

GWT

&

GWT-ext

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Agenda

- About GWT
- About GWT-ext
- Make simple UI with GWT-ext
- History Manager Demo



Google Web Toolkit Blog

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GWT 1.3 Release Candidate is 100% Open Source

Posted by Bruce Johnson, Engineering Manager - Tuesday, December 12, 2006 at 4:28:00 AM

Today is quite a milestone for Google Web Toolkit: with the [GWT 1.3 Release Candidate](#), our team is very happy to announce that all of GWT is open source under the [Apache 2.0 license](#). There's a lot to say, but let's start with our mission:

"To radically improve the web experience for users by enabling developers to use existing Java tools to build no-compromise AJAX for any modern browser."

Since our primary mission is to help users (as opposed to hoarding proprietary development tools), opening up GWT has always been a no-brainer – we just had to decide when. Now that GWT has some serious adoption and a [lively user community](#), open-sourcing is the obvious next step to help GWT evolve more quickly.

And we're committed to doing this the Right Way. All of our development will be done in the open, and we're going to be working directly from [the GWT project](#) on Google Code. We've created a charter document ("[Making GWT Better](#)") that describes the philosophical foundations of GWT as well as the nuts and bolts of [compiling GWT](#) yourself, [contributing code](#), and participating in the new [Google Web Toolkit Contributors](#) group. We'll be discussing the [GWT roadmap](#) and all technical decisions publicly, we've republished the [GWT web site documentation](#) under a [Creative Commons license](#), and, while we're at it, we'll be publishing our team meeting notes to the contributors group.

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More Google Dev

What's GWT ?

The screenshot shows a browser window titled "Showcase of GWT Features" with the URL `http://gwt.google.com/samples/Showcase/Showcase.html#CwDialogBox`. The page features the Google Web Toolkit logo and a navigation menu on the left with categories like Widgets, Lists and Menus, Text Input, Popups, Panels, Tables, Internationalization, and Other Features. The main content area displays an example of a Dialog Box, which is a draggable window with a title bar. The example includes a "Show Dialog Box" button and a list box containing "item 10". The page also has a language selector set to "English" and three theme color options (light blue, grey, black).

Showcase of GWT Features

GWT Homepage | More Examples

 **Google Web Toolkit**
Showcase of Features

English

⊕ Widgets
⊕ Lists and Menus
⊕ Text Input
⊕ Popups
⊕ Panels
⊕ Tables
⊕ Internationalization
⊕ Other Features

Example Source Code CSS Style

Dialog Box

The draggable DialogBox resembles a window and includes a title bar. You can adjust to opacity to allow some of the background to show through the popup.

