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## PROJECT ASSIGNMENT

Object Oriented Programming (OJ IIA0302)

# JEdit - Text Editor for a Programmer

Sample: <https://github.com/finbrein/jedit-text-editor>

### The general idea about the application:

The general idea is to develop a simple text editor for a programmer. The text editor is developed as a Java Swing Application.

It is a simple text editor that supports multiple document interface (MDI), whereby a user can work on several documents at the same time by opening several windows or tabs. It is possible to minimize and maximize each window in the app. There is a bar for line numbering on the left side of the window and a status line at the bottom of the user interface.

The application allows a user to Create a new file, Open an existing file, Save a file, Save As for a file, Close the selected tab from the tabbed pane, Exit or quit the program. In this application, programmer or user can also edit the plain text in the code area. User can Cut, Copy, Paste and Select All text.

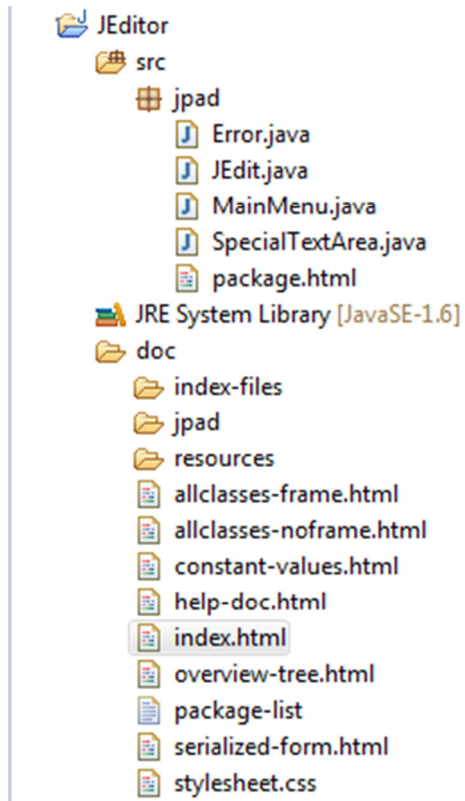
In addition to Edit, I have added formatting options to Bold, Italicize, Normalize the content of the code area. I have also included options to change the size, font type and color of the text document.

I have used JTextArea component. It is more suited for editing program source code than JEditorPane, because it drops the unnecessary features (images, variable-width lines, and so on). It is also faster and doesn't have as many problems. It can be used in other applications.

Technology involved includes Java. The development environment is Eclipse Java EE IDE for Web Developers. Version: Helios Service Release 2. In addition to my own comments, the Javadoc comments are generated using JAutodoc 1.9.0. A plugin that can be installed in Eclipse. The Javadoc document is generated using Javadoc in Eclipse.

### Directory Structure:

JEdit Swing Application:



The application was developed by using Eclipse Java EE IDE for Web Developers.

Version: Helios Service Release 2.

The Javadoc is generated using JAutodoc 1.9.0. A plugin that can installed in Eclipse.

### Necessary Element:

+ Java 1.6 SDK.

### Configuration:

+ Eclipse is installed

+ Java SDK is installed

### Packaging:

Download the project from the repository.

Import the project into Eclipse using File | Menu , and import...

Run

### DEPLOYING A RUNNABLE JAVA APPLICATION

I have created a runnable JAR file called JEditor.jar. This can be created by following the instruction here - <http://bit.ly/jrctn9>

The application can be run by double-clicking on it.