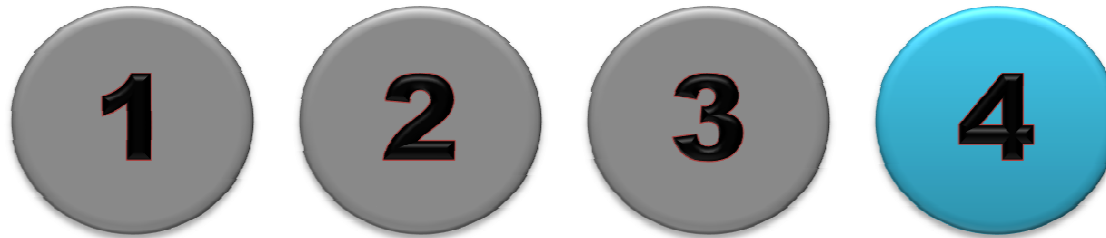
Use default SDK (GWT - 2.0.3)

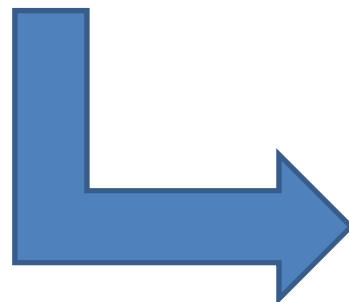
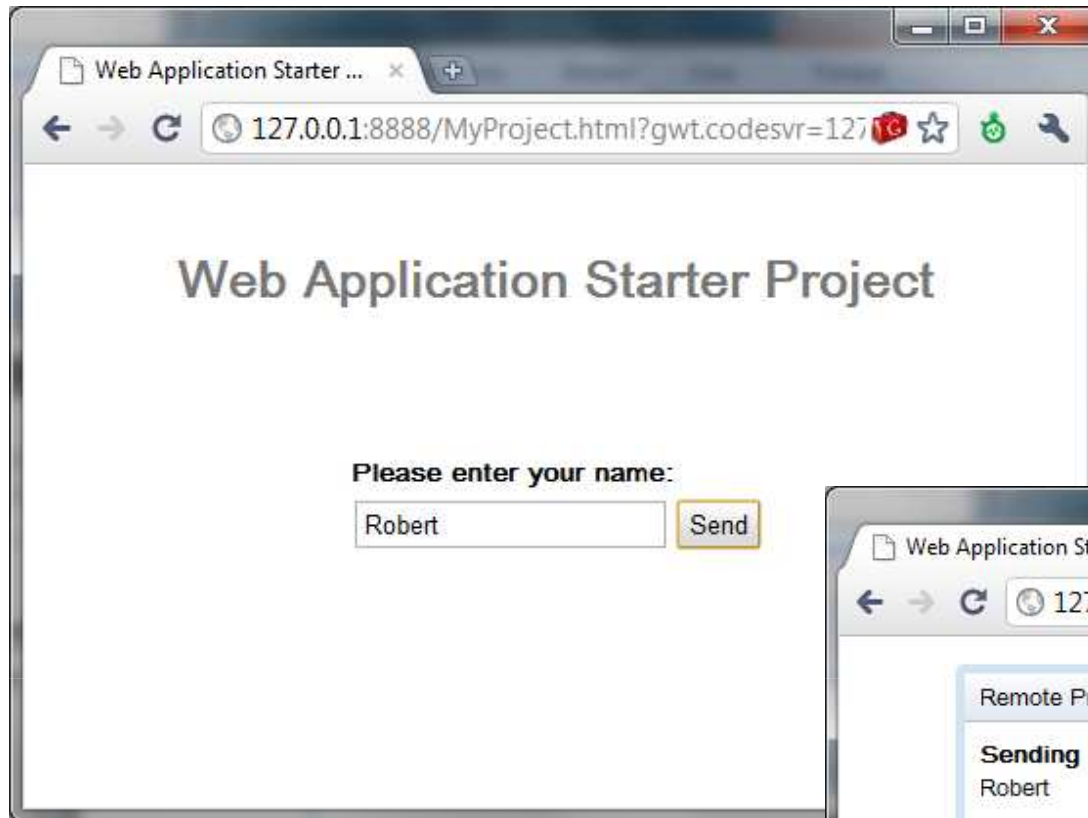
Sample Code

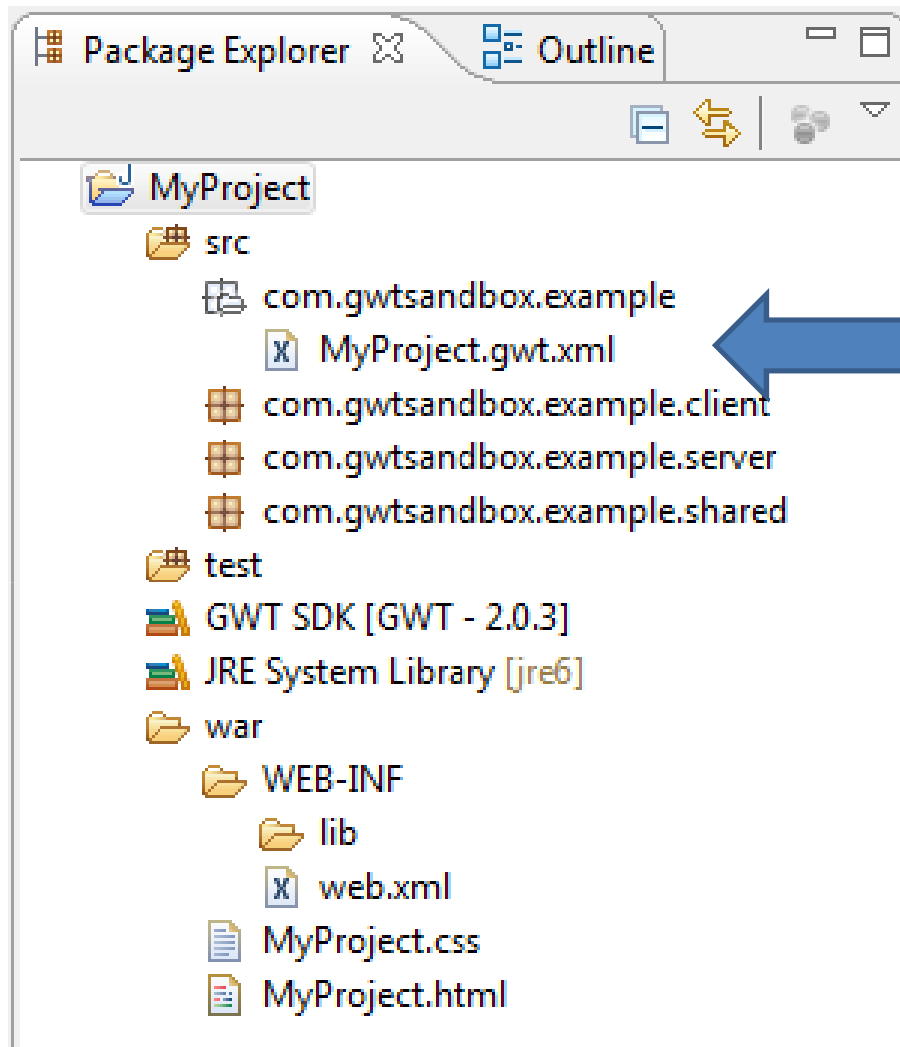
Generate GWT project sample code











**Module configuration**

Output directory

Import module

Import style module

Entry point

Source packages

```
MyProject.gwt.xml
<?xml version="1.0" encoding="UTF-8"?>
<module rename-to='myproject'>

  <inherits name='com.google.gwt.user.User' />

  <inherits name='com.google.gwt.user.theme.standard.Standard' />

  <entry-point class='com.gwtsandbox.example.client.MyProject' />

  <source path='client' />
  <source path='shared' />

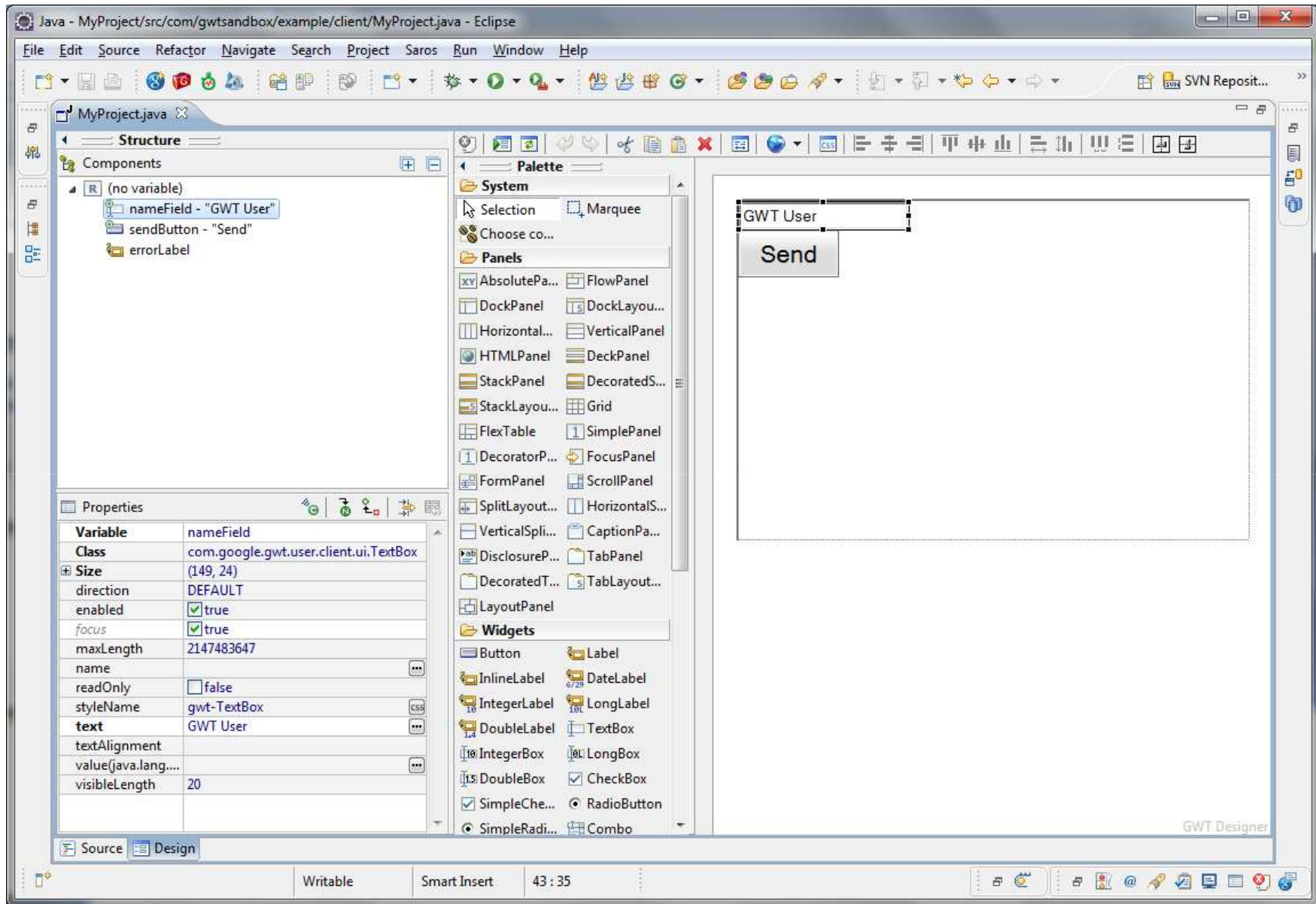
</module>
```



**GWT DESIGNER**

# Visual Editor

(And other stuff)







# SPEED TRACER

Records and measures:

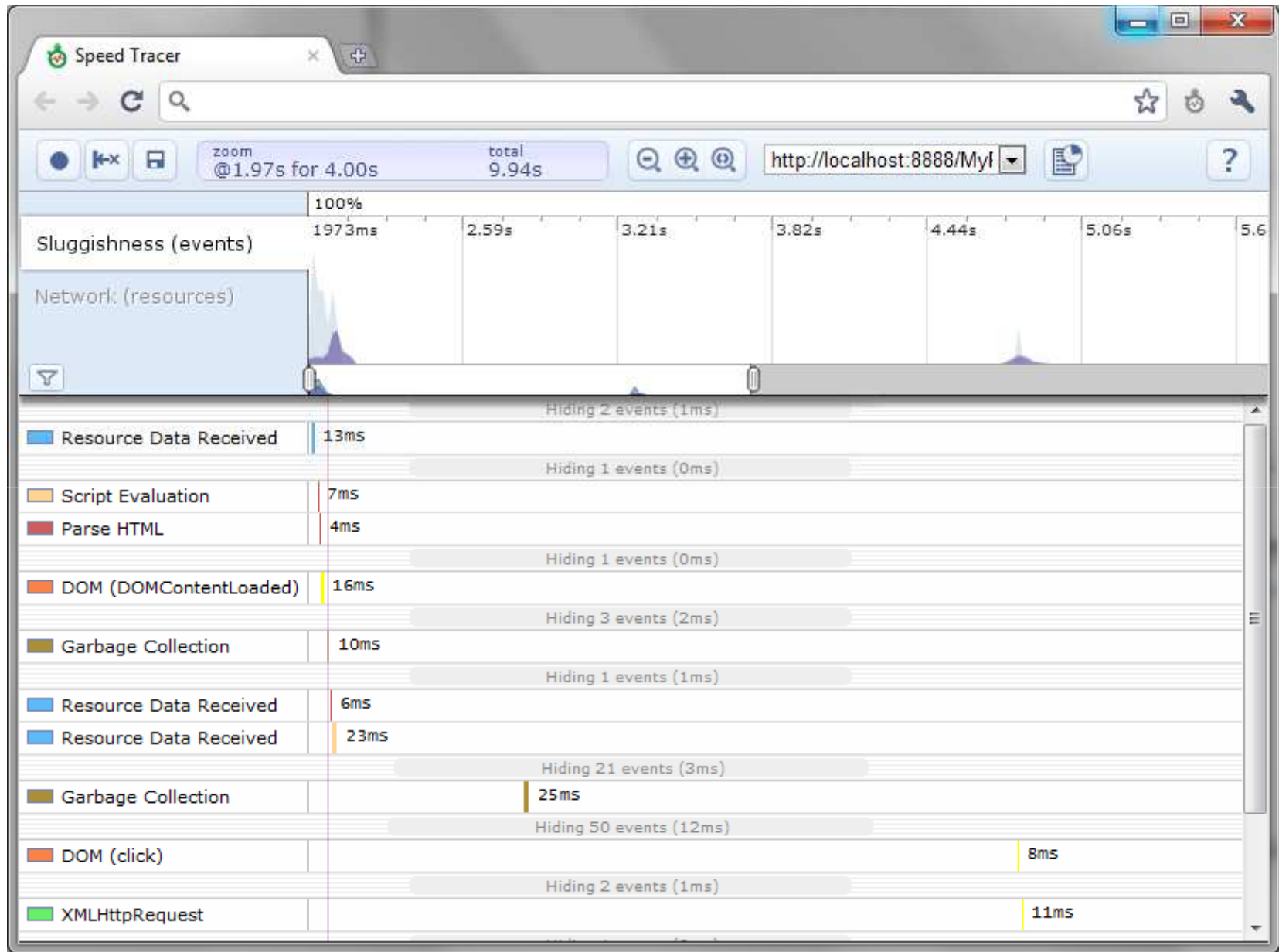
Downloads

Script evaluation

DOM events

HTML parsing

... and more



Speed Tracer

zoom @1.97s for 4.00s total 9.94s

http://localhost:8888/Myf

Sluggishness (events) 100%

Network (resources)

