

Creating the Eclipse project on MacOS

These instructions are for creating Eclipse Java project files.

1. Fetch the source code at <https://github.com/ThoughtFlow/ModernJava>
2. Select “Clone or download”

ThoughtFlow / ModernJava

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ModernJava	Added new init folder in lab14	4 hours ago
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README.md

ModernJava

Courseware for ModernJava

3. Select “Download zip” - this will download a file named “ModernJava-master.zip” in your download folder. Unzip the file.

Find file Clone or download

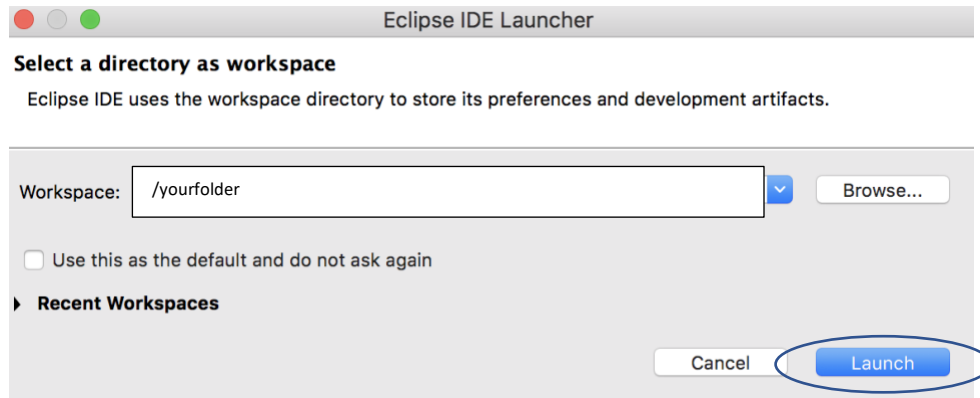
Clone with HTTPS ⓘ

Use Git or checkout with SVN using the web URL.

<https://github.com/ThoughtFlow/ModernJava>

Open in Desktop Download ZIP

4. Start Eclipse and choose a workspace then press launch. For example:




5. Close the welcome window.
6. Select File | New | Java project
Choose a project name and untick the "Use default location" button. Then, browse to your download folder and into "ModernJava-master/ModernJava". Press finish.

New Java Project

Create a Java Project

Create a Java project in the workspace or in an external location.



Project name: ModernJava

☐ Use default location

Location: /yourdownloadfolder/ModernJava-Eclipse/ModernJava

Browse...

JRE

☒ Use an execution environment JRE: JavaSE-11

☐ Use a project specific JRE: Java SE 11.0.2 [11.0.2]

☐ Use default JRE (currently 'Java SE 11.0.2 [11.0.2]')

Configure JREs...

Project layout

☐ Use project folder as root for sources and class files

☒ Create separate folders for sources and class files

Configure default...


Working sets


☐ Add project to working sets

New...

Working sets:

Select...

 The wizard will automatically configure the JRE and the project layout based on the existing source.



