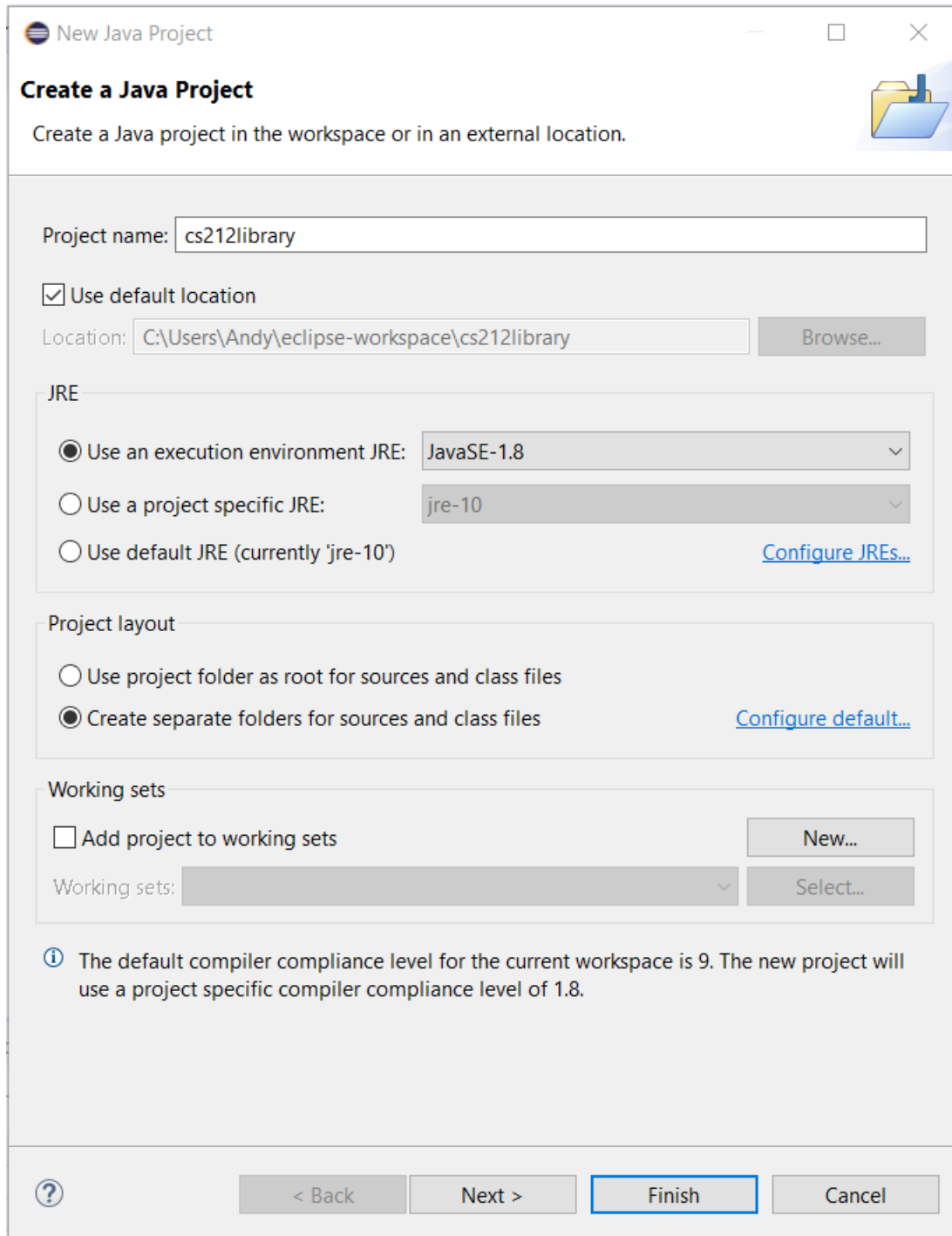# Creating a Library for Your Stack and Queue Classes

Create a new Java project called cs212library.

