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: GWT 1.3 Release Candidate is 100% Open Source

http://googlewebtoolkit.blogspot.com/2006/12/gwt-13-release-candidate-is-100-op

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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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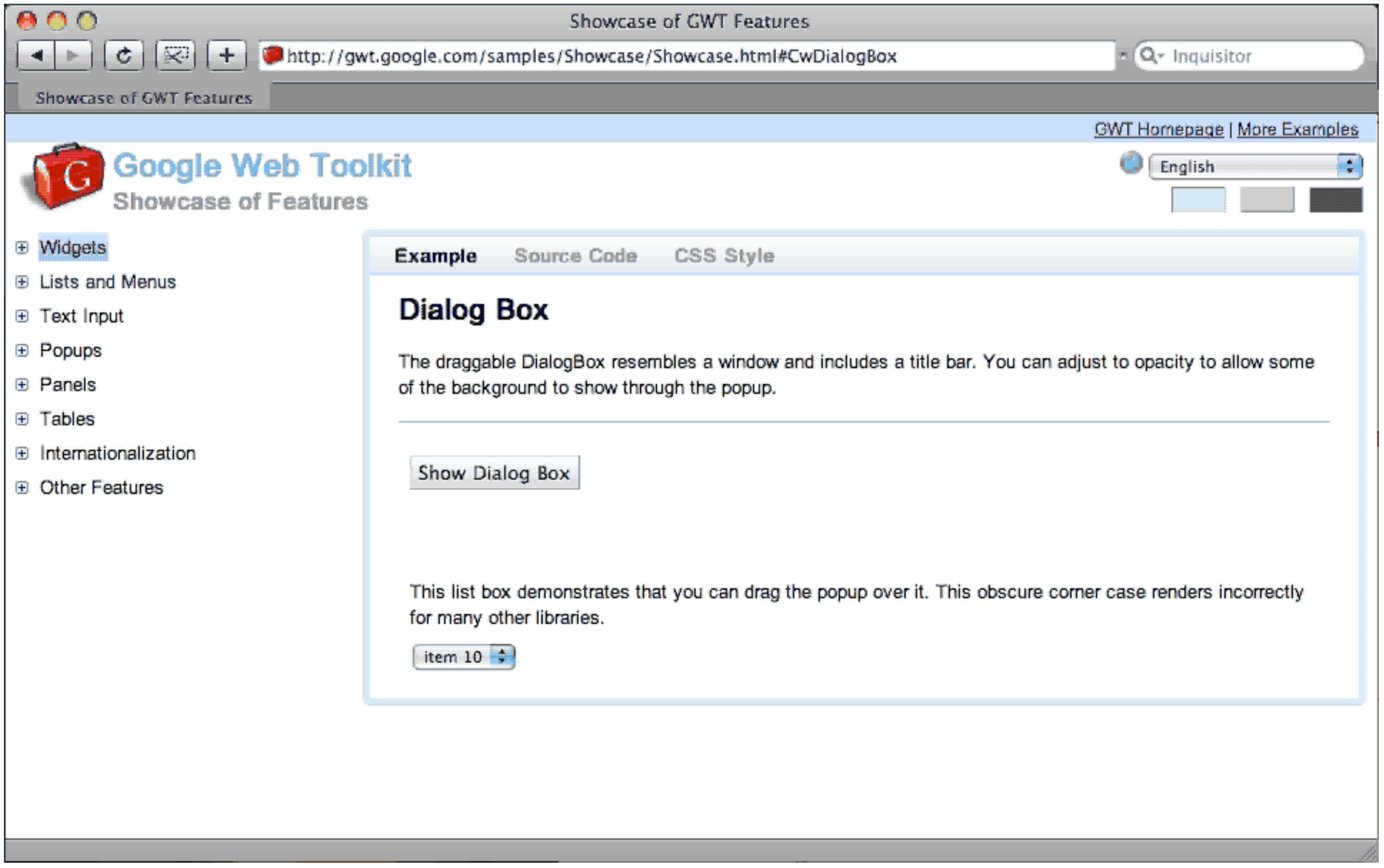
Message (1) processing took 123 ms