Hiding 1 events (0ms)

DOM (DOMContentLoaded) 16ms

**Event Trace**

- DOM (DOMContentLoaded) 16.0ms (self 0.0ms)
  - JavaScript Callback 16.0ms (self 14.0ms)
    - Hiding short events.
    - Parse HTML 1.0ms (self 1.0ms)
    - Hiding short events.
    - Style Recalculation 1.0ms (self 1.0ms)
    - Timer Cleared 0.0ms (self 0.0ms)

**Details for DOM (DOMContentLoaded)**

<b>Description</b>	A top level DOM event fired, such as mousemove or DOMContentLoaded fired.
<b>@</b>	2032ms
<b>Duration</b>	16.000ms

87.5% JavaScript Callback (13ms)  
 6.3% Style Recalculation (1ms)  
 6.3% Parse HTML (1ms)



# Widgets

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

Choice 1  Choice 2 (Disabled)

Normal Check  Disabled Check

.....

text box...

[Info](#)

[Buttons](#)

[Menus](#)

[Images](#)

[Layouts](#)

**B**  *I*  U  X<sub>2</sub>  X<sup>2</sup>  [List Icon]  [List Icon]  [List Icon]  [List Icon]  [List Icon]  [List Icon]  [List Icon]  [List Icon]  [List Icon]

Background [v] | Foreground [v] | Font [v]

### About the Mail Sample

Version 1.0

Close

« Apr 2009 »

S	M	T	W	T	F	S
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

List 0 [v] | foo0

List 0 | bar0

List 1 | baz0

List 2 | toto0

List 3 | tintin0

List 4 [v]

Style Fruit Term

**Bold**

*Italicized*

More »

Code

Strikethrough

Underlined

b

bar

baz

foo bar

This is a big text area...

Normal Button

Disabled Button

1634 1640 1642 1662



foo@example.com

Inbox

Drafts

Templates

Lucille Wagner  
95 Centennial Way

Ann Clark  
716 Main St

Peggy Robertson  
203 Currier St

Alex Burns  
81 Main Ave

Daniel Gordon

0 - 40 : 250

**Normal**      **Disabled**

Push Button    Disabled

**Up**    **Down**    **Disabled**

up    down    disabled

Family ▶ A (5) ▶

Friends ▶ B (2) ▶

Coworkers ▶ C (3) ▶

Businesses ▶ D (4) ▶

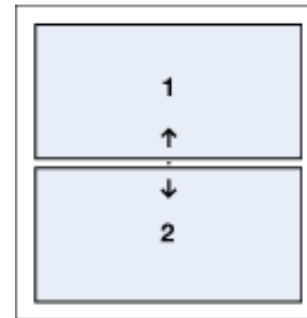
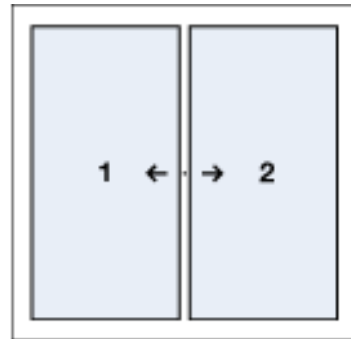
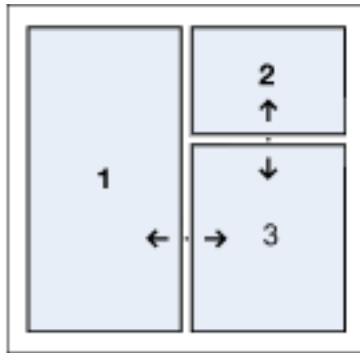
Contacts ▶ E (2) ▶

F (2) ▶

Bertha Ruiz  
543 Third Way

Barbara Austin  
656 Main Ave

**Selected:**  
Barbara Austin



**Mail**

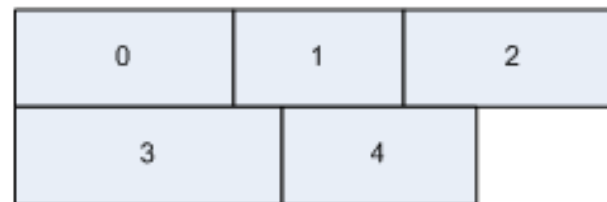
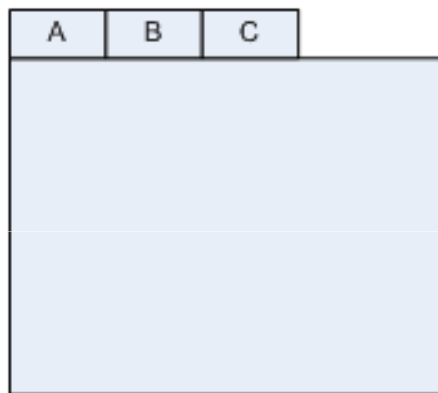
---

**Tasks**

- Get groceries
- Walk the dog

---

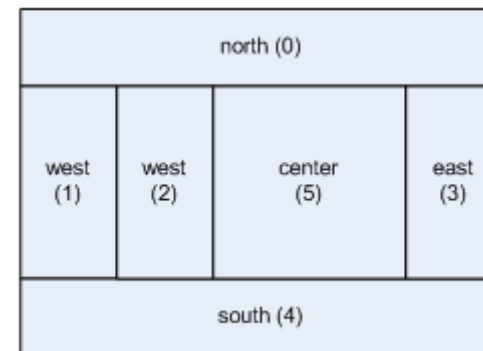
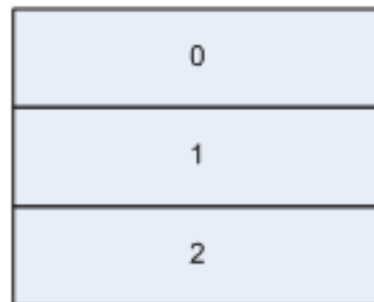
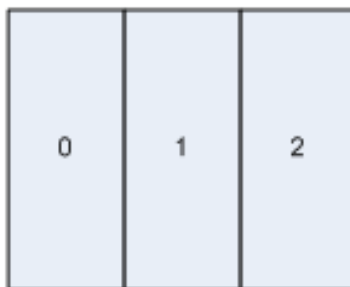
**Contacts**



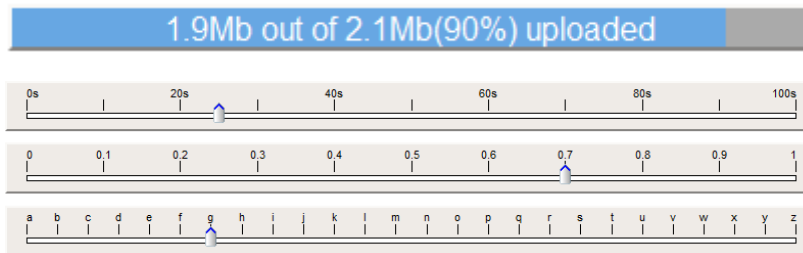
▼ Click to dis  
This widget is is :  
by the disclosure

[Dud Sagel](#)  
[Ludwig von Beethoven](#)  
[Richard Feynman](#)  
[Alan Turing](#)  
[John von Neumann](#)

**Richard Feynman**  
richard@example.com



# GWT INCUBATOR



PM 01 39 12

April 16, 2011

50%



User Information												
General Info					Preferences		School Info			Login Info		
First Name	Last Name	Age	Gender	Race	Favorite Color	Preferred Sport	College	Year	GPA	ID	Pin	
<input type="checkbox"/>	Arnold	Gaskins	68	male	Other	red	softball	University of Arizona	1991	1.91	2644699	3775
<input type="checkbox"/>	Arnold	Lee	20	female	Other	red	football	University of Florida	2001	3.95	8539503	9316
<input type="checkbox"/>	George	Johnson	21	female	Hispanic	orange	golf	University of Texas	1992	1.39	2744293	5075
<input type="checkbox"/>	Earl	Donavon	82	female	Hispanic	green	football	University of Maryland	2005	1.06	4754755	6988
<input type="checkbox"/>	Arnold	Haskins	78	female	Caucasia	green	tennis	University of Arkansas	2000	1.06	6492582	8507
<input type="checkbox"/>	Arnold	York	67	female	Caucasia	red	softball	University of Arizona	1994	1.62	5776508	2705
<input type="checkbox"/>	George	Peterson	21	female	African A	yellow	baseball	University of Florida	1994	1.34	3841924	7872
<input type="checkbox"/>	Oscar	Peterson	50	male	Asian	yellow	baseball	University of Connecticut	2002	2.78	5404904	6966
<input type="checkbox"/>	Irma	Sauxby	32	male	African A	yellow	baseball	University of Virginia	2008	2.95	8482284	9920
<input type="checkbox"/>	Paul	Johnson	3	female	Asian	yellow	baseball	University of Maine	1994	3.02	2863993	8218
<input type="checkbox"/>	Susan	Corper	65	female	Hispanic	yellow	baseball	University of Arizona	1996	3.61	2787166	6236
<input type="checkbox"/>	Paul	Anderson	54	female	Green Al	purple	baseball	University of Arizona	2005	2.04	2082655	8654
Col 0	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	

Select a color:

- red
- blue
- green
- orange
- purple

1 of 20



# SMART GWT

Firefox Smart GWT Showcase Demo Application

**Office Supply Categories**

- Office Paper Products
  - Calculator Rolls
    - Adding Machine/calculator Roll**
  - Office Pads
  - Photocopy/lasercopy Paper
  - Post-it Products
  - Specialty Pens
  - Fax and Telex Rolls
- General Office Products
- Office Machines and Electronics
- Computer Consumables
- Office Filing and Storage

**Instructions**

**To use this application:**

- Select a folder in the *Office Supply Categories* tree to display items in that category.
- Select an item in the *Office Supply Items* list to view or edit item details.
- Select the *View* or *Edit* tab in the *Item Details* window as appropriate.
- Edit information in the *Edit* pane of the *Item Details* window and click 'Save Item' to save your changes; or

**Find Items**

Find SKU:  Item:   Use Category

**Office Supply Items**

Name	SKU	Description	Category	Units	Unit Cost	In Stock
Adding Machine Roll 57x57mm Standard	45300		Adding Machine/calcula	Sort Ascending	.41	<input type="checkbox"/>
Adding Machine Roll 57x64mm Standard	90600		Adding Machine/calcula	Sort Descending	.47	<input type="checkbox"/>
Adding Machine Roll 57x76mm Standard	135900		Adding Machine/calcula	Configure Sort	.61	<input type="checkbox"/>
Adding Machine Roll 44x76mm Standard	190000		Adding Machine/calcula	Auto Fit All Columns	.58	<input type="checkbox"/>
Adding Machine Roll 57x57mm Lint Free	226500		Adding Machine/calcula	Auto Fit	.52	<input type="checkbox"/>

**Item Details**

View Edit

Item:	Adding Machine Roll 57x64mm Standard
SKU:	90600
Description:	
Category:	Adding Machine/calculator Roll
Units:	Roll
Unit Cost:	0.47
In Stock:	
Next Shipment:	

# EXT GWT


Firefox

Sencha - Ext GWT - Java UI Component...