Create a new Java package called cs212lib.
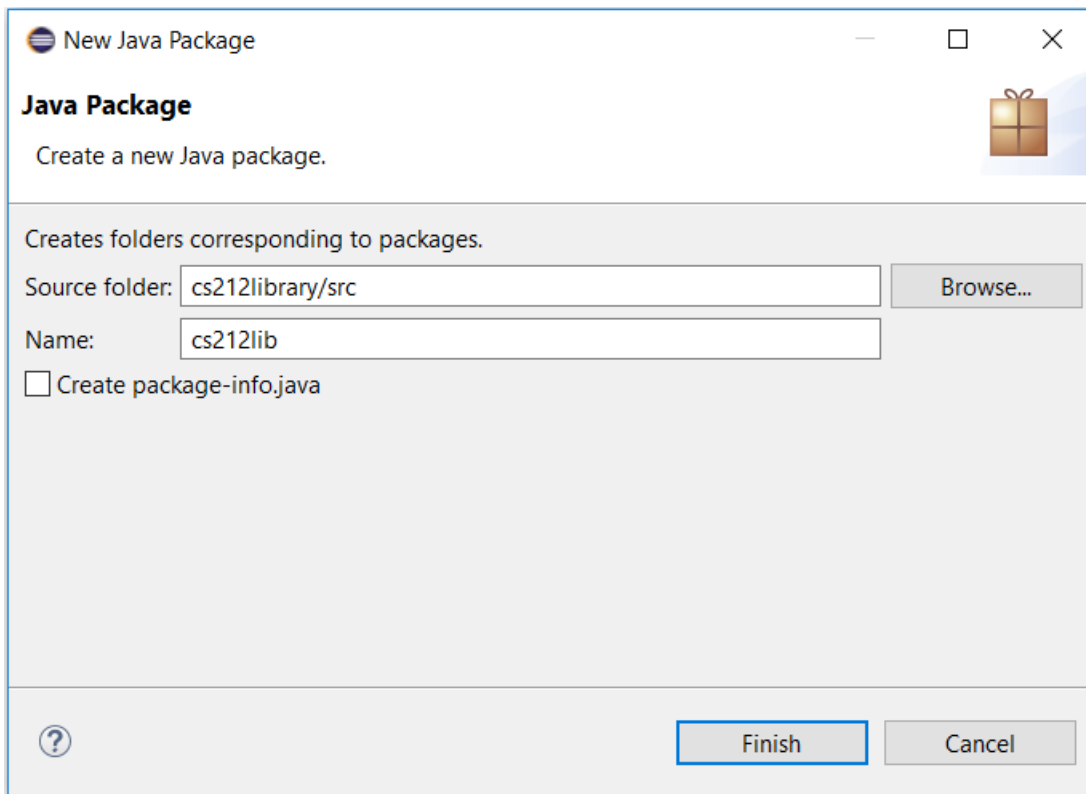
Move or copy the classes for the Stack and Queue into the package.
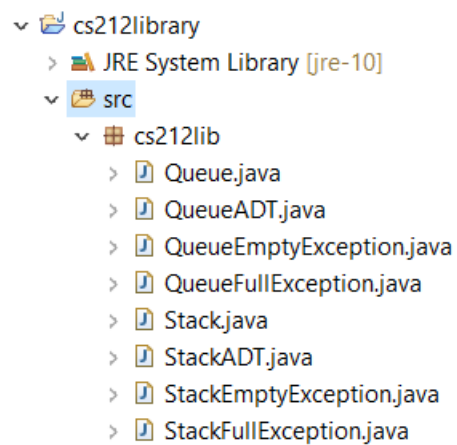
Export the project as a JAR file:

Select the project name, right-click and choose **Export...**

Expand Java in the **Export** dialog box.

Select JAR file, and click the **Next>** button.