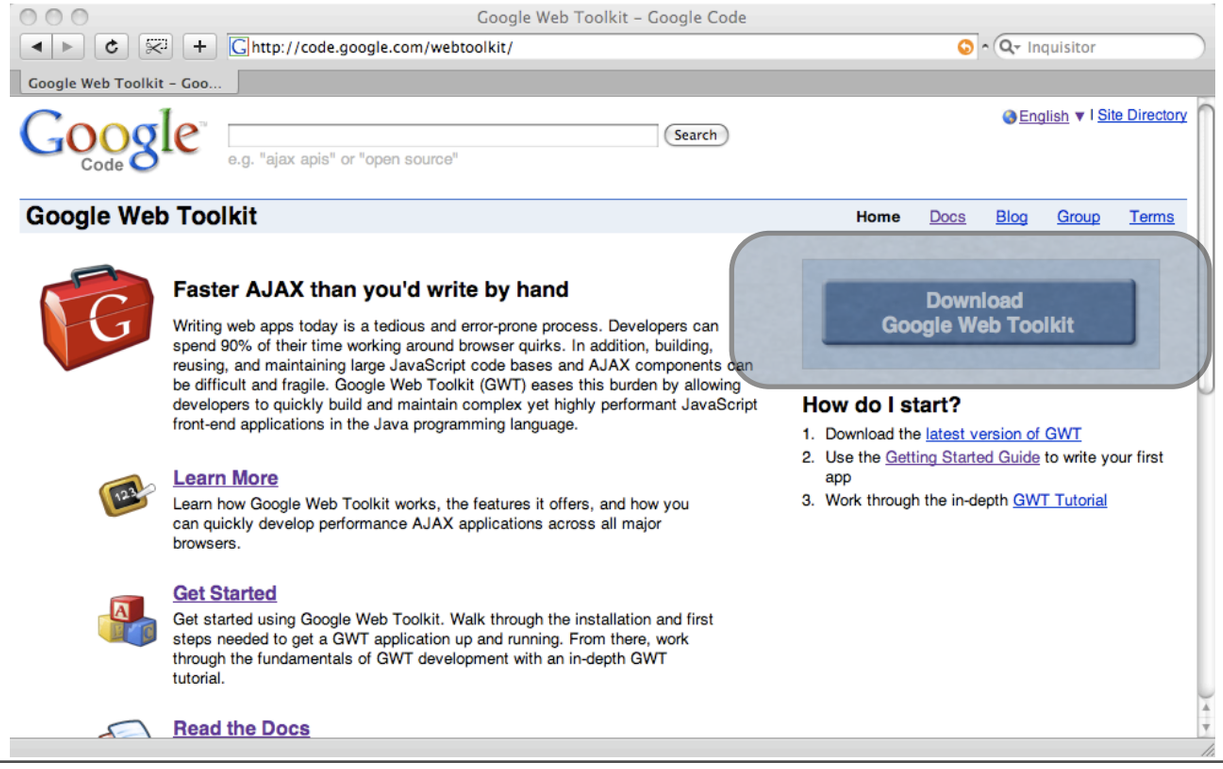
About GWT

What's GWT ?


Showcase of GWT Features
http://gwt.google.com/samples/Showcase/Showcase.html#CwDialogBox
Inquisitor
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