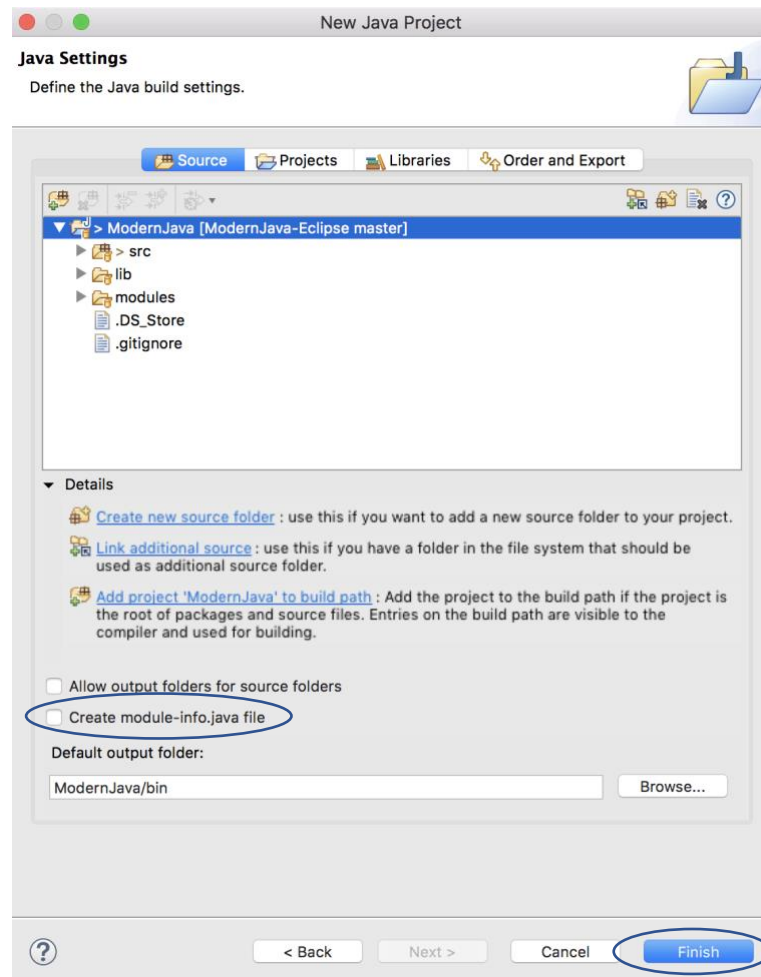
< Back

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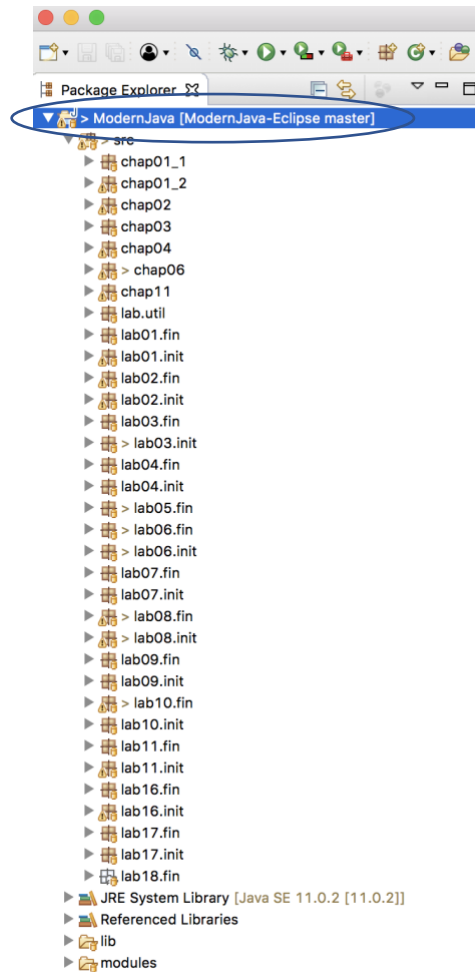
Cancel

Finish

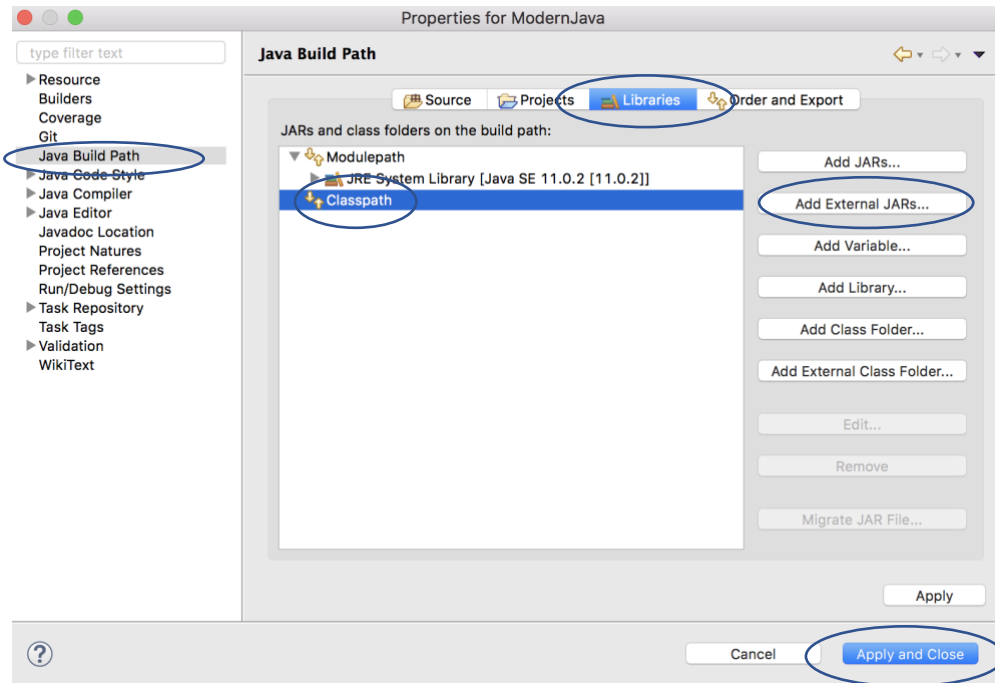
7. Uncheck “Create module-info.java” file and select finish.