Specify the export destination for the JAR file, in the JAR Export dialog box.
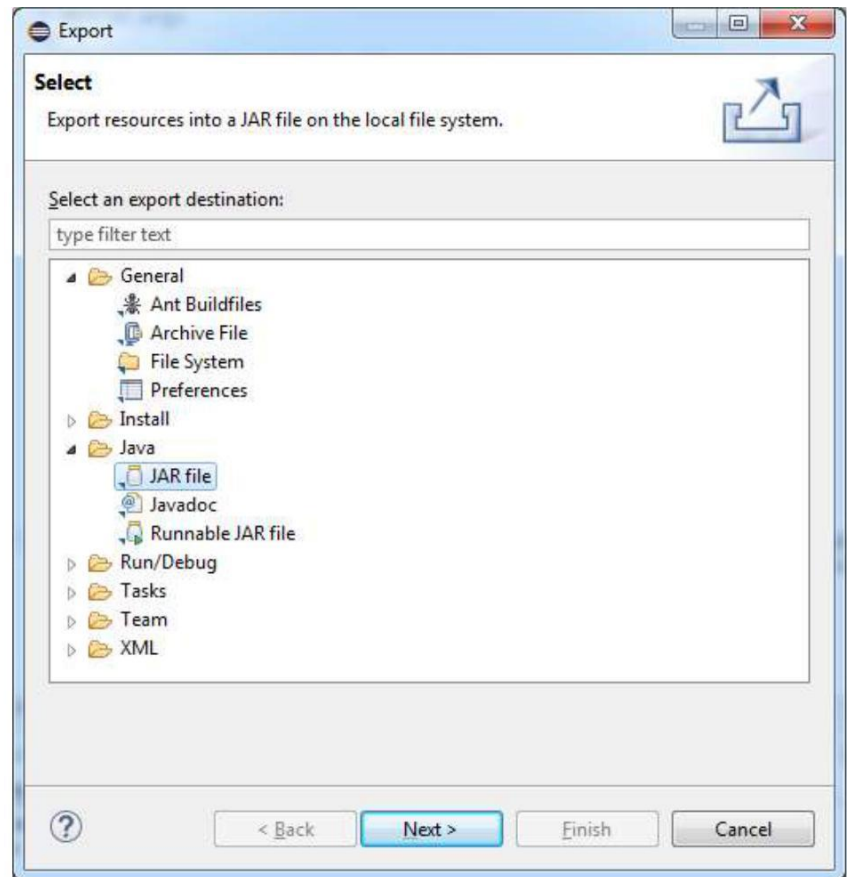