Advantage of GWT

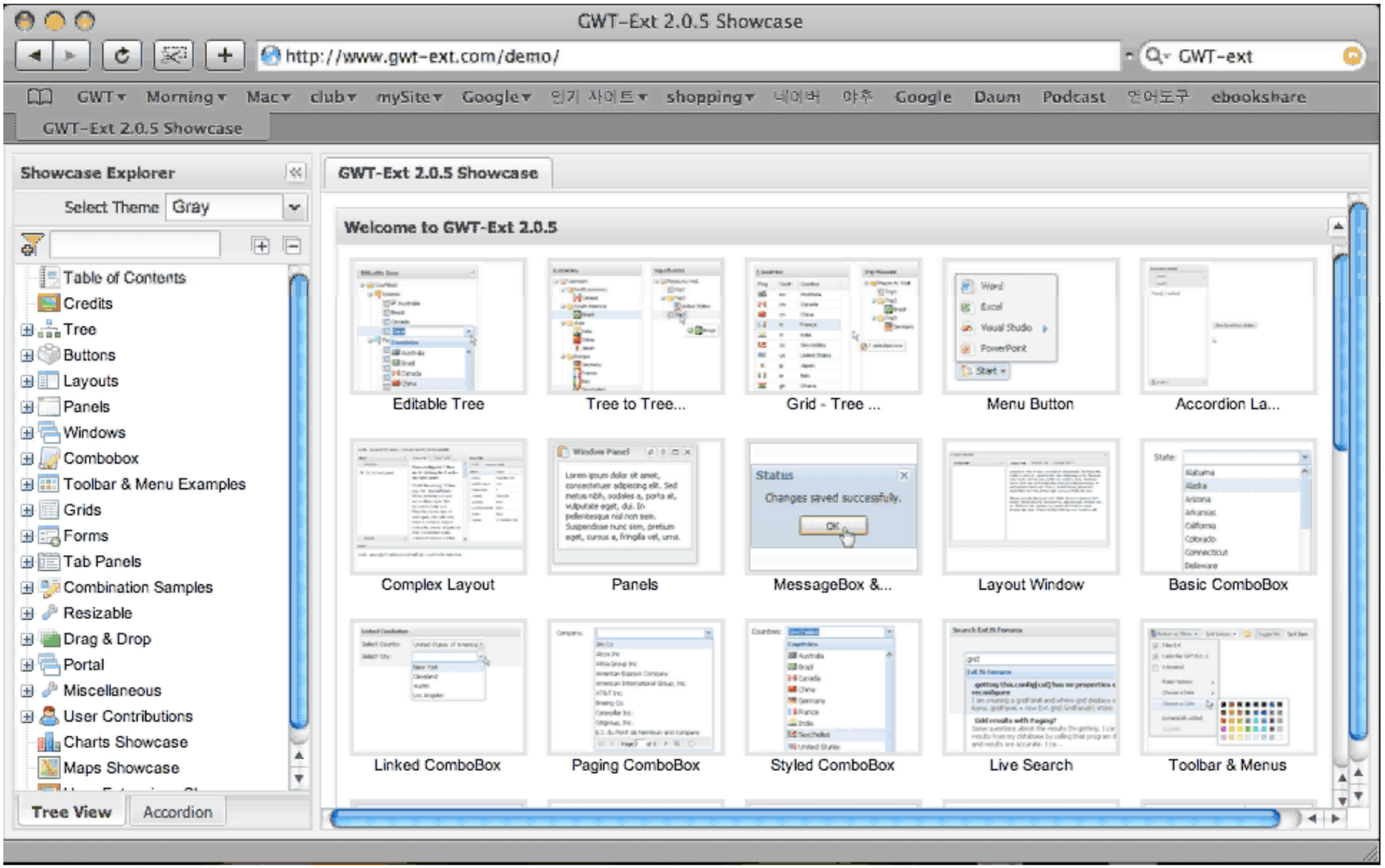
- Easy to develop AJAX code with Java
- Don't need to write JavaScript code
- Easy to adapt if you used SWING or SWT

You can develop GWT with..

- Eclipse
- IntelliJ
- Netbeans
- etc...