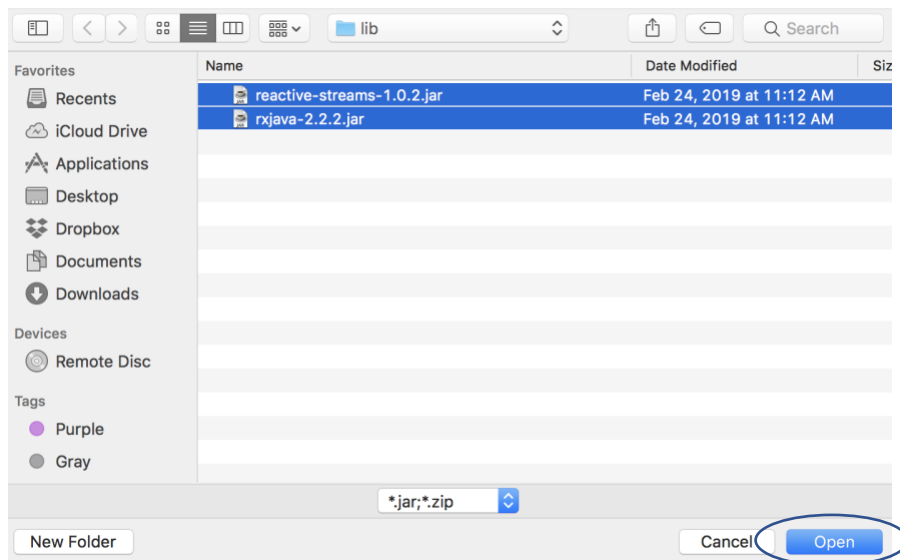
8. Right-click on the ModernJava root node and select “Properties” from the context menu.



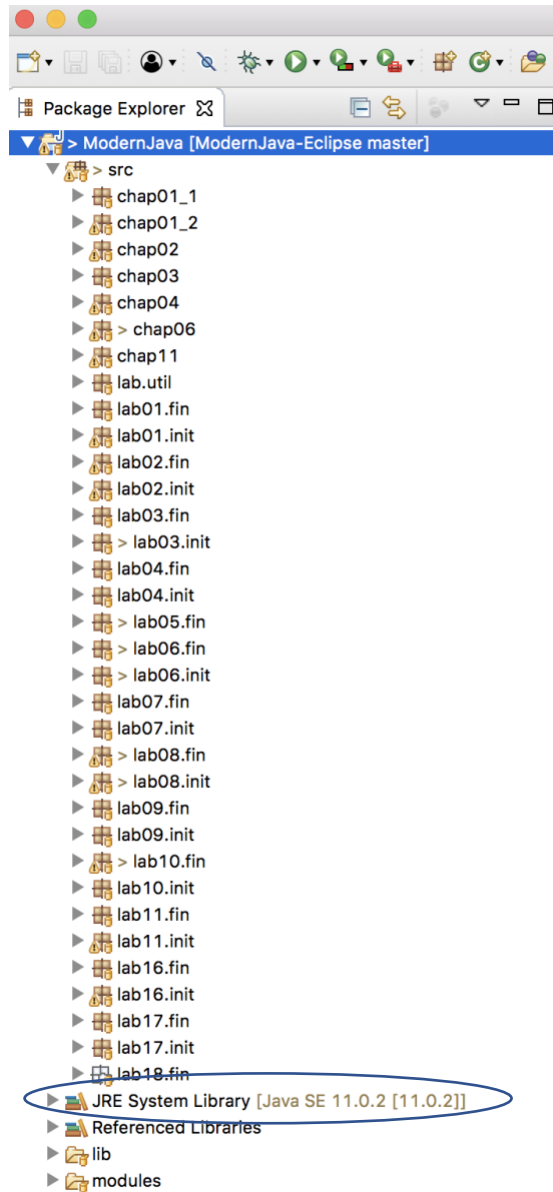
9. Select “Java Build Path”, then the “Libraries” tab, then press “Add External JARs” under “Classpath. Right-click on the ModernJava root node and select “Properties” from the context menu.