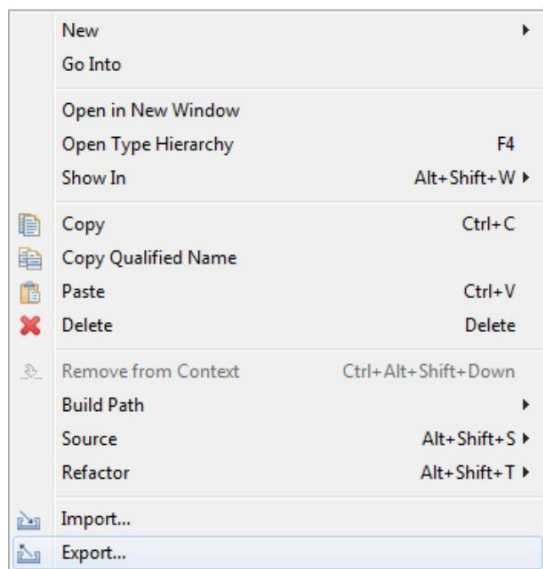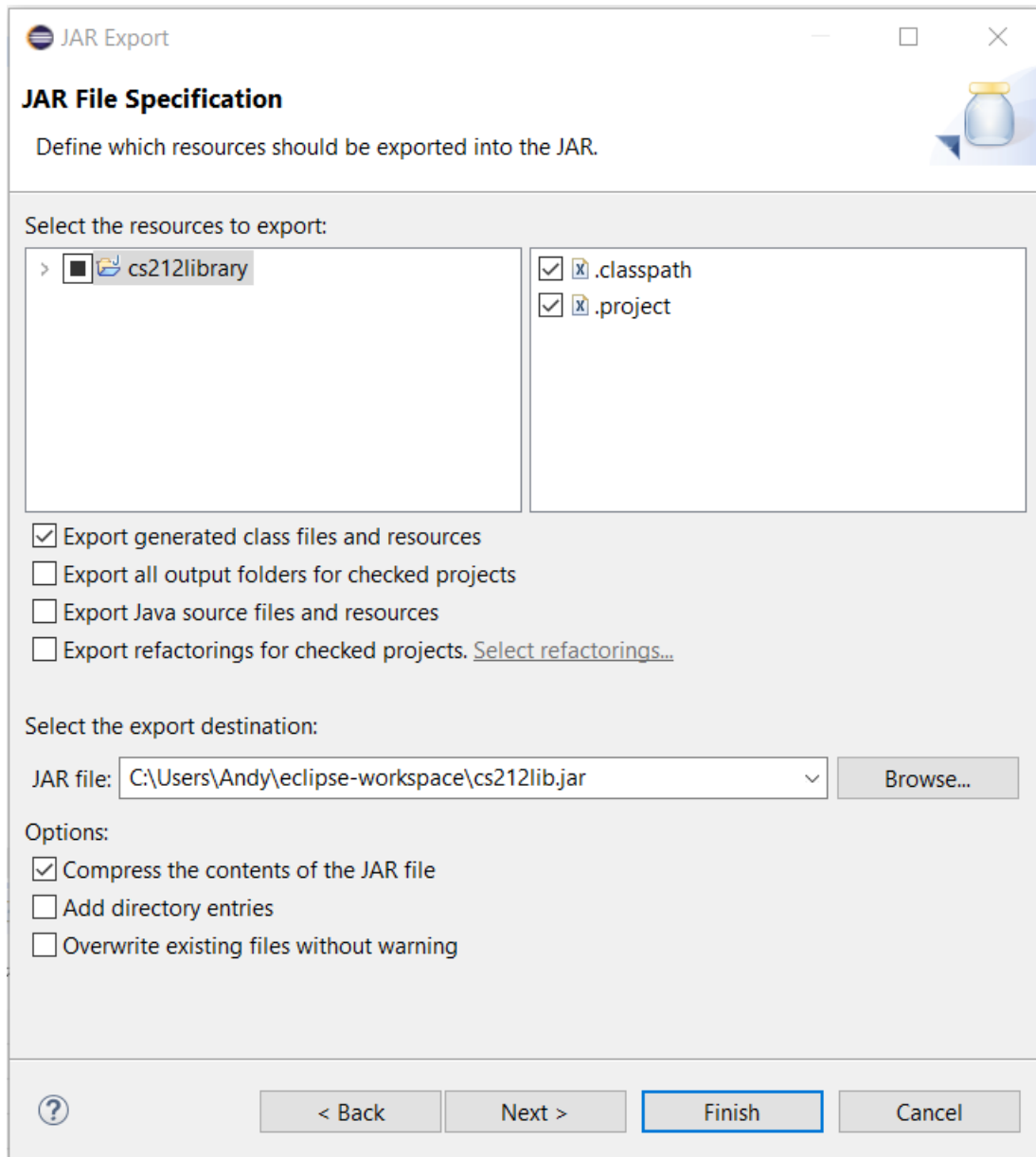
(I suggest that you use the workspace folder)