About GWT-ext

What's GWT-ext



GWT-ext 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

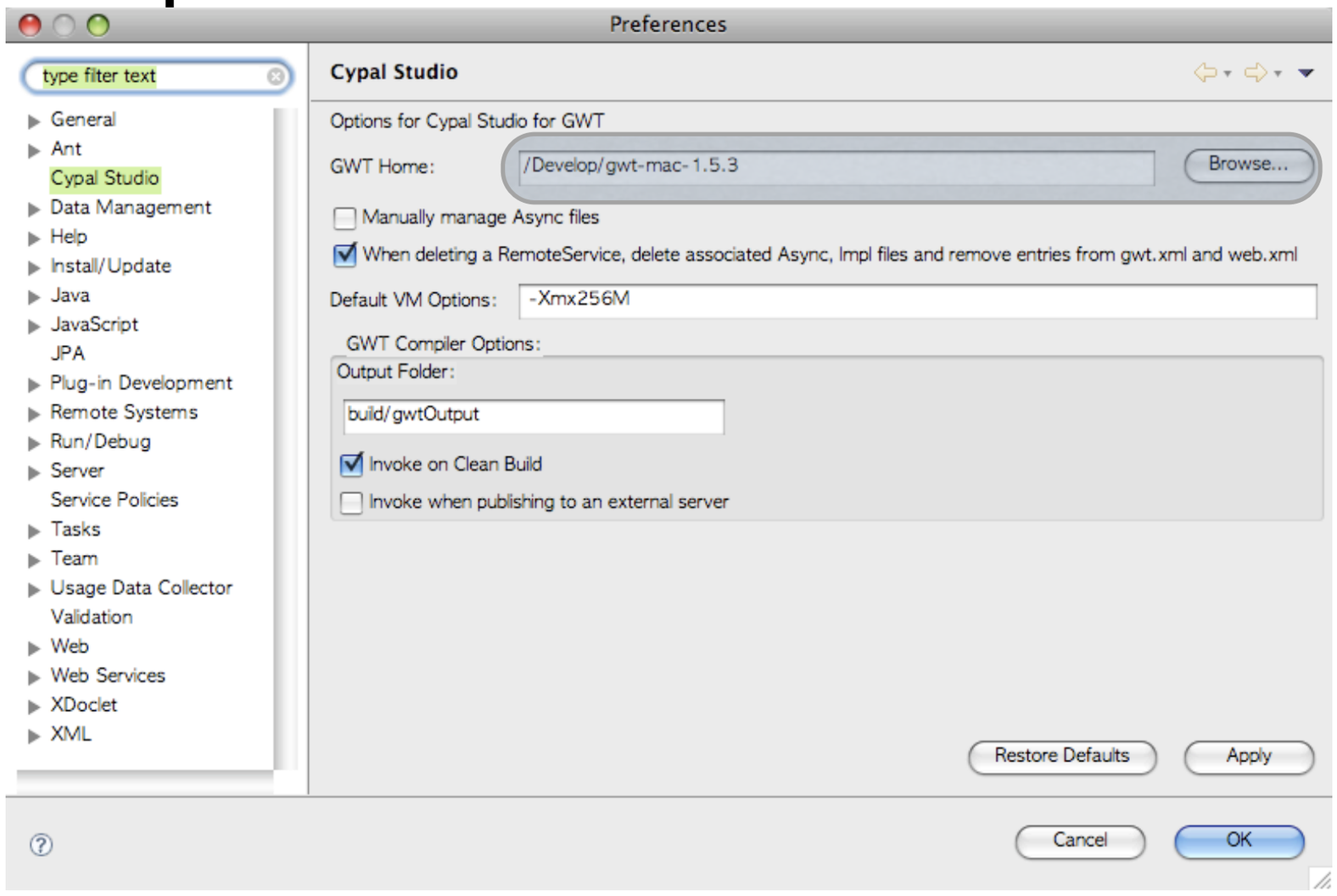
- You can see install guide at http://gwt-ext.com/wiki/index.php?title=Using_Eclipse

  or

- You can see "How to install screen cast" at http://www.gwt-ext.com/screencasts/