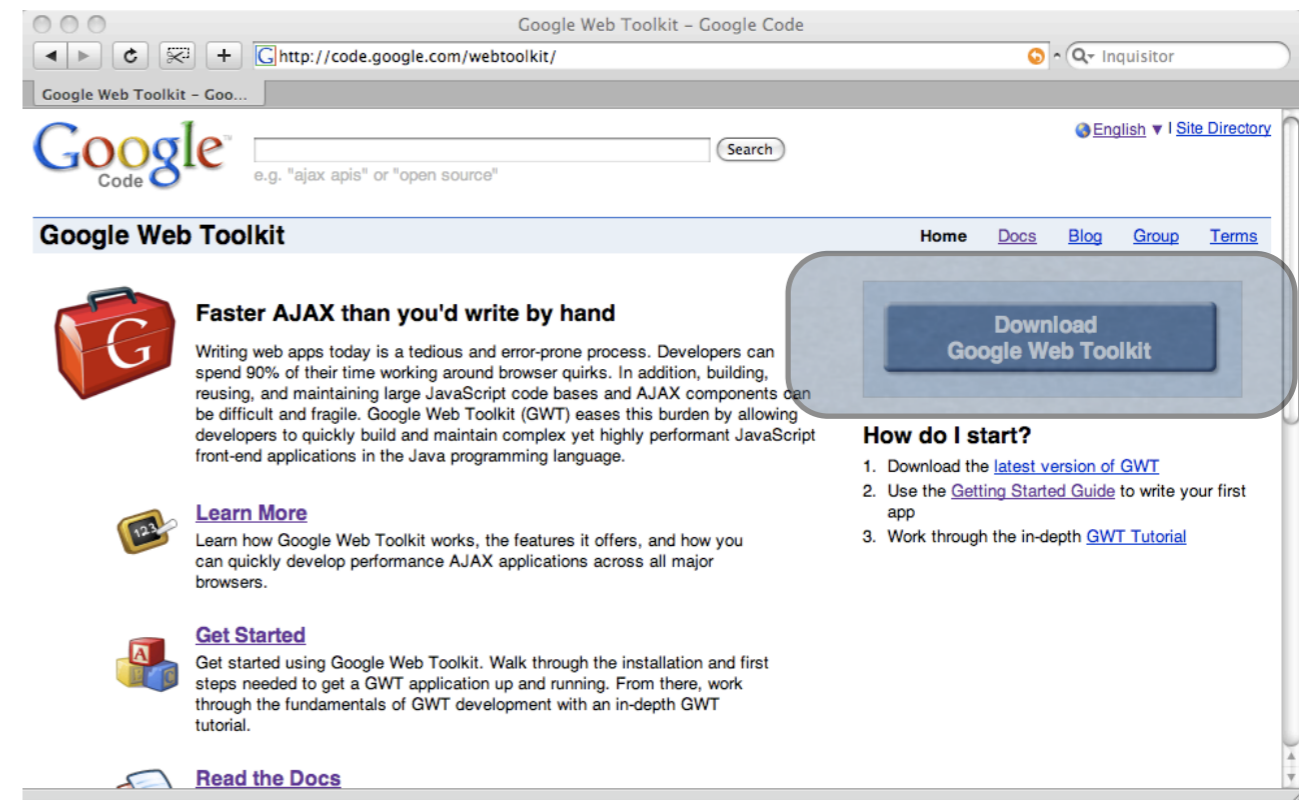
Show Dialog Box

This list box demonstrates that you can drag the popup over it. This obscure corner case renders incorrectly for many other libraries.

item 10

GWT means...

- Google Web Toolkit
- It's under "Apache 2.0 license"
- You can download library at <http://code.google.com/webtoolkit>



The screenshot shows the Google Code page for Google Web Toolkit. The browser address bar displays "http://code.google.com/webtoolkit/". The page features the Google Code logo, a search bar, and navigation links for Home, Docs, Blog, Group, and Terms. A prominent blue button labeled "Download Google Web Toolkit" is highlighted with a rounded rectangle. Below this, the main content area includes a red toolbox icon with a white 'G' and the heading "Faster AJAX than you'd write by hand". The text describes the tedious nature of writing web apps and how GWT eases this burden. Three links are provided: "Learn More" (with a calculator icon), "Get Started" (with a block letter 'A' icon), and "Read the Docs" (with a document icon). A "How do I start?" section lists three steps: downloading the latest version of GWT, using the Getting Started Guide, and working through the GWT Tutorial.

Advantage of GWT

- Easy to develop AJAX code with **Java**
- Don't need to write JavaScript code
- Easy to adapt if you used SWING or SWT

You can develop GWT with..

- Eclipse
- IntelliJ
- Netbeans
- etc...

About GWT-ext

What's GWT-ext

GWT-Ext 2.0.5 Showcase

http://www.gwt-ext.com/demo/

GWT-Ext 2.0.5 Showcase

Select Theme Gray

Table of Contents

- Credits
- Tree
- Buttons
- Layouts
- Panels
- Windows
- ComboBox
- Toolbar & Menu Examples
- Grids
- Forms
- Tab Panels
- Combination Samples
- Resizable
- Drag & Drop
- Portal
- Miscellaneous
- User Contributions
- Charts Showcase
- Maps Showcase

GWT-Ext 2.0.5 Showcase

Welcome to GWT-Ext 2.0.5

- Editable Tree
- Tree to Tree...
- Grid - Tree ...
- Menu Button
- Accordion La...
- Complex Layout
- Panels
- MessageBox &...
- Layout Window
- Basic ComboBox
- Linked ComboBox
- Paging ComboBox
- Styled ComboBox
- Live Search
- Toolbar & Menus

Tree View Accordion

GWT-ext is...

- GWT-ext is a powerful widget library that provides
 - rich widgets like Grid with sort,
 - paging
 - filtering

Related third party S/ W

- GWT
- Ext 2.0.2
- Yahoo UI
- Mapstraction
- PageBus

What's Ext-JS ?