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 **Ext GWT** Internet Application Framework for Google Web Toolkit [Buy](#) [Download](#)

**Edit Plants with RowEditor**

Add Plant

Common Name	Light	Price	Available	Indoor?
Bloodroot	Mostly Shady	2.44	03/15/2011	<input checked="" type="checkbox"/>
Marsh Marigold				
Cowslip	Mostly Shady	US\$9.90		
Dutchman's-Breeches	Mostly Shady	US\$6.41		
Ginger, Wild	Mostly Shady	US\$9.03		
Hepatica	Sunny	US\$4.45		
Liverleaf	Mostly Sunny	US\$3.99		

Save Cancel

Reset Today

March 2011

S	M	T	W	T	F	S
27	28	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Overview Samples & Demos Testimonials Road Map Licensing

# GWT MOSAIC

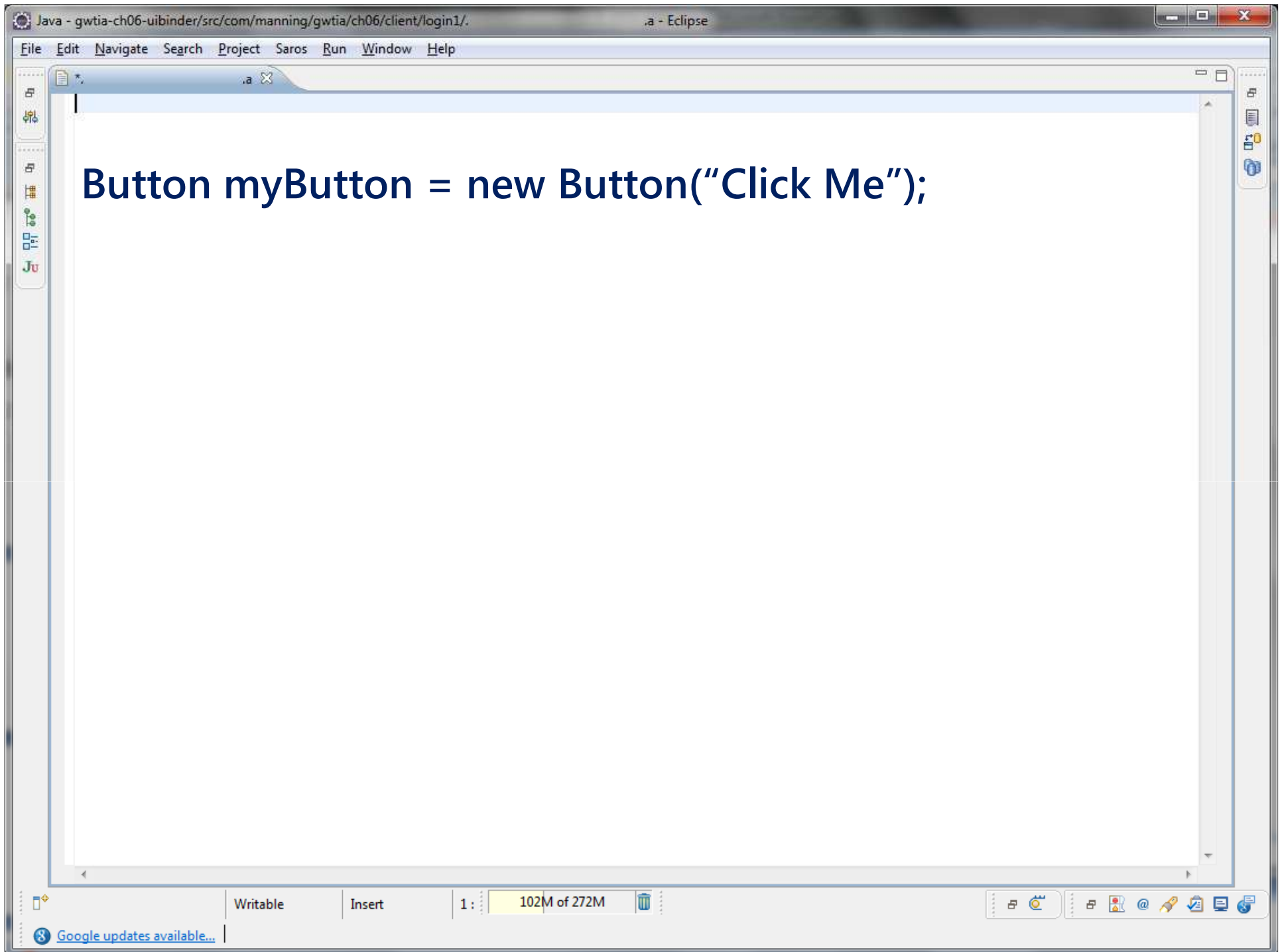
The screenshot shows a web browser window titled "GWT Mosaic Showcase". The page header includes navigation links: "GWT Mosaic Homepage", "GWT Homepage", and "More Examples". The main content area is titled "GWT Mosaic Showcase of Features" and includes a language selector set to "English" and four color theme options (blue, light blue, grey, black).

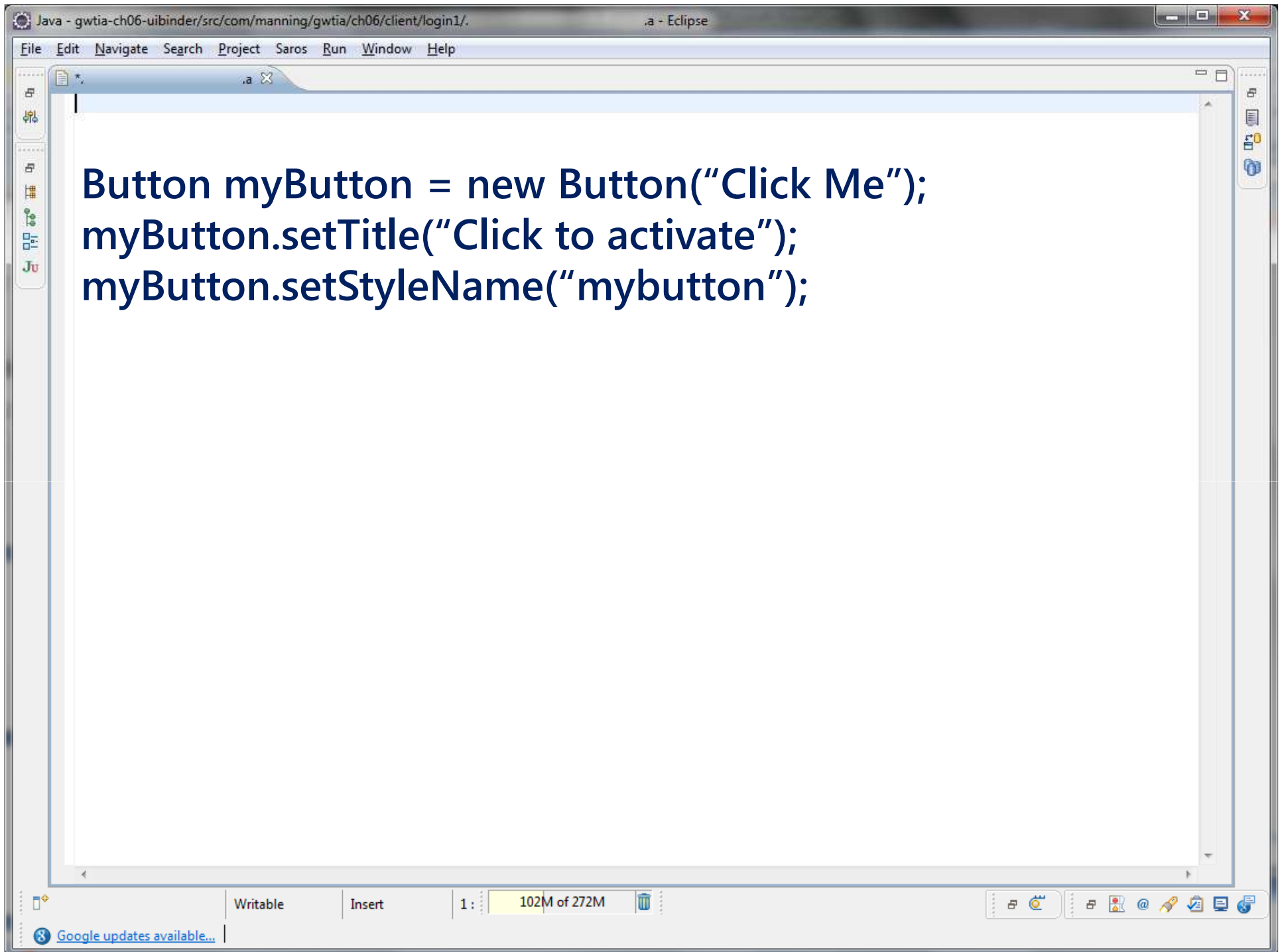
A sidebar on the left is titled "Select demo" and contains a list of widget categories:

- Widgets
  - Basic Button
  - Custom Button
  - Tool Button
  - ComboBox
  - DatePicker**
  - ToolBar
  - MenuBar
  - SliderBar
  - ProgressBar
- Popups
- Layout & Panels
- Forms
- Trees
- Lists & Tables
- UiBinder

The main content area displays the "DatePicker" widget. It includes a title "DatePicker", a description "DatePicker description", and two calendar views. The left calendar shows the date "Sun Apr 17 14:41:15 GMT-400 20" and the right calendar shows "Sun Apr 17 14:41:15 GMT-400 -". Both calendars display a grid for "Apr 2011" with the 17th highlighted. Below the calendars are time selection controls for "PM", "02", "41", and "15".

At the bottom of the browser window, a search bar contains the text "demo". To the right of the search bar are navigation icons and text: "Next", "Previous", "Highlight all", "Match case", and "Reached end of page, continued from top".



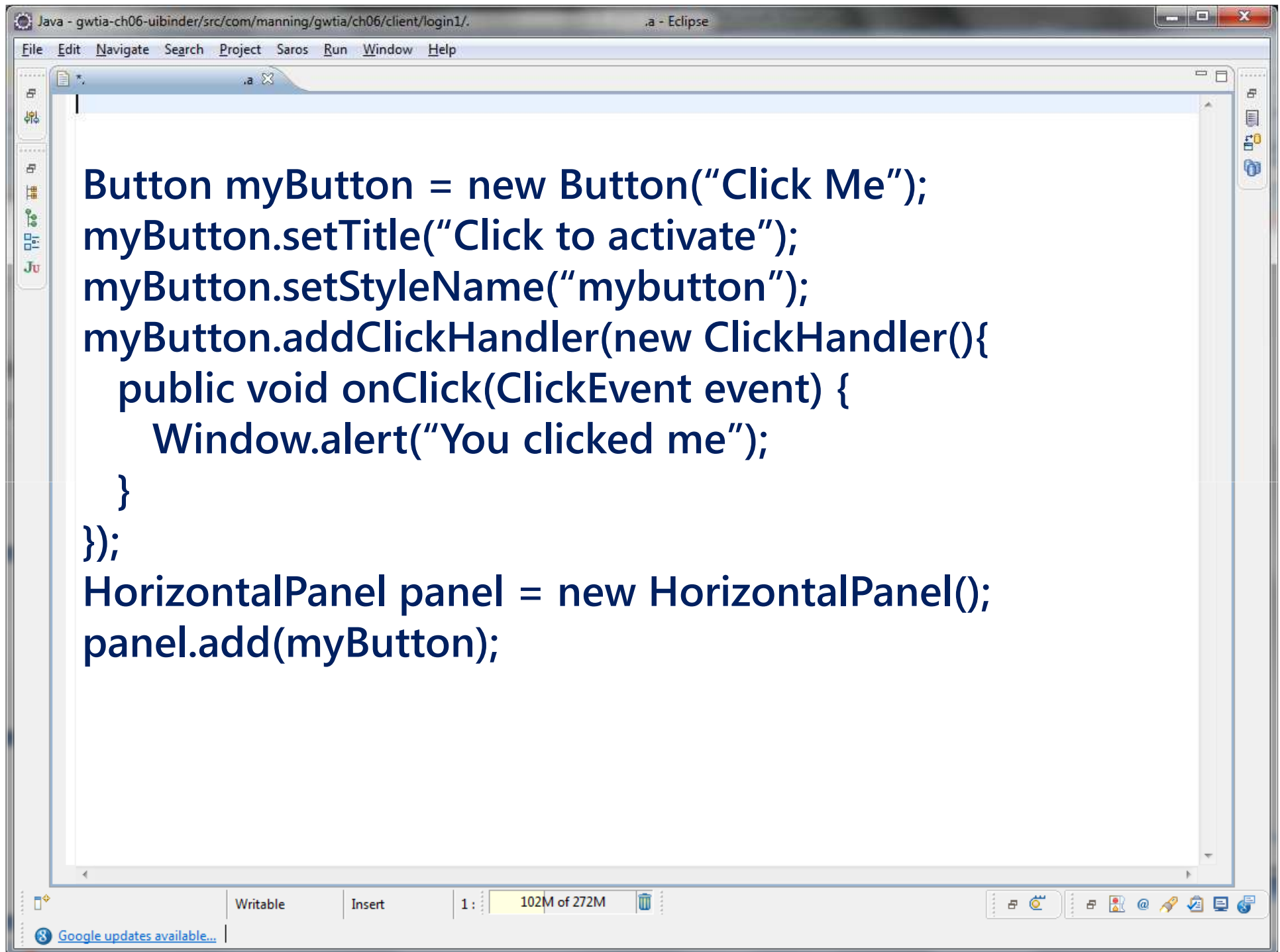


The image shows a screenshot of the Eclipse IDE. The title bar at the top reads "Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse". The menu bar includes "File", "Edit", "Navigate", "Search", "Project", "Saros", "Run", "Window", and "Help". The main editor area contains the following Java code:

```
Button myButton = new Button("Click Me");  
myButton.setTitle("Click to activate");  
myButton.setStyleName("mybutton");  
myButton.addClickHandler(new ClickHandler(){  
    public void onClick(ClickEvent event) {  
        Window.alert("You clicked me");  
    }  
});
```

The status bar at the bottom shows "Writable", "Insert", "1 : 102M of 272M", and a "Google updates available..." notification.