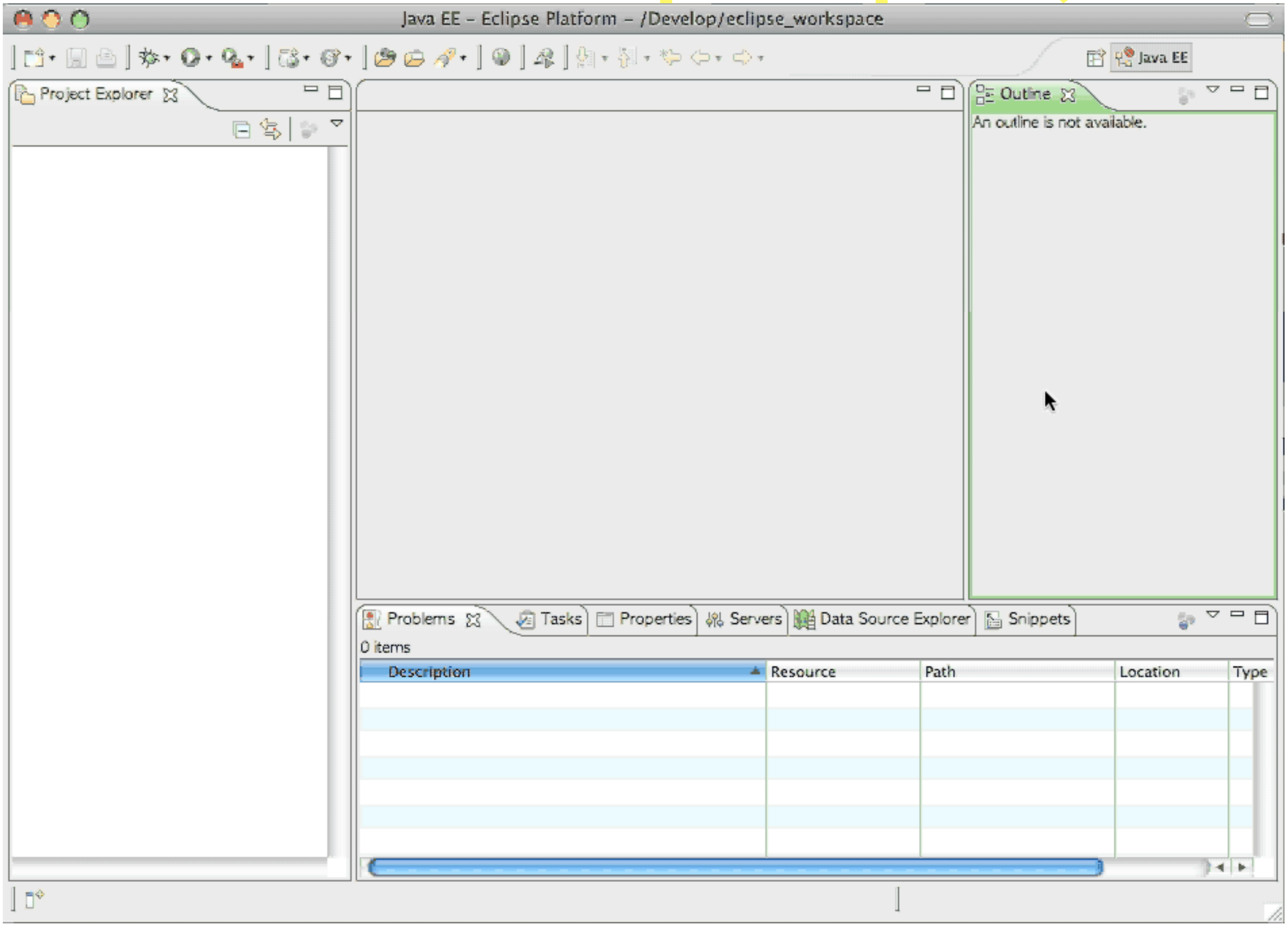
Set - Cypal-studio

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

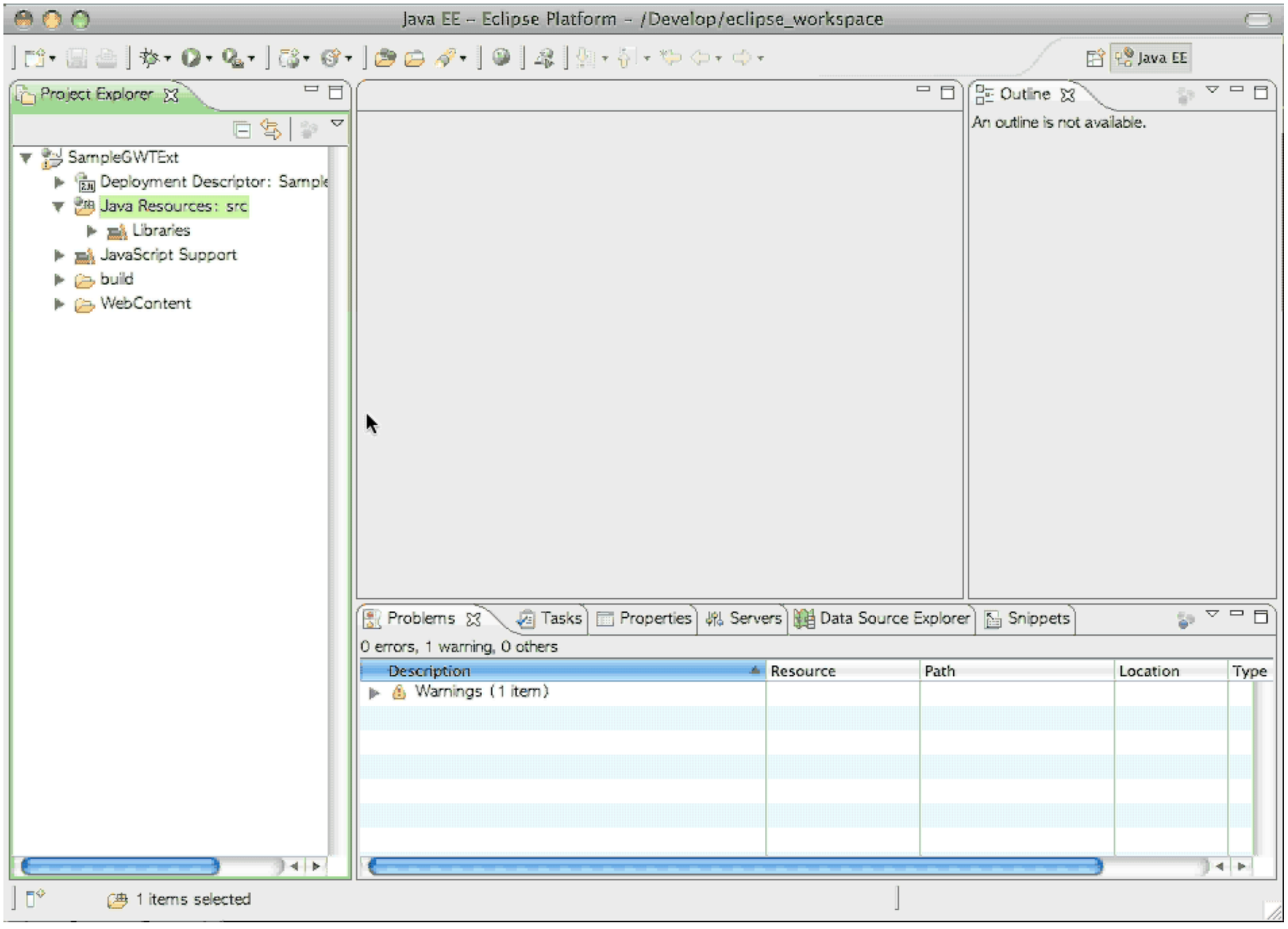


Make simple UI with GWT-ext

1. Make eclipse project



2. Make GWT Module



3. Add libraries

