GWT

IntelliJ IDEA comes bundled with the *GWT Support* plugin that provides native support for developing Web applications based on the Google Web Toolkit ⊠ (GWT).

IntelliJ IDEA GWT support, that extends to the version 2.4, includes the following features:

- GWT-aware advanced coding assistance, including:

  - Smart DOM-based, browser-aware code completion.

    > No steps are required from your side to enable code completion. IntelliJ IDEA does it for you by adding the relevant *GWT DOCTYPE* to the `.xml` descriptor of a new module automatically.

  - Error and syntax highlighting.

  - Support for native GWT methods.

  - Code formatting and folding.

- Resolving and completion for the `new` expression in GWT JavaScript methods:

  ```
  var msg = @nik.client.MyModule.Message::|
  msg.@nik.client.MyModule.Message::  (m) ▣ Message(String message)
  /;                                   (m) ▣ showAlert()
                                       (m) ▣ equals(Object obj)
  ```

  ```
  var msg = @nik.client.MyModule.Message::new(Ljava/lang/String;)()
  msg.@nik.client.MyModule.Message::showAlert()()
  ```

- GWT-aware rename, move, and safe delete refactorings.

- GWT-aware code inspections and quick-fixes.

- Navigation to implementation, `Ctrl+Alt+B` or `Ctrl+Alt+Button1 Click`.

- navigate to declaration action and completion for references from Java code to HTML and CSS.

- Intention Actions that let create various application elements.

- Code blocks, live templates, and file templates.

- Integration with GWT compiler.

- GWT-ready internationalization (i18n).

- Resolving and completion for properties in `@Key` annotation.

- Automatic creation of GWT components: modules, entry points, remote services and serializable classes.

- Support of GWT specific run configurations for running and debugging GWT applications directly from IntelliJ IDEA.

- Basic Vaadin ⊠ support, implemented by the *Vaadin Support* plugin that comes bundled with IntelliJ IDEA.

> To familiarize yourself with GWT in IntelliJ IDEA, have IntelliJ IDEA generate a sample GWT application to help you explore the GWT application structure.

To develop an application using GWT, perform the following general steps

- Configure GWT support in your module.

- To familiarize yourself with the structure of a GWT application, create a sample application and analyze its contents.

- Create GWT-specific components.

- Populate the components with necessary classes.

- Create a run configuration and specify whether you need the application opened in the browser or not.

- Run the application.

- Analyze the compiled output of your application using GWT compile reports.

- When necessary, update the running application.

See Also

Concepts:

- Facet

Procedures:

- Managing Facets

- Creating a Project from Scratch

Reference:

- Additional Technologies

- GWT Facet Page

Web Resources:

- Developer Community