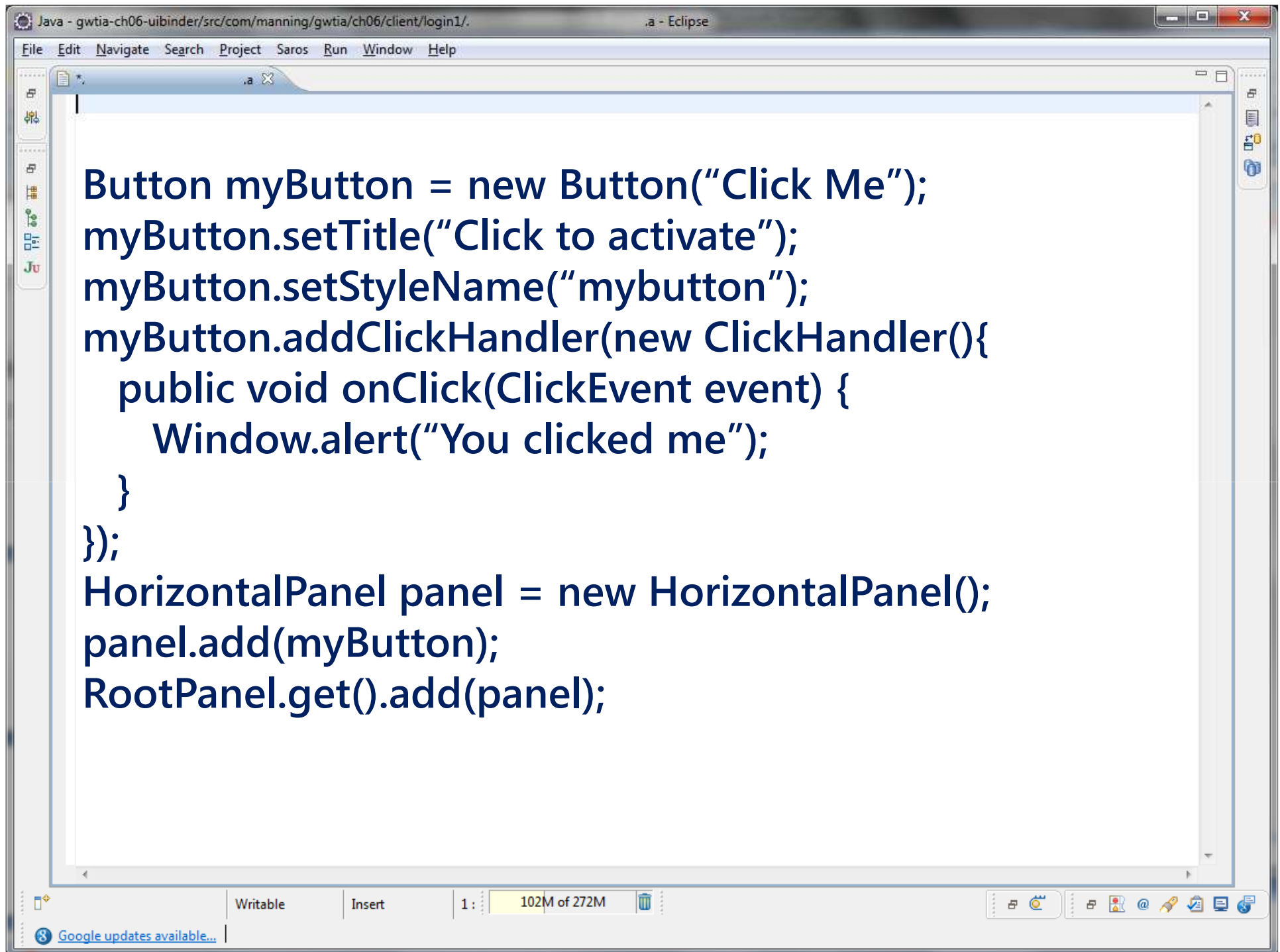


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myButton.addClickHandler(new ClickHandler(){
    public void onClick(ClickEvent event) {
        Window.alert("You clicked me");
    }
});
HorizontalPanel panel = new HorizontalPanel();
panel.add(myButton);
```

The status bar at the bottom shows "Writable", "Insert", "1:", "102M of 272M", and a trash icon. A "Google updates available..." notification is visible in the bottom left corner.

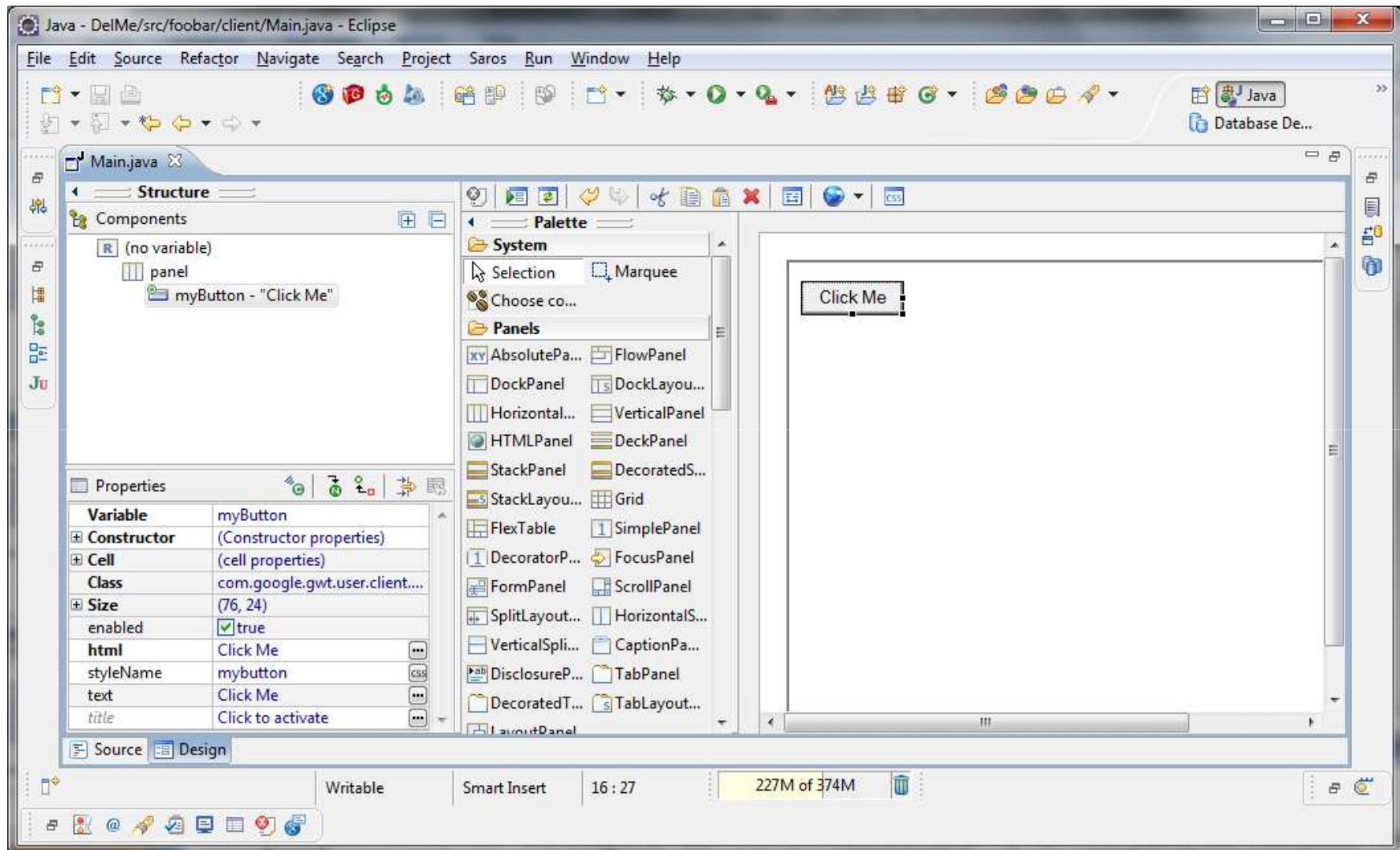




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    public void onClick(ClickEvent event) {
        Window.alert("You clicked me");
    }
});
HorizontalPanel panel = new HorizontalPanel();
panel.add(myButton);
RootPanel.get().add(panel);
```

The status bar at the bottom shows "Writable", "Insert", "1:", "102M of 272M", and a trash icon. A "Google updates available..." notification is visible in the bottom left corner.



The screenshot shows the Eclipse IDE interface. The title bar reads "Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse". The menu bar includes "File", "Edit", "Navigate", "Search", "Project", "Saros", "Run", "Window", and "Help". The editor window contains the following code:

```
HorizontalPanel panel = new HorizontalPanel();
panel.add(new MyButton());
RootPanel.get().add(panel);

...

Public class MyButton extends Button {
    ...
}
```

The IDE status bar at the bottom shows "Writable", "Insert", "1 : 102M of 272M", and a "Google updates available..." notification.



# UIBinder



# Adobe Flex

```
<?xml version="1.0" encoding="utf-8"?>  
<s:Application xmlns:mx="library://ns.adobe.com/flex/halo" >  
  
  <s:RichText>  
    <s:text>Worst Flex app ever</s:text>  
  </s:RichText>  
  
</s:Application>
```



```
<html>  
  <body>  
  
    <form runat="server">  
      <asp:Calendar runat="server" />  
    </form>  
  
  </body>  
</html>
```



```
<canvas height="500" width="500" bgcolor="#FFFFFF" >  
  <view width="500" height="250">
```

```
    <text align="center" valign="middle">  
      <font size="20">Hello World</font>  
    </text>
```

```
  </view>  
</canvas>
```

# S-Mart Login

Email

Password

**X** Password is not valid



```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a
<ui:UiBinder
  xmlns:ui='urn:ui:com.google.gwt.uibinder'
  xmlns:g="urn:import:com.google.gwt.user.client.ui">

  <g:HTMLPanel>
    <div class="container">
      <div class="content">
        <h1>S-Mart Login</h1>
        <div class="form-divider"></div>
        <div id="login-form">
          <ul>
            <li><label>Email</label></li>
            <li><g:TextBox ui:field="txtEmail"/>
              <div ui:field="eEmailError">
                <span>X</span>
                <span ui:field="eEmailErrorText">Email error</span>
              </div>
            </li>
            <li><label>Password</label></li>
            <li><g:TextBox ui:field="txtPassword"/>
              <div ui:field="ePassError">
                <span>X</span>
                <span ui:field="ePassErrorText">Password error</span>
              </div>
            </li>
            <li><g:Button ui:field="btnLogin" text="Login"/></li>
          </ul>
          <div class="form-divider"></div>
        </div>
      </div>
    </g:HTMLPanel>
  </ui:UiBinder>
```

Writable | Insert | 1 : 102M of 272M

Google updates available...

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help

<ui:UiBinder
  xmlns:ui='urn:ui:com.google.gwt.uibinder'
  xmlns:g="urn:import:com.google.gwt.user.client.ui">

  <g:HTMLPanel>
    <div class="container">
      <div class="content">
        <h1>S-Mart Login</h1>
        <div class="form-divider"></div>
        <div id="login-form">
          <ul>
            <li><label>Email</label></li>
            <li><g:TextBox ui:field="txtEmail"/>
              <div ui:field="eEmailError">
                <span>X</span>
                <span ui:field="eEmailErrorText">Email error</span>
              </div>
            </li>
            <li><label>Password</label></li>
            <li><g:TextBox ui:field="txtPassword"/>
              <div ui:field="ePassError">
                <span>X</span>
                <span ui:field="ePassErrorText">Password error</span>
              </div>
            </li>
            <li><g:Button ui:field="btnLogin" text="Login"/></li>
          </ul>
          <div class="form-divider"></div>
        </div>
      </div>
    </g:HTMLPanel>

  </ui:UiBinder>

Writable Insert 1 : 102M of 272M
Google updates available...
```

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a
<ui:UiBinder xmlns:ui='urn:ui:com.google.gwt.uibinder'
  xmlns:g="urn:import:com.google.gwt.user.client.ui">

<b><g:HTMLPanel></b>

  <div class="container">
    <div class="content">
      <h1>S-Mart Login</h1>
      <div class="form-divider"></div>
      <div id="login-form">
        <ul>
          <li><label>Email</label></li>
          <li><g:TextBox ui:field="txtEmail"/>
            <div ui:field="eEmailError">
              <span>X</span>
              <span ui:field="eEmailErrorText">Email error</span>
            </div>
          </li>
          <li><label>Password</label></li>
          <li><g:TextBox ui:field="txtPassword"/>
            <div ui:field="ePassError">
              <span>X</span>
              <span ui:field="ePassErrorText">Password error</span>
            </div>
          </li>
          <li><g:Button ui:field="btnLogin" text="Login"/></li>
        </ul>
        <div class="form-divider"></div>
      </div>
    </div>
  </div>

<b></g:HTMLPanel></b>

</ui:UiBinder>

Writable Insert 1: 102M of 272M
Google updates available...
```

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a
<ui:UiBinder xmlns:ui='urn:ui:com.google.gwt.uibinder'
  xmlns:g="urn:import:com.google.gwt.user.client.ui">
  <g:HTMLPanel>
    <div class="container">
      <div class="content">
        <h1>S-Mart Login</h1>
        <div class="form-divider"></div>
        <div id="login-form">
          <ul>
            <li><label>Email</label></li>
            <li><g:TextBox ui:field="txtEmail"/>
              <div ui:field="eEmailError">
                <span>X</span>
                <span ui:field="eEmailErrorText">Email error</span>
              </div>
            </li>
            <li><label>Password</label></li>
            <li><g:TextBox ui:field="txtPassword"/>
              <div ui:field="ePassError">
                <span>X</span>
                <span ui:field="ePassErrorText">Password error</span>
              </div>
            </li>
            <li><g:Button ui:field="btnLogin" text="Login"/></li>
          </ul>
          <div class="form-divider"></div>
        </div>
      </div>
    </div>
  </div>
</div>
```

Writable Insert 1 : 102M of 272M

Google updates available...

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help

<ui:UiBinder xmlns:ui='urn:ui:com.google.gwt.uibinder'
  xmlns:g="urn:import:com.google.gwt.user.client.ui">

<g:HTMLPanel>
  <div class="container">
    <div class="content">
      <h1>S-Mart Login</h1>
      <div class="form-divider"></div>
      <div id="login-form">
        <ul>
          <li><label>Email</label></li>
          <li><b><g:TextBox ui:field="txtEmail" /></b>
          <div ui:field="eEmailError">
            <span>X</span>
            <span ui:field="eEmailErrorText">Email error</span>
          </div>
          </li>
          <li><label>Password</label></li>
          <li><g:TextBox ui:field="txtPassword" />
          <div ui:field="ePassError">
            <span>X</span>
            <span ui:field="ePassErrorText">Password error</span>
          </div>
          </li>
          <li><g:Button ui:field="btnLogin" text="Login" /></li>
        </ul>
        <div class="form-divider"></div>
      </div>
    </div>
  </g:HTMLPanel>
</ui:UiBinder>
```

Writable | Insert | 1 : 102M of 272M

Google updates available...