Click the **Finish** button.

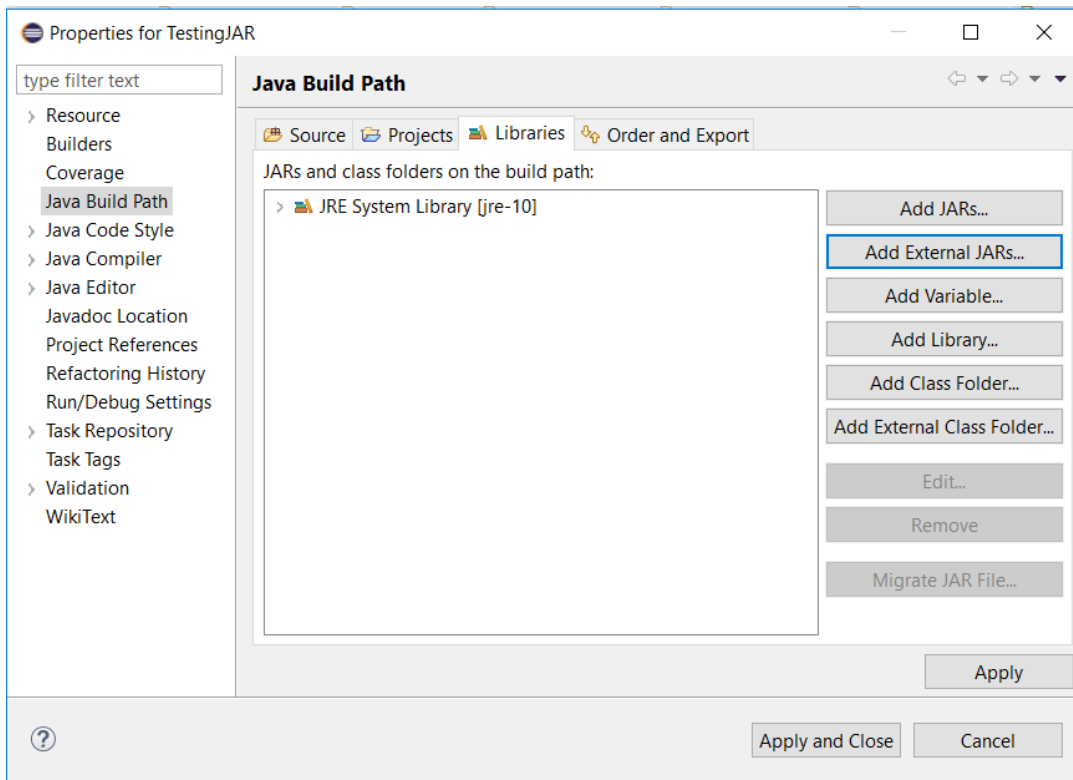# Adding the JAR File to Programs That Require the Library