- Ext JS is a cross-browser JavaScript library for building rich internet applications.
- Ext JS License
 - Commercial :Almost condition
 - Open Source
 - if you are creating an open source application with a license compatible

Advantage of GWT-ext

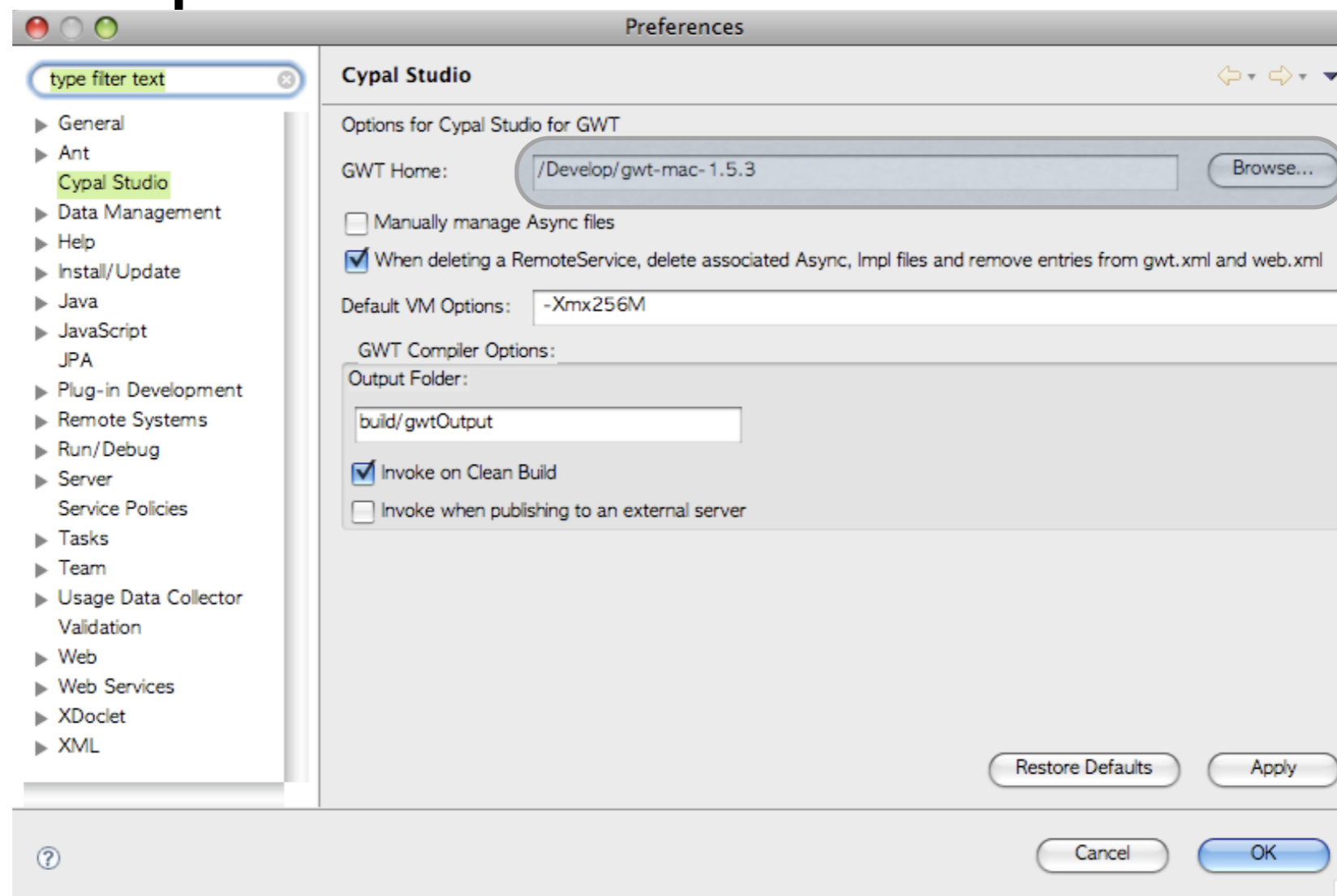
- Don't need to set CSS
- Easy to control UI.
- More dynamic UI than GWT
- Can change theme easily