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help

<ui:UiBinder xmlns:ui='urn:ui:com.google.gwt.uibinder'
  xmlns:g="urn:import:com.google.gwt.user.client.ui">

<g:HTMLPanel>
  <div class="container">
    <div class="content">
      <h1>S-Mart Login</h1>
      <div class="form-divider"></div>
      <div id="login-form">
        <ul>
          <li><label>Email</label></li>
          <li><g:TextBox ui:field="txtEmail" />
          <div ui:field="eEmailError">
            <span>X</span>
            <span ui:field="eEmailErrorText">Email error</span>
          </div>
          </li>
          <li><label>Password</label></li>
          <li><g:TextBox ui:field="txtPassword" />
          <div ui:field="ePassError">
            <span>X</span>
            <span ui:field="ePassErrorText">Password error</span>
          </div>
          </li>
          <li><g:Button ui:field="btnLogin" text="Login" /></li>
        </ul>
      <div class="form-divider"></div>
    </div>
  </div>
</g:HTMLPanel>

</ui:UiBinder>
```

Writable | Insert | 1 : 102M of 272M

Google updates available...

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a
<ui:UiBinder xmlns:ui='urn:ui:com.google.gwt.uibinder'
  xmlns:g="urn:import:com.google.gwt.user.client.ui">

<g:HTMLPanel>
  <div class="container">
    <div class="content">
      <h1>S-Mart Login</h1>
      <div class="form-divider"></div>
      <div id="login-form">
        <ul>
          <li><label>Email</label></li>
          <li><g:TextBox ui:field="txtEmail"/>
            <div ui:field="eEmailError">
              <span>X</span>
              <span ui:field="eEmailErrorText">
                Email error
              </span>
            </div>
          </li>
          <li><label>Password</label></li>
          <li><g:TextBox ui:field="txtPassword"/>
            <div ui:field="ePassError">
              <span>X</span>
              <span ui:field="ePassErrorText">Password error</span>
            </div>
          </li>
          <li><g:Button ui:field="btnLogin" text="Login"/></li>
        </ul>
        <div class="form-divider"></div>
      </div>
    </div>
  </div>
</g:HTMLPanel>

Writable Insert 1: 102M of 272M
Google updates available...
```

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a
<ui:UiBinder xmlns:ui='urn:ui:com.google.gwt.uibinder'
  xmlns:g="urn:import:com.google.gwt.user.client.ui">

<g:HTMLPanel>
  <div class="container">
    <div class="content">
      <h1>S-Mart Login</h1>
      <div class="form-divider"></div>
      <div id="login-form">
        <ul>
          <li><label>Email</label></li>
          <li><g:TextBox ui:field="txtEmail"/>
            <div ui:field="eEmailError">
              <span>X</span>
              <span ui:field="eEmailErrorText">Email error</span>
            </div>
          </li>
          <li><label>Password</label></li>
          <li><g:TextBox ui:field="txtPassword"/>
            <div ui:field="ePassError">
              <span>X</span>
              <span ui:field="ePassErrorText">Password error</span>
            </div>
          </li>
          <li>
            <g:Button ui:field="btnLogin"
              text="Login" />
          </li>
        </ul>
      </div>
    </div>
  </div>
</g:HTMLPanel>

</ui:UiBinder>
```

**<g:Button ui:field="btnLogin"  
text="Login" />**

Writable Insert 1 : 102M of 272M

Google updates available...



```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a
<ui:UiBinder xmlns:ui='urn:ui:com.google.gwt.uibinder'
  xmlns:g="urn:import:com.google.gwt.user.client.ui">

<g:HTMLPanel>
  <div class="container">
    <div class="content">
      <h1>S-Mart Login</h1>
      <div class="form-divider"></div>
      <div id="login-form">
        <ul>
          <li><label>Email</label></li>
          <li><g:TextBox ui:field="txtEmail"/>
            <div ui:field="eEmailError">
              <span>X</span>
              <span ui:field="eEmailErrorText">Email error</span>
            </div>
          </li>
          <li><label>Password</label></li>
          <li><g:TextBox ui:field="txtPassword"/>
            <div ui:field="ePassError">
              <span>X</span>
              <span ui:field="ePassErrorText">Password error</span>
            </div>
          </li>
          <li>
            <g:Button ui:field="btnLogin"
              text="Login" />
          </li>
        </ul>
      </div>
    </div>
  </div>
</g:HTMLPanel>

</ui:UiBinder>
```

**<g:Button ui:field="btnLogin"  
text="Login" />**

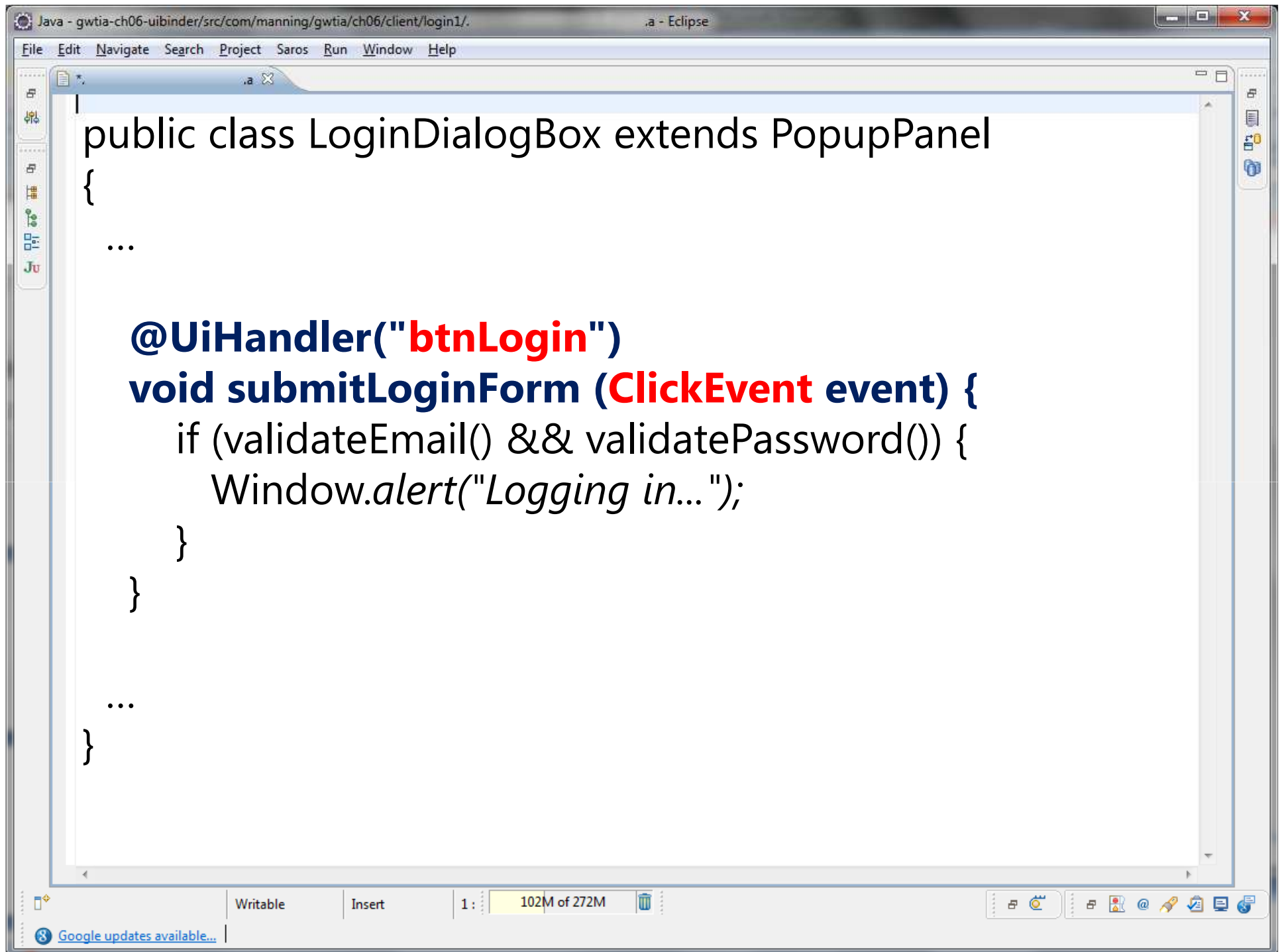
Writable Insert 1: 102M of 272M Google updates available...

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a x
public class LoginDialogBox extends PopupPanel
{
    @UiField Button btnLogin;
    @UiField TextBox txtEmail;
    @UiField TextBox txtPassword;
    @UiField SpanElement eEmailErrorText;
    @UiField SpanElement ePassErrorText;
    @UiField Element eEmailError;
    @UiField Element ePassError;

    ...
}
```

Writable Insert 1 : 102M of 272M

Google updates available...



The image shows a screenshot of the Eclipse IDE. The title bar reads "Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse". The menu bar includes "File", "Edit", "Navigate", "Search", "Project", "Saros", "Run", "Window", and "Help". The editor window displays the following Java code:

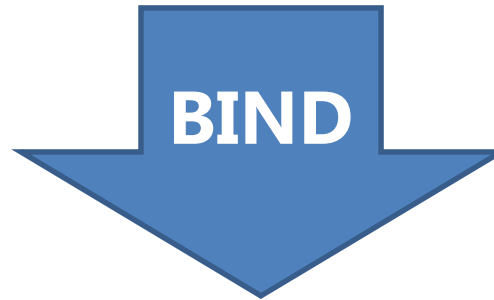
```
public class LoginDialogBox extends PopupPanel
{
    ...

    @UiHandler("btnLogin")
    void submitLoginForm (ClickEvent event) {
        if (validateEmail() && validatePassword()) {
            Window.alert("Logging in...");
        }
    }

    ...
}
```

The code is partially obscured by a semi-transparent overlay containing the same code snippet. In this overlay, the annotations `@UiHandler("btnLogin")` and `ClickEvent event` are highlighted in red, and the method signature `void submitLoginForm` is highlighted in blue. The rest of the code in the overlay is in black. The IDE's status bar at the bottom shows "Writable", "Insert", "1 : 102M of 272M", and a "Google updates available..." notification.

```
<g:Button ui:field="btnLogin" text="Login"/>
```



```
@UiField Button btnLogin;
```

```
@UiHandler("btnLogin")
```

```
void submitLoginForm (ClickEvent event) {  
    if (validateEmail() && validatePassword()) {  
        Window.alert("Logging in...");  
    }  
}
```



# Generators



The image shows a screenshot of the Eclipse IDE. The title bar reads "Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse". The menu bar includes "File", "Edit", "Navigate", "Search", "Project", "Saros", "Run", "Window", and "Help". The main editor area contains the following Java code:

```
public class LoginDialogBox extends PopupPanel
{
    static MyBinder binder = GWT.create(MyBinder.class);

    ...
}
```

The status bar at the bottom shows "Writable", "Insert", "1 : 102M of 272M", and a "Google updates available..." notification.

## MyApplication.gwt.xml

```
<inherits name='com.google.gwt.user.User' />
```

## User.gwt.xml

```
<inherits name="com.google.gwt.uibinder.UiBinder"/>
```

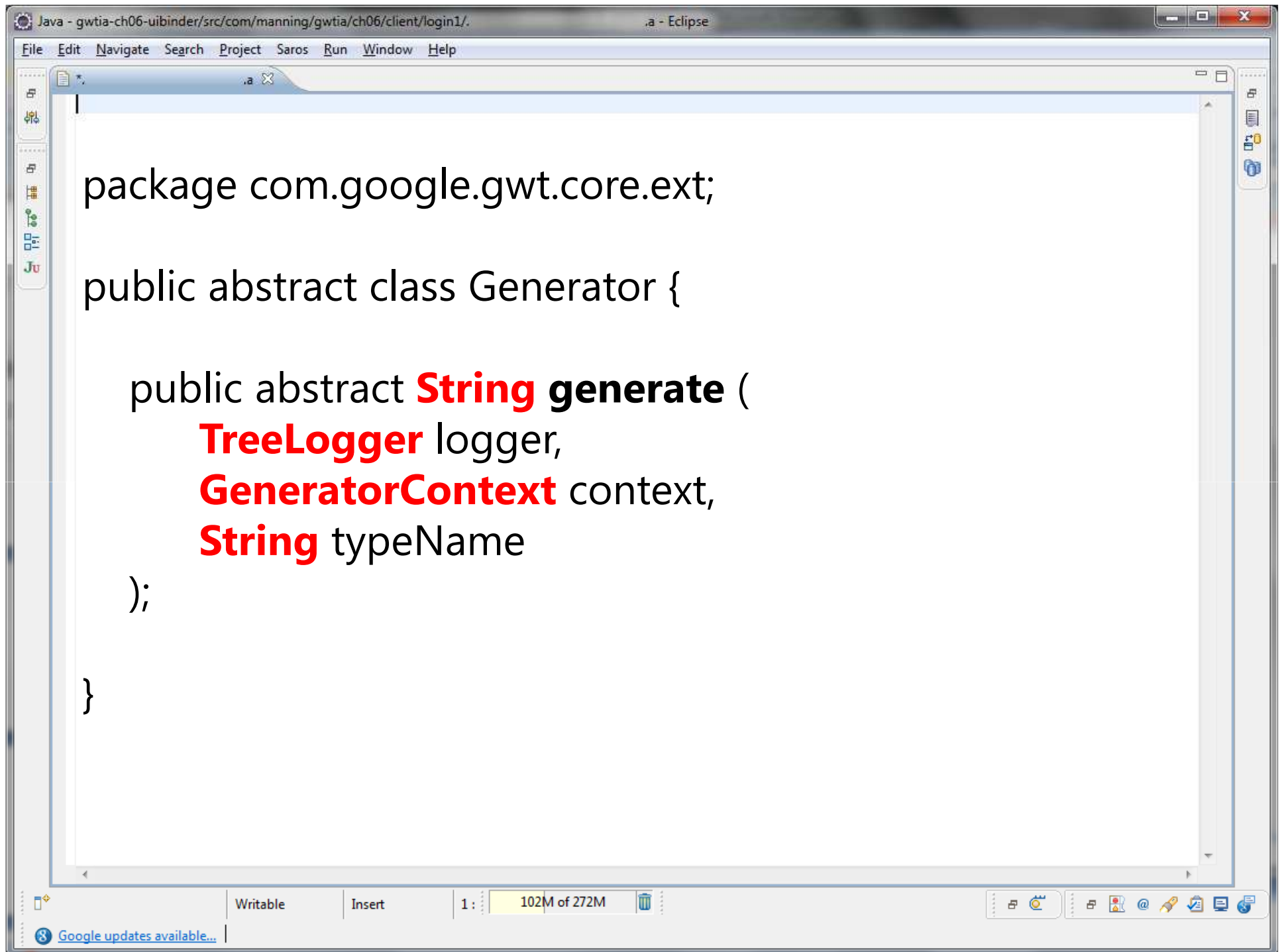
## UiBinder.gwt.xml

```
<generate-with  
  class="com.google.gwt.uibinder.rebind.UiBinderGenerator">
```

```
  <when-type-assignable  
    class="com.google.gwt.uibinder.client.UiBinder"/>
```

```
</generate-with>
```





The image shows a screenshot of the Eclipse IDE. The title bar reads "Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse". The menu bar includes "File", "Edit", "Navigate", "Search", "Project", "Saros", "Run", "Window", and "Help". The editor window contains the following Java code:

```
package com.google.gwt.core.ext;  
  
public abstract class Generator {  
  
    public abstract String generate (  
        TreeLogger logger,  
        GeneratorContext context,  
        String typeName  
    );  
  
}
```

The IDE status bar at the bottom shows "Writable", "Insert", "1 : 102M of 272M", and a "Google updates available..." notification.