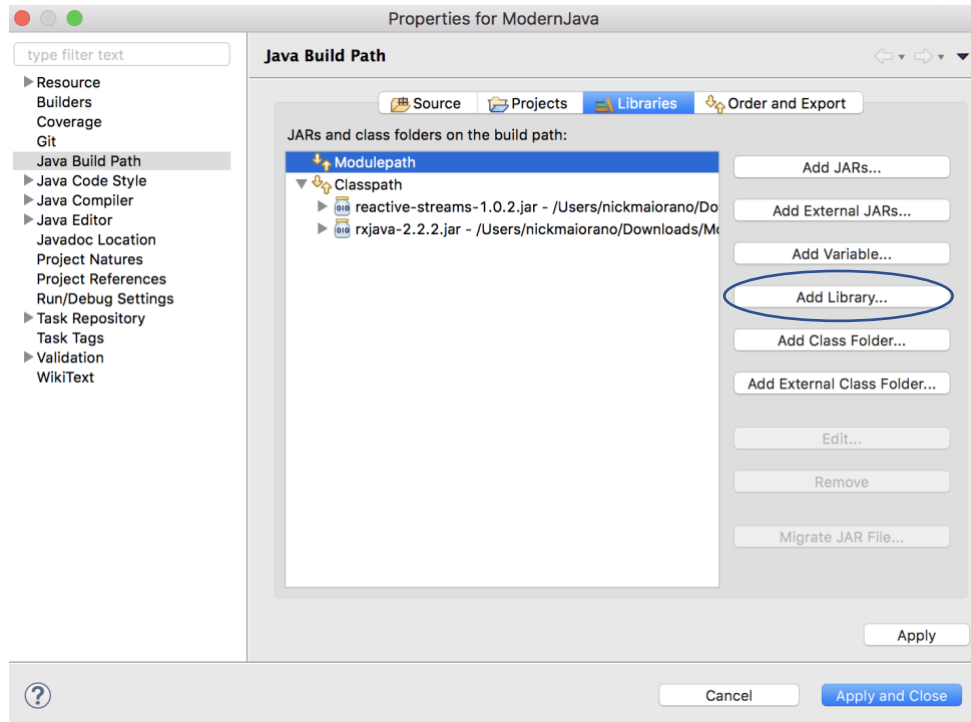
10. Browse to `/yourdownloadfolder/ModernJava-master/ModernJava-master/ModernJava/lib` and select `reactive-streams-1.0.2.jar` and `rxjava-2.2.2.jar` and press "Open" then "Apply and close".



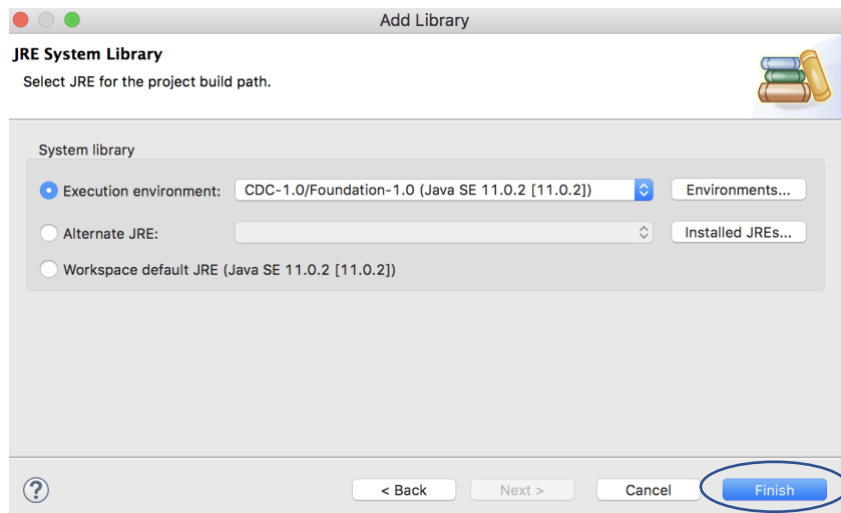
11. Ensure you have the JDK 11 installed. If not, follow the package instructions.



Otherwise, right click on “ModernJava”, choose properties, Java build path. The JRE should be 11. You can change it by clicking on “Add library...”.



Then select “JRE system library”, next, “execution environment” and select 11 then press finish.



You can remove any other JRE system library and select “apply and close”.

12. Ensure there no compilation errors.