Using JavaFX with Eclipse   Our goal is to make the following program compile and run using eclipse.
http://cs.gettysburg.edu/~cpresser/cs112/examples/MyJavaFX.java

```java
import javafx.application.Application;
import javafx.scene.Scene;
import javafx.scene.control.Button;
import javafx.stage.Stage;

public class MyJavaFX extends Application{

        public void start(Stage primaryStage) {
                Button btOK = new Button("Ok");
                Scene scene = new Scene(btOK, 200, 250);

                primaryStage.setTitle("MyJavaFX");
                primaryStage.setScene(scene);
                primaryStage.show();
        }

        public static void main(String[] args) {
                Application.launch(args);
        }
}
```
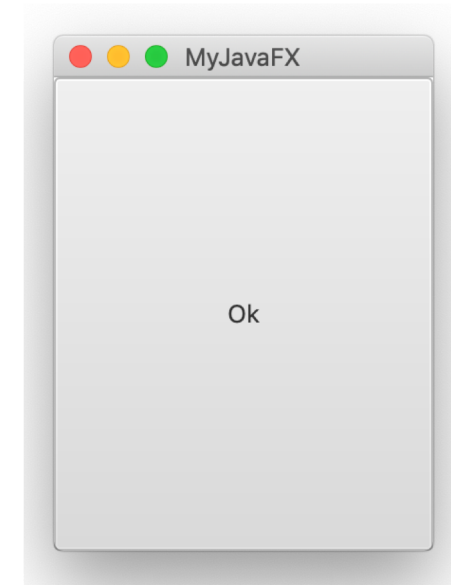
Step 1: Make a project and put this class in it. If it compiles and runs showing a window with a large Ok button, it worked, and there is nothing left to do. If it didn't work, keep reading.

If step 1 did not work, you are probably looking at a bunch of compile errors. Eclipse can't find JavaFX.

Download JavaFX from https://openjfx.io/