# Review

1. **GWT.create(...);**

2. **<generate-with ...>...</generate-with>**

3. **generator.generate(...);**

4. **return "SomeClass";**

5. **obj = ~~GWT.create(...)~~ new SomeClass();**

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a x
public class LoginDialogBox extends PopupPanel
{
    ...
    static MyBinder binder = GWT.create(MyBinder.class);

    public LoginDialogBox() {
        Widget w = binder.createAndBindUi(this);
        this.add(w);
    }
    ...
}
```

Writable | Insert | 1 : 102M of 272M | Google updates available...

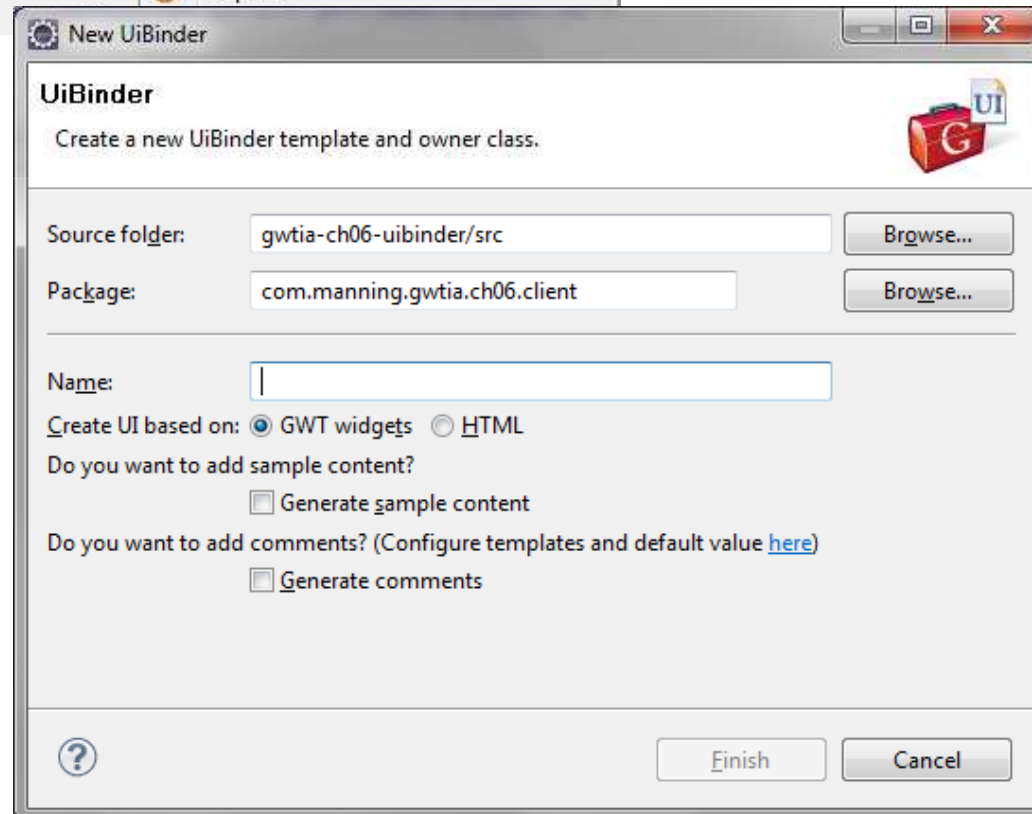
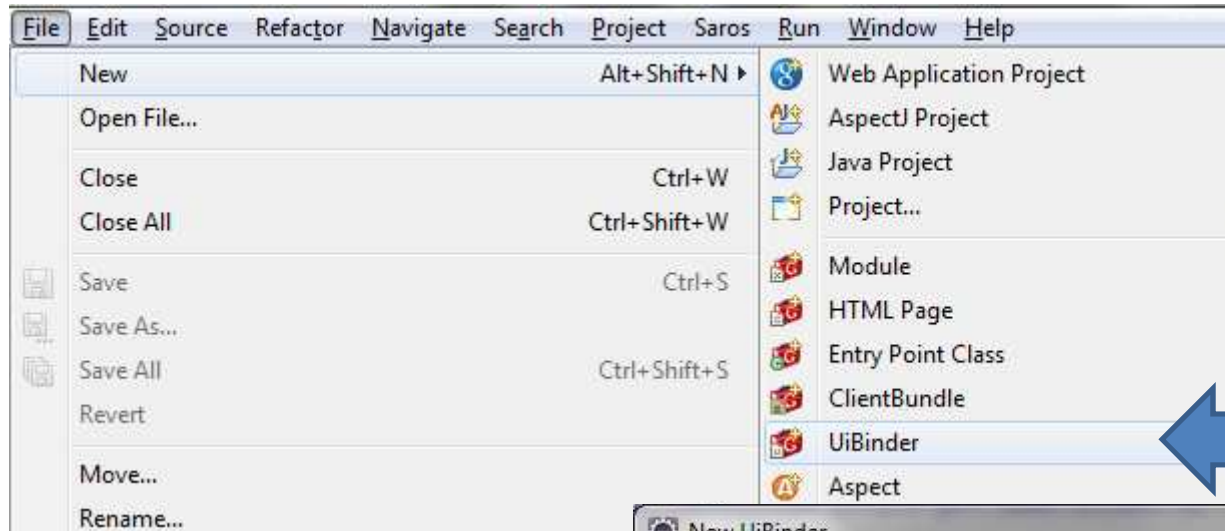
```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a x
public class LoginDialogBox extends PopupPanel
{
    ...
    interface MyBinder
        extends UiBinder<Widget, LoginDialogBox> {}

    static MyBinder binder = GWT.create(MyBinder.class);

    public LoginDialogBox() {
        Widget w = binder.createAndBindUi(this);
        this.add(w);
    }
    ...
}
```

Writable Insert 1 : 102M of 272M

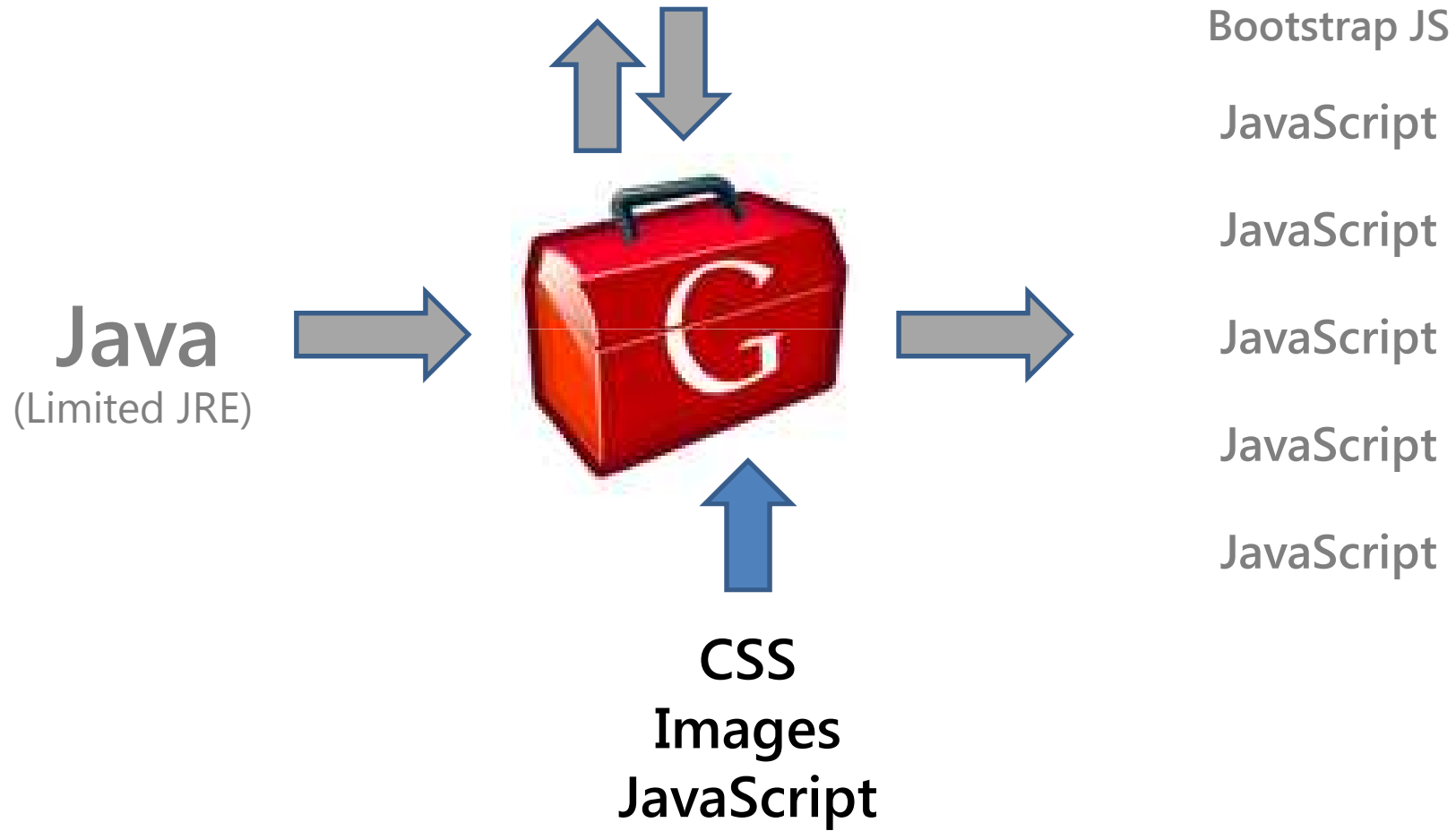
Google updates available...





# Client Bundle

# Code Generators



Firefox

Robert (30+) - Google Wave

Robert | [Terms](#) | [Privacy](#) | [Help](#) | [Sign out](#)

Google wave labs

Google Wave will remain in service into 2011. [Learn more](#)

- [Inbox](#)
- [All](#)
- [By Me](#)
- [Requests](#)
- [Settings](#)
- [Trash](#)
- [Spam](#)

EXTENSIONS

SEARCHES

Contacts

Robert

Search contacts

- Ian C
- Chris
- Christian
- Harry

[Manage contacts](#)

with:public gwt 1 - 27 of lots

New wave with:public gwt

Follow Unfollow Archive Inbox Spam Read

	<b>JSONBOT RELAY DEMO</b> – blablabla !gadget-load iframe !wave-url хрень	8:09 am 99+ of 7486
	– ... Are you aware that it is a <b>GWT</b> project? GWT compiles java code	Apr 24 99+ of 193
	<b>How to save Wave</b> – ... wouldn't be compatible with the existing wave,	Apr 23 99+ of 773
	<b>Google Wave Team - A wave of appreciation</b> – ... copy the gwt	Apr 20 99+ of 962
	<b>PyTide Wave Client</b> – ... I mean we know the client is <b>GWT</b> , so that i	Apr 19 99+ of 641
	<b>[1st Ed.] New and Previewed Wave in a Box Features: What are Yo</b>	Apr 18 99+ of 266
	<b>Photography Wave</b> – Wave about photography List of Flickr accounts	Apr 14 99+ of 403
	<b>April Fools' Jokes 2011</b> – Add them as you find them :) Google ... Ca	Apr 12 91 of 91
	<b>Update for the Wave in a Box login page.</b> – ... WIAB makes use of GW	Apr 12 80 of 80
	<b>Native Client</b> – Would you rather use a native (desktop application ...	Apr 10 99+ of 331
	<b>才发现Google wave是基于GWT的项目, 难怪这么卡啊.....</b> – 原来是GWT	Apr 9 33 of 33
	<b>DLFP</b> – Test 1 2 3 4... Maintenant que j'ai trouvé un wave DLFP ... ou ils	Apr 7 99+ of 219

Save search

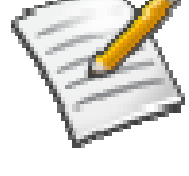
Start a new wave

- Blank wave
- Discussion
- Task tracking
- Meeting
- Document
- Brainstorm

What do you want to master?

- [Planning an event](#)
- [Drafting documents](#)
- [Brilliant brainstorming](#)







50ms



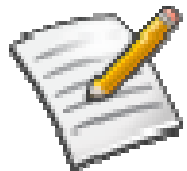
50ms



50ms



50ms



50ms



50ms

**= 300ms**



50ms



50ms

= 150ms



50ms



50ms



50ms

= 150ms



50ms



$$50\text{ms} \times 25 = 1250\text{ms}$$



$$50\text{ms} \times 25 = 1250\text{ms}$$



= 50ms + DL time



= 0ms

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a x
public interface MyIcons extends ClientBundle
{
    @Source("calendar.png") ImageResource calendar ();
    @Source("discuss.png") ImageResource discuss ();
    @Source("light.png") ImageResource light ();
    @Source("time.png") ImageResource time ();
    @Source("wave.png") ImageResource wave ();
    @Source("write.png") ImageResource write ();
}
Writable Insert 1 : 102M of 272M
Google updates available...
```

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a x
public class SomeClass
{
    ...
    MyIcons icons = GWT.create(MyIcons.class);
    Image img = new Image(icons.calendar());
    ...
}
```

Writable | Insert | 1 : 102M of 272M

Google updates available...

The image shows a screenshot of the Eclipse IDE. The title bar reads "Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse". The menu bar includes "File", "Edit", "Navigate", "Search", "Project", "Saros", "Run", "Window", and "Help". The editor window contains the following Java code:

```
public interface MyResources extends ClientBundle
{
    @Source("my.css") public CssResource css();