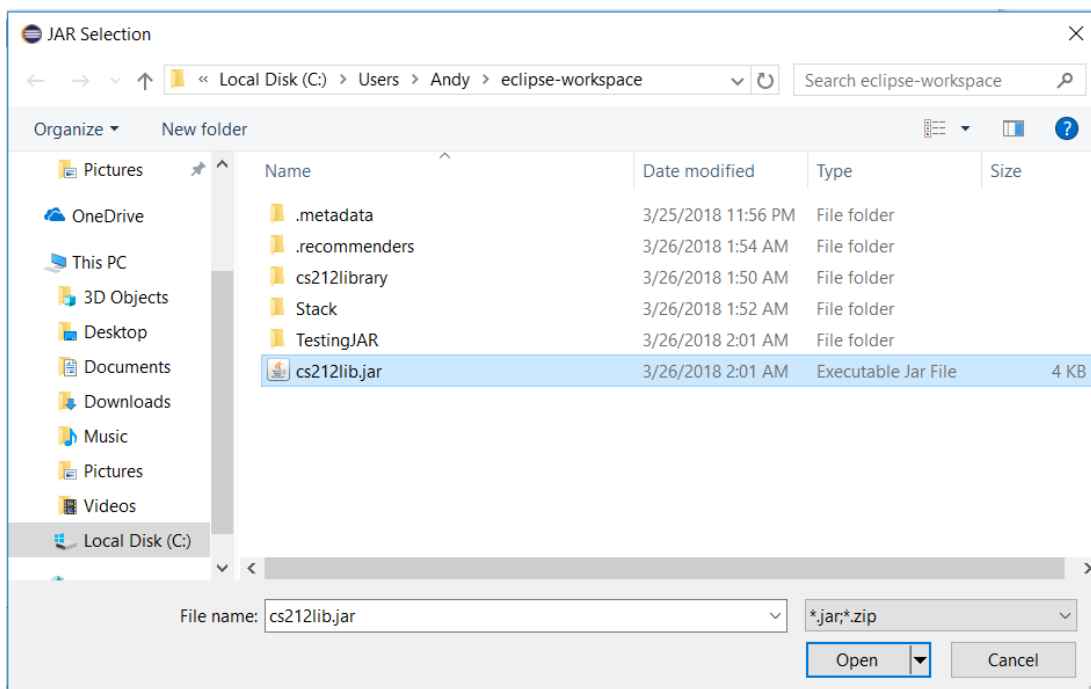Right-click on the project that requires the JAR file
Select **Properties**
Select **JAVA Build Path** from the list of properties
Click the **Libraries** tab
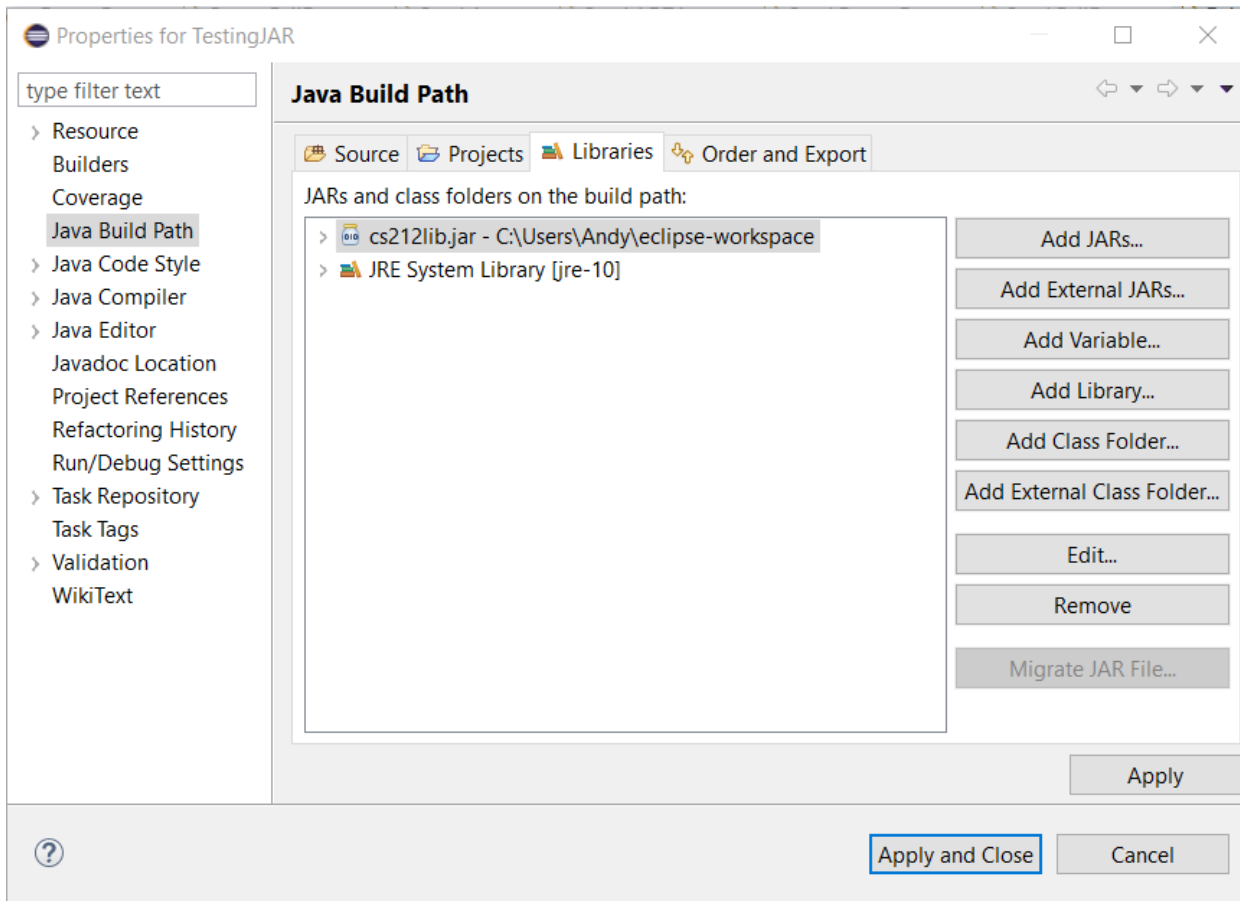Click the **Add External JARs...** button

Browse to the location of the JAR file

Click on the name of the file

Click the **Open** button, and click the **Apply and Close** button to close the Properties dialog box

Add the import statement(s) to your source code, as necessary.

Example:

```
import cs212lib.Stack;
import cs212lib.StackEmptyException;
import cs212lib.StackFullException;
```