Install reference

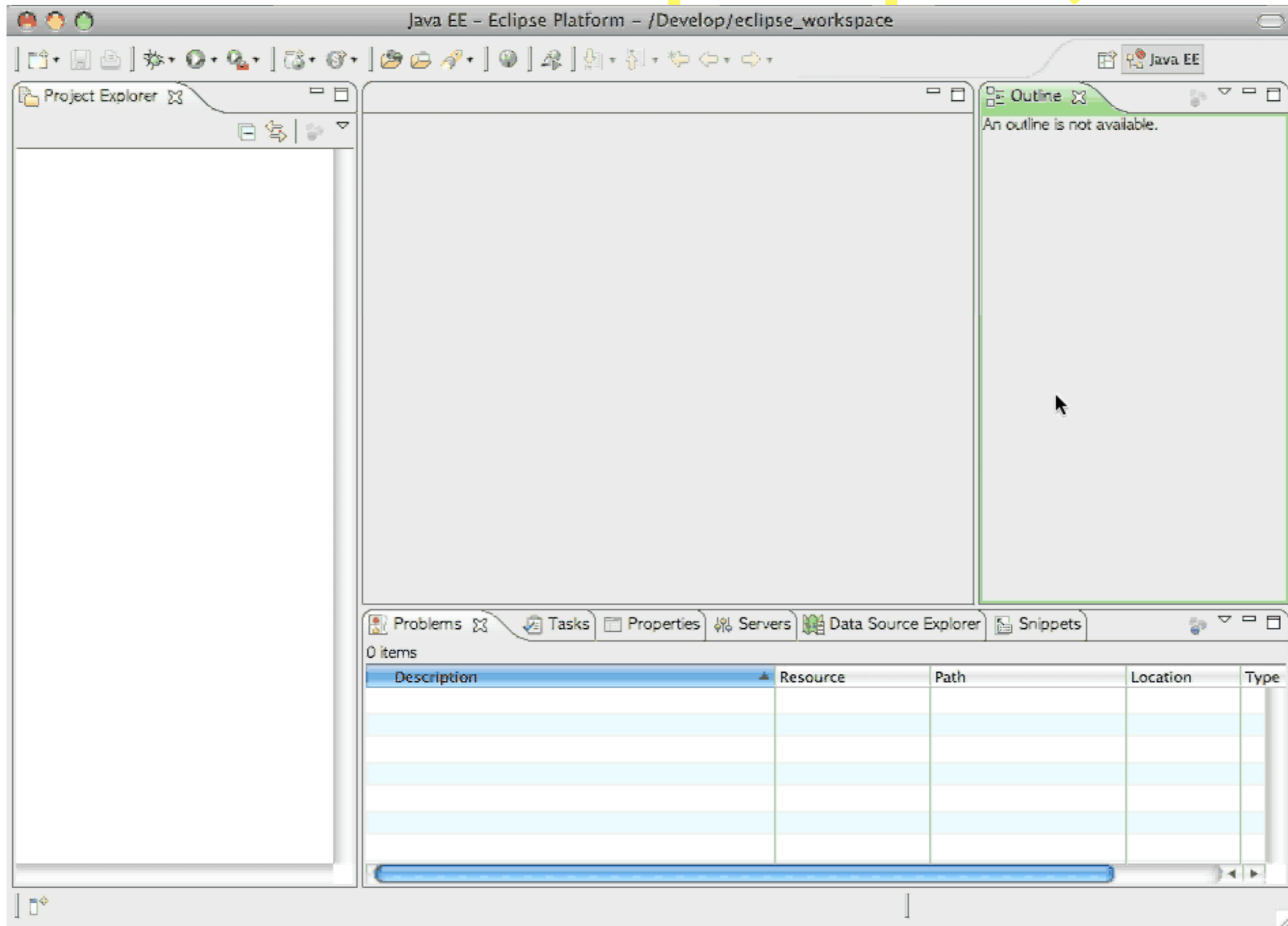
- You can see install guide at http://gwt-ext.com/wiki/index.php?title=Using_Eclipse
- or
- You can see "How to install screen cast" at <http://www.gwt-ext.com/screencasts/>