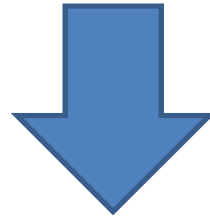
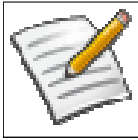
    @Source("config.xml") public TextResource config();

    @Source("cal.png") public ImageResource calendar();

    @Source("manual.pdf") public DataResource manual();
}
```

The IDE interface includes a toolbar on the left with icons for file operations and a toolbar on the right with icons for search and navigation. The status bar at the bottom shows "Writable", "Insert", "1 : 102M of 272M", and a "Google updates available..." notification.





The image shows a screenshot of the Eclipse IDE. The window title is "Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse". The menu bar includes "File", "Edit", "Navigate", "Search", "Project", "Saros", "Run", "Window", and "Help". The editor displays the following CSS code:

```
.foo { position: relative; }  
  
@if user.agent ie6  
{  
    .foo { position: relative; }  
}  
  
@elif user.agent safari  
{  
    .foo { \-webkit-border-radius: 4px; }  
}
```

The status bar at the bottom shows "Writable", "Insert", "1 : 102M of 272M", and a "Google updates available..." notification.



# Aggressive Caching



logo.jpg

```
<html>
```

```
<meta http-equiv="expires" content="..." />
```

```

```

```
</html>
```



Apache/mod\_cache



Squid cache



Akamai



logo.jpg

```
<html>
```

```
<meta http-equiv="expires" content="..." />
```

```

```

```
</html>
```



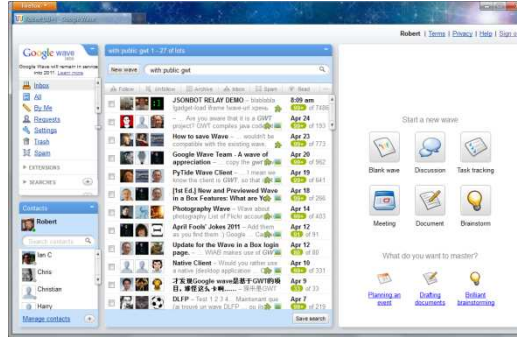
Apache/mod\_cache



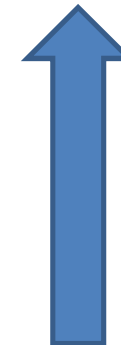
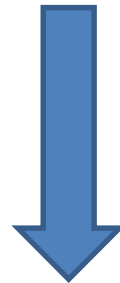
Squid cache



Akamai



**GET /logo.jpg**  
**If-Modified-Since: ...**  
**If-None-Match: ...**



**Etag: ...**  
**Last-Modified: ...**





logo-v1.jpg

```
<html>
```

```

```

```
</html>
```



logo-v2.jpg

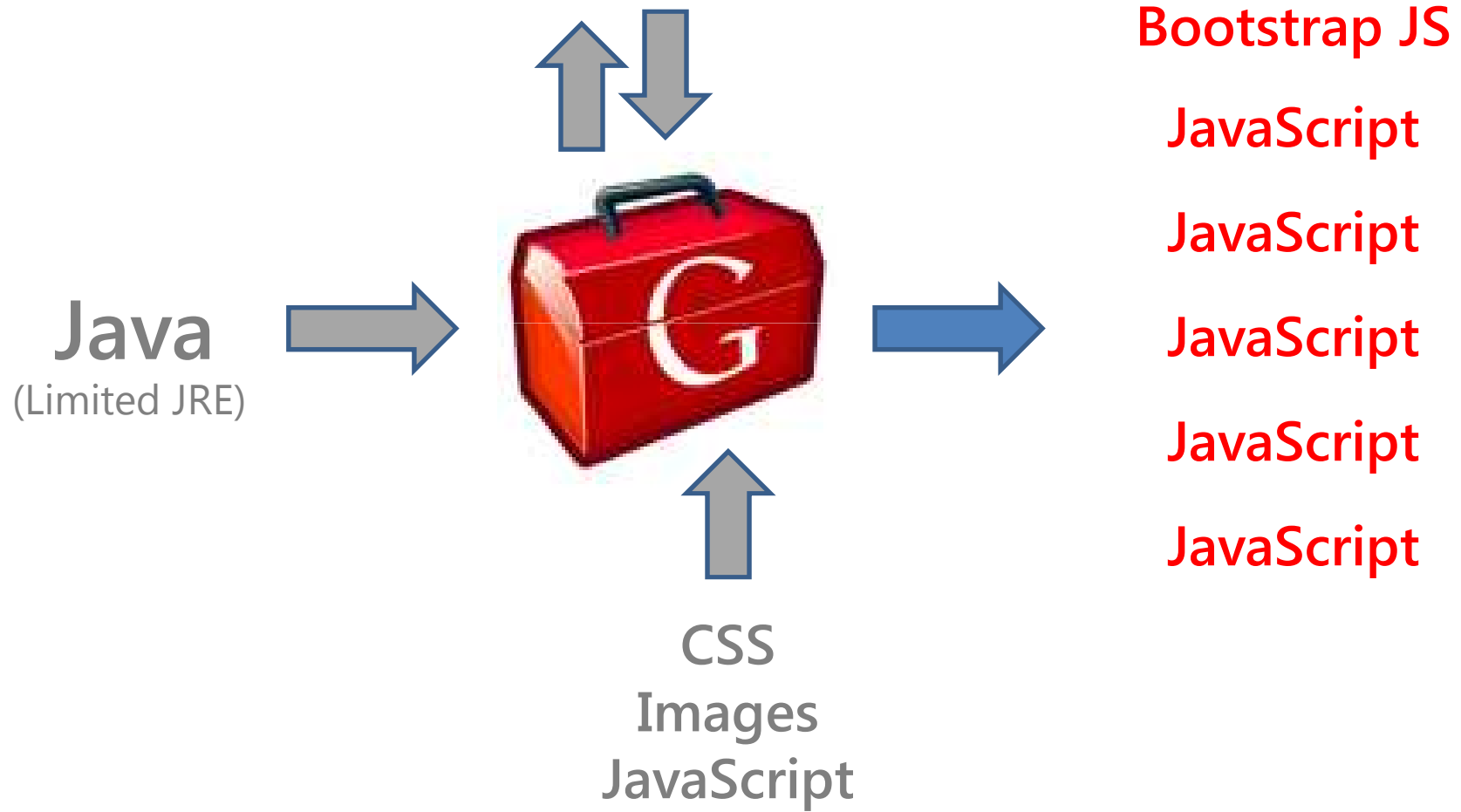
```
<html>
```

```

```

```
</html>
```

# Code Generators



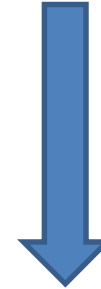


**Bootstrap JS**



my-gwt-project.**nocache**.js

**Application JS**



4390A5EFE906CD0CFDC5B676AF72379C.**cache**.html

803FB504992AAF55C54E4947FFFE9CE1.**cache**.html

9D3873E1E534A73F8B9313C4318453B0.**cache**.html

AD9F8401CFCDC7AE30E5A0A5C04D181B.**cache**.html

FA28F8002A4E670F1D7121C14570C2A7.**cache**.html

0A9476898799A150D840F0B1C3672921.**cache**.png



**ClientBundle images**

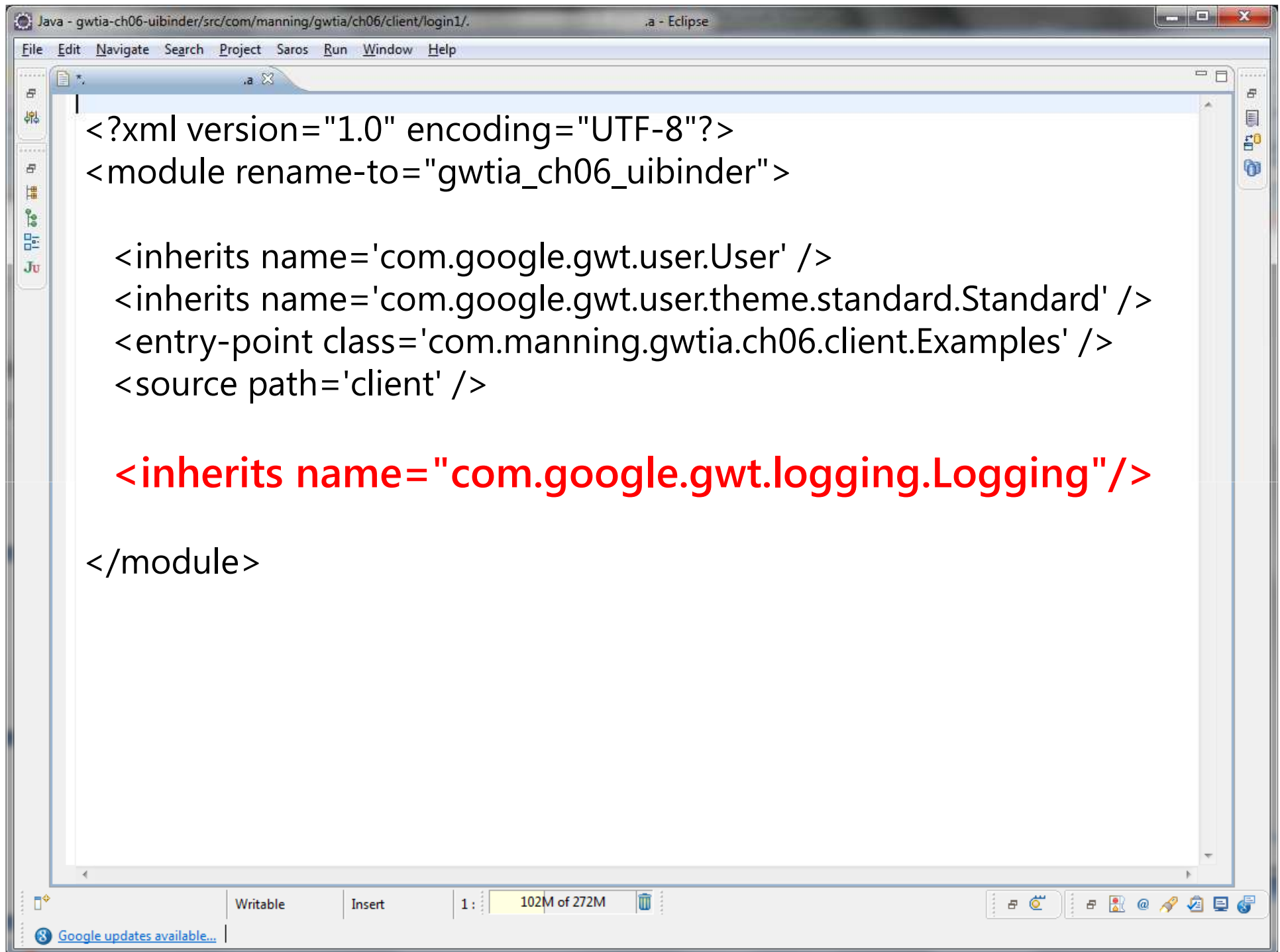
The image shows a screenshot of the Eclipse IDE. The title bar reads "Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse". The menu bar includes "File", "Edit", "Navigate", "Search", "Project", "Saros", "Run", "Window", and "Help". The main editor area contains the following XML code:

```
<Files *.nocache.*>  
  ExpiresDefault "access"  
</Files>  
  
<Files *.cache.*>  
  ExpiresDefault "now plus 1 year"  
</Files>
```

The status bar at the bottom shows "Writable", "Insert", "1 : 102M of 272M", and a trash icon. A notification for "Google updates available..." is visible in the bottom left corner.



# Logging



The image shows a screenshot of the Eclipse IDE. The title bar reads "Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse". The menu bar includes "File", "Edit", "Navigate", "Search", "Project", "Saros", "Run", "Window", and "Help". The main editor area contains the following XML code:

```
<?xml version="1.0" encoding="UTF-8"?>  
<module rename-to="gwtia_ch06_uibinder" >  
  
  <inherits name='com.google.gwt.user.User' />  
  <inherits name='com.google.gwt.user.theme.standard.Standard' />  
  <entry-point class='com.manning.gwtia.ch06.client.Examples' />  
  <source path='client' />  
  
  <inherits name="com.google.gwt.logging.Logging"/>  
  
</module>
```

The IDE status bar at the bottom shows "Writable", "Insert", "1:", "102M of 272M", and a trash icon. A notification for "Google updates available..." is visible in the bottom left corner.

Firefox

index

# GWT IN ACTION

## Examples

- Introduction
- Show S-Mart Login
- Hide S-Mart Login
- Show/Hide S-Mart Login
- Show Alt S-Mart Login
- Hide Alt S-Mart Login
- S-Mart Login (v1)
- S-Mart Login (v2)
- DisclosurePanel Example
- SplitLayoutPanel Example

## Introduction

Dear reader,

Although the UIBinder chapter as well as several other examples which includes in addition to

We hope that you learn as

### Show/Hide S-Mart Login

center of the page and over

### Show/Hide S-Mart Alt Login

changed because it was to layouts for the same widget

### S-Mark Login (v1) - This

### S-Mark Login (v2) - This

will display version 2 of the login form, which included the additional error message HTML code in the template. Although the template fields are bound to the Java class, there is still no styling or event handling.

### Login

```
Tue Apr 26 10:14:07 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: introPanel
Tue Apr 26 10:14:09 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: showLoginEx
Tue Apr 26 10:14:11 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: hideLoginEx
Tue Apr 26 10:14:13 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: disclosurePanelEx
Tue Apr 26 10:14:14 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: disclosurePanelEx
```

er, there were several versions of this widget the material we have created this demo, examples.

to be displayed, which is approximately the

This was the original design but it had to be @UITemplate annotation to provide two

ndling.

Console

HTML CSS Script DOM Net

Clear Persist Profile All Errors Warnings Info Debug Info

```
Tue Apr 26 10:14:14 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: splitLayoutPanelEx
Tue Apr 26 10:14:15 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: stackPanelEx
Tue Apr 26 10:14:16 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: radioButtonsEx
Tue Apr 26 10:14:17 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: clientBundleEx
Tue Apr 26 10:14:18 EDT 2011 com.manning.gwtia.ch06.client.ExamplePanel INFO: triggering event: introPanel
```

Run Clear Copy History

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a
<?xml version="1.0" encoding="UTF-8"?>
<module rename-to="gwtia_ch06_uibinder">

  <inherits name='com.google.gwt.user.User' />
  <inherits name='com.google.gwt.user.theme.standard.Standard' />
  <entry-point class='com.manning.gwtia.ch06.client.Examples' />
  <source path='client' />

  <inherits name="com.google.gwt.logging.Logging"/>

  <set-property name="gwt.logging.logLevel" value="SEVERE"/>
  <set-property name="gwt.logging.popupHandler"
    value="DISABLED"/>
  <set-property name="gwt.logging.enabled" value="FALSE"/>

</module>
```

Writable Insert 1 : 102M of 272M

Google updates available...