- Set gwtext.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.gwtext.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

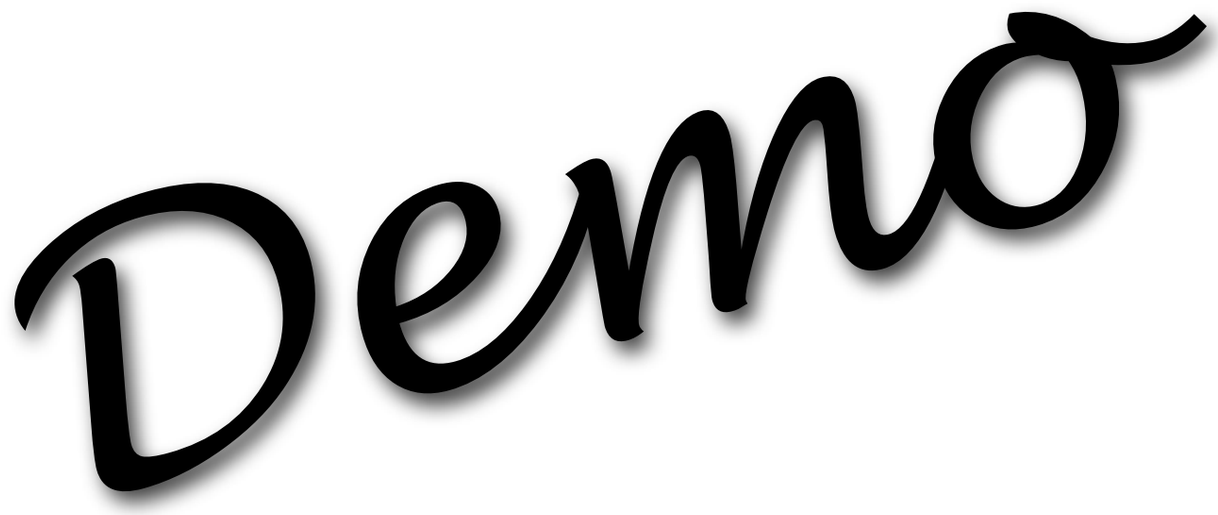
```
public class SampleGWTExt implements EntryPoint {

 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



History Manager Demo

Thank you