Adding the concurrent test framework to your project

Using the JAR in Eclipse

First, set up a new project for concurrent programming. Then, make sure you download the *concurrent-junit-1.0.jar* file and put it inside the *lib* directory of your Eclipse project (create the directory if it not exists). Make sure you opened your project in Eclipse. We will add JUnit 4 to your classpath, as well as the *concurrent-junit* JAR.

1. Open the *Project* menu and choose *Properties*.
2. Choose *Java Build Path* in the left menu.
3. Open the tab *Libraries* on the right side of the window.
4. Press the button *Add Library…*
5. In the wizard, choose option *JUnit* and press *Next >*.
6. Make sure for *JUnit library version*, *JUnit 4* is the selection option. Press *Finish*.
7. Back in the *Java Build Path* view, press the button *Add JARs….*
8. In the window, navigate to the *lib* directory in your project and select the *concurrent-junit-1.0.jar*.
9. Press *OK* to add the JAR file to your project.
10. Back in the *Java Build Path* view, press the button *OK* to close the window and save the project settings.

Now you are ready to write JUnit 4 tests using the concurrent test framework. Please see the examples for more documentation on how to use this framework.

Using the JAR in IntelliJ

First, set up a new project for concurrent programming. Then, make sure you download and save the following files in a place you know, for example, the *lib* directory inside your project directory:

- *junit-4.12.jar*
- *hamcrest-core-1.3.jar*
- *concurrent-junit-1.0.jar*

Make sure you opened your project in IntelliJ. Perform the following tasks:

1. Open the *File* menu and choose *Project Structure*.
2. Choose *Modules* in the left menu.
3. Open the tab *Dependencies* on the right side of the window.
4. Click the green '+'-sign. In the opened menu, choose *JARs or directories*.
5. Navigate to the folder containing the JAR files and select all 3 JAR files saved earlier (you can select multiple JAR's at once using CTRL or Command).
6. Press *OK* to add the JAR files to your project.
7. Click the *OK* button to choose the *Project Structure* window and save the changes.

Now you are ready to write JUnit 4 tests using the concurrent test framework. Please see the examples for more documentation on how to use this framework.