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.<?xml version="1.0" encoding="UTF-8"?>
<module rename-to="gwtia_ch06_uibinder">

  <inherits name='com.google.gwt.user.User' />
  <inherits name='com.google.gwt.user.theme.standard.Standard' />
  <entry-point class='com.manning.gwtia.ch06.client.Examples' />
  <source path='client' />

  <inherits name="com.google.gwt.logging.Logging"/>

  <set-property name="gwt.logging.consoleHandler" value="DISABLED" />
  <set-property name="gwt.logging.developmentModeHandler" value="DISABLED"/>
  <set-property name="gwt.logging.firebugHandler" value="DISABLED" />
  <set-property name="gwt.logging.hasWidgetsHandler" value="DISABLED" />
  <set-property name="gwt.logging.popupHandler" value="DISABLED" />
  <set-property name="gwt.logging.systemHandler" value="DISABLED" />

  <set-property name="gwt.logging.simpleRemoteHandler" value="ENABLED" />

</module>
```

Writable Insert 1 : 102M of 272M

Google updates available...



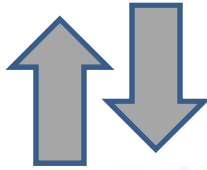
# Code Splitting



Java  
(Limited JRE)



Code Generators



CSS  
Images  
JavaScript



Bootstrap JS

... FireFox ...  
JavaScript\_initial  
JavaScript\_p1  
JavaScript\_p2  
JavaScript\_p3  
JavaScript\_extra

... IE 7+ ...

... IE 6 ...

... Safari ...

... Opera ...

```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a x
RunAsyncCallback callback = new RunAsyncCallback()
{
    public void onSuccess ()
    {
        // your split point code
    }

    public void onFailure (Throwable reason)
    {
        // handle the load error
    }
};

GWT.runAsync(callback);
```

Writable | Insert | 1 : 102M of 272M

Google updates available...

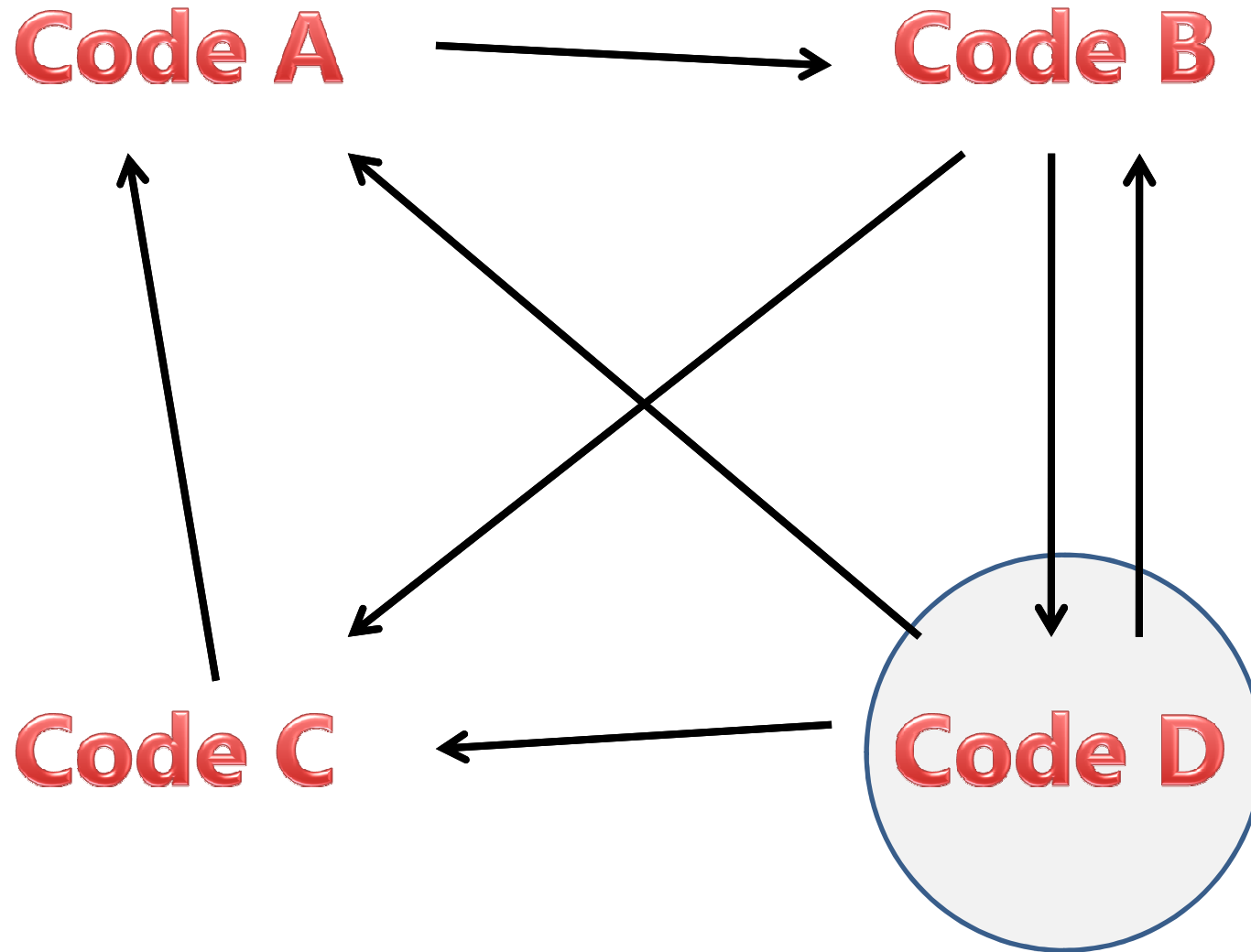
```
Java - gwtia-ch06-uibinder/src/com/manning/gwtia/ch06/client/login1/.a - Eclipse
File Edit Navigate Search Project Saros Run Window Help
.a x
RunAsyncCallback callback = new RunAsyncCallback()
{
    public void onSuccess ()
    {
        hideLoadingAnimation();
        UserPropertiesDialog.show();
    }

    public void onFailure (Throwable reason)
    {
        log.error("failed to load split point");
    }
};

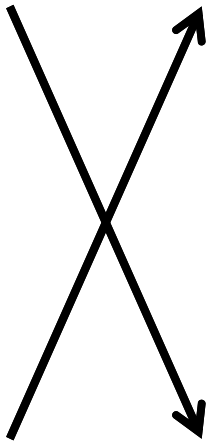
showLoadingAnimation();
GWT.runAsync(callback);
```

Writable Insert 1 : 102M of 272M

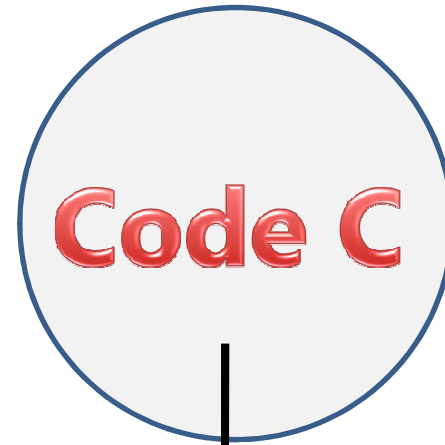
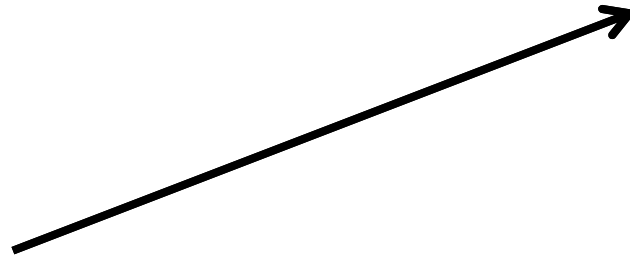
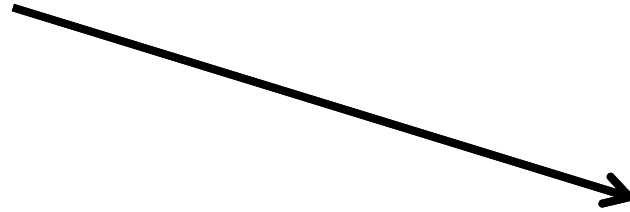
Google updates available...



**Code A**



**Code B**



**Code D**



Firefox


Compile report: Permutation 1

# Google web toolkit

## Compile report: Permutation 1

Full code size	Initial download size	Left over code
<b>94773 Bytes</b>	<b>33171 Bytes</b>	<b>61 Bytes</b>
<a href="#">Report</a>	<a href="#">Report</a>	<a href="#">Report</a>

### Split Points

#	Location	Size (Bytes)
1	com.manning.gwtia.ch19.client.car.CarGateway	 61541 Bytes (64.94%)

Firefox

Classes in split point 1: com.manning.g...

Google web toolkit

**Classes in split point 1: com.manning.gwtia.ch19.client.car.CarGateway**

**(Analyzing code subset: split point 1: com.manning.gwtia.ch19.client.car.CarGateway)**

Package: com.google.gwt.core.client	Size (Bytes)
com.google.gwt.core.client.JavaScriptException	569 (95.15%)
com.google.gwt.core.client.Scheduler	29 (4.85%)

Package: com.google.gwt.core.client.impl	Size (Bytes)
com.google.gwt.core.client.impl.AsyncFragmentLoader	172 (28.29%)
com.google.gwt.core.client.impl.StringBufferImplAppend	124 (20.39%)
com.google.gwt.core.client.impl.StringBufferImpl	51 (8.39%)
com.google.gwt.core.client.impl.AsyncFragmentLoader\$BoundedIntQueue	29 (4.77%)
com.google.gwt.core.client.impl.AsyncFragmentLoader\$HttpDownloadFailure	29 (4.77%)
com.google.gwt.core.client.impl.AsyncFragmentLoader\$HttpInstallFailure	29 (4.77%)
com.google.gwt.core.client.impl.AsyncFragmentLoader\$ResetAfterDownloadFailure	29 (4.77%)
com.google.gwt.core.client.impl.SchedulerImpl	29 (4.77%)
com.google.gwt.core.client.impl.XhrLoadingStrategy	29 (4.77%)



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☆ [UiBinder implementation question](#)

Hi All! This is my first post, so i hope this are the right place to post :) Recently I'm started to see the UiBinder feature that GWT 2.1 introduced, but while reading the documentation a doubt about the usage or implementation appeared. I understand the concept of UiBinding and the declarative UI definition and the owned class... [more »](#)

By roge.delgado - Apr 14 - [2 new of 2 messages](#) - [Report as spam](#)

☆ [Creating a DockLayoutPanel with non-fixed sizes ?](#)

Does anyone know if it is possible to create a layout panel that behaves like a dock layout panel, but allows the outer panels to size to their "natural" sizes? What I'm trying to accomplish is a panel with a north and a center. I want the North panel to size to the natural height of its contents, and the... [more »](#)

By Eric Andresen - Apr 14 - [7 new of 7 messages](#) - [Report as spam](#)

☆ [Cell List bound to selection issue?](#)

I'm not sure if this is the expected behaviour or it is a bug. When using a CellList with a MultiSelectionModel and a BOUND\_TO\_SELECTION keyboard policy: - You can not select multiple cells (when using CTRL + click). - Click events update the selection despite of any EventTranslator / CellPreviewHandler.... [more »](#)

By Javier - Apr 14 - [1 new of 1 message](#) - [Report as spam](#)

☆ [Fatal GWT Designer problem: line 75 contains unexpected attribute 'generator'](#)

Starting today, whenever I try to open a GUI class in GWT Designer window, the windows fails to come up. In the .gwt-log file I get the error indicated below. I really have no idea what could be causing the problem. I am able to run the application in both hosted and web mode without issue. As I have come to feel very dependent on this tool, any... [more »](#)

By cri - Apr 14 - [3 new of 3 messages](#) - [Report as spam](#)

☆ [GWT and Spring](#)


Hi everyone First post, so lets not blow it I did post this in the Spring forums as well. I've been searching quite a lot for ways to integrate GWT with Spring, but so far I haven't found any working method. I think that the problem is that some detail step is missing, but nevertheless here goes what I

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Sex  Male  Female

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Guest319741 & Guest309442 are playing. [Watch](#)

Game (id=94167)

8								
7								
6								
5								
4								
3								
2								
1								
	a	b	c	d	e	f	g	h

Options

Guest238049  
1270, Cat  
1:14:48

Guest308940  
1734, Bull  
1:26:00

Guest319752 from UNITED STATES is watching

[Click Here](#) to invite ur Facebook friends to watch this game live!

Last message at 04:13:50 PM

Guest308940's turn | Qd8

84 online | 0 friends | 16

Game (id=94167)

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Oxygen Blast - Google Web Toolkit (GWT) by Jason Shapiro www.Intertech.com This is a presentation on GWT training delivered by Intertech ...  
by IntertechTraining | 1 year ago | 2,235 views



**Google Web Toolkit 2.0 New Features**  
This video provides an overview of new features in Google Web Toolkit (GWT) 2.0, a tool which enables developers to produce highly optimized ...  
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HD



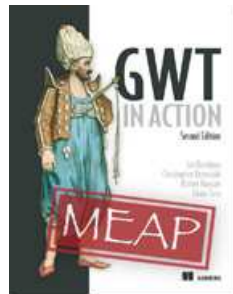
**Google I/O 2009 ...A Preview of Google Web Toolkit 2.0**  
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# Questions?



GWT in Action 2<sup>nd</sup> Edition  
Coming Soon

---

Robert Hanson  
[robert@roberthanson.org](mailto:robert@roberthanson.org)