Set - Cypal-studio

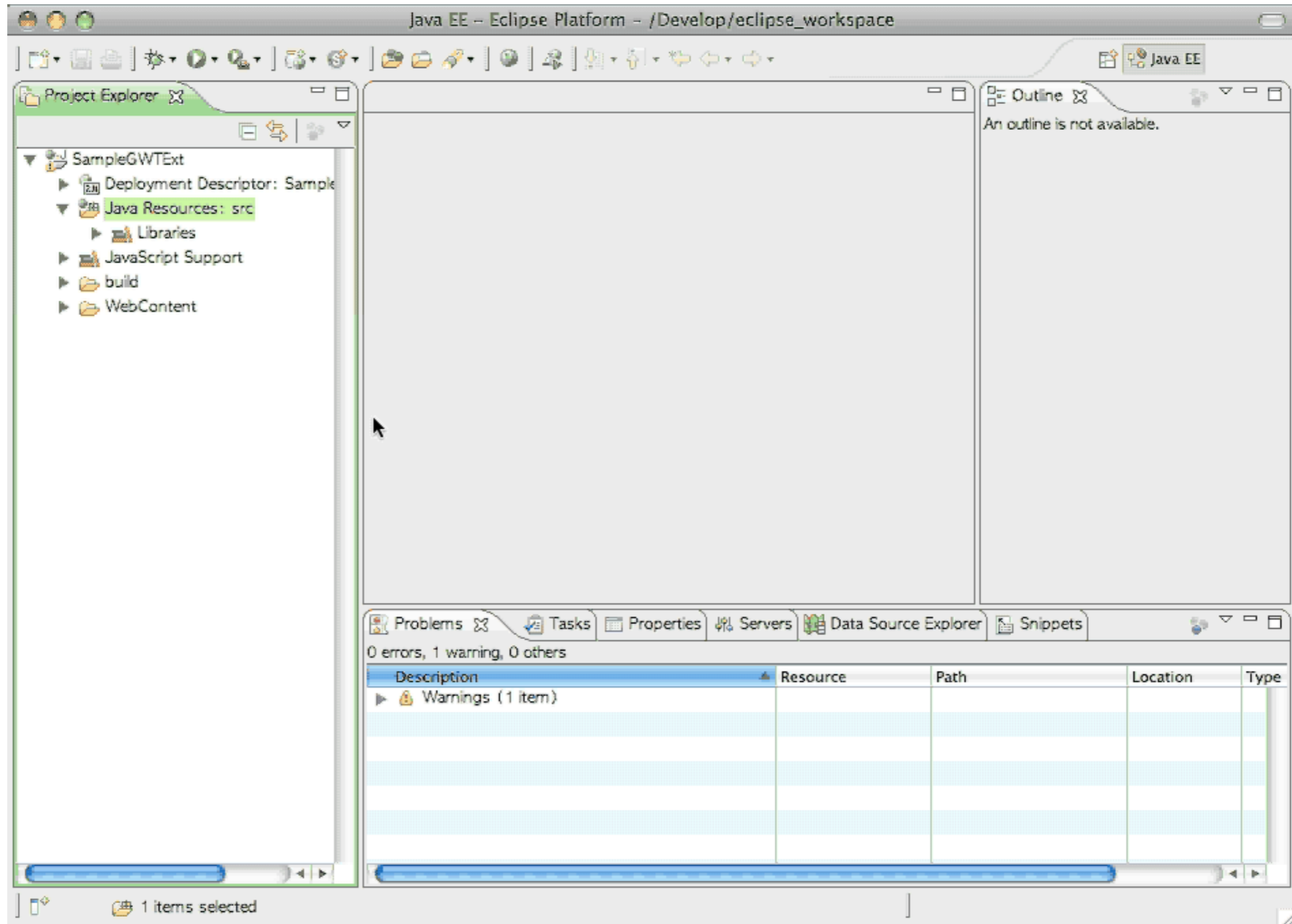
- Move "Preferences → Cypal Studio" menu
- Set Options



I. Make eclipse project



2. Make GWT Module



3. Add libraries

- Set gwttext.jar to build path
- Copy ext libraries
 - make `"/js/ext"` directory under public directory
 - copy below files under `"/js/ext"` directory
 - `ext-all.js`, `ext-all-debug.js`, `ext-core.js`, `ext-core-debug.js`

4. Modify *.gwt.xml file

```
<module>
```

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

```
<inherits name='com.gwttext.GwtExt' />
```

```
<entry-point class='xxx.client.GWTExtSample' />
```

```
<stylesheet src="js/ext/resources/css/ext-all.css" />
```

```
<script src="js/ext/adapter/ext/ext-base.js" />
```

```
<script src="js/ext/ext-all.js" />
```

```
</module>
```

5. Write sample codes

```
public class SampleGWText implements EntryPoint {  
  
public void onModuleLoad() {  
    Panel mainPanel = new Panel();  
    mainPanel.setTitle("Hello World!");  
    mainPanel.setWidth(600);  
    mainPanel.setHeight(400);  
  
    mainPanel.setFrame(true);  
    mainPanel.setHtml("<p>This is Sample</p>");  
    mainPanel.setStyle("margin: 10px 0px 0px 10px;");  
  
    RootPanel.get().add(mainPanel);  
}  
}
```

6. Run Sample codes

Demo

History Manager Demo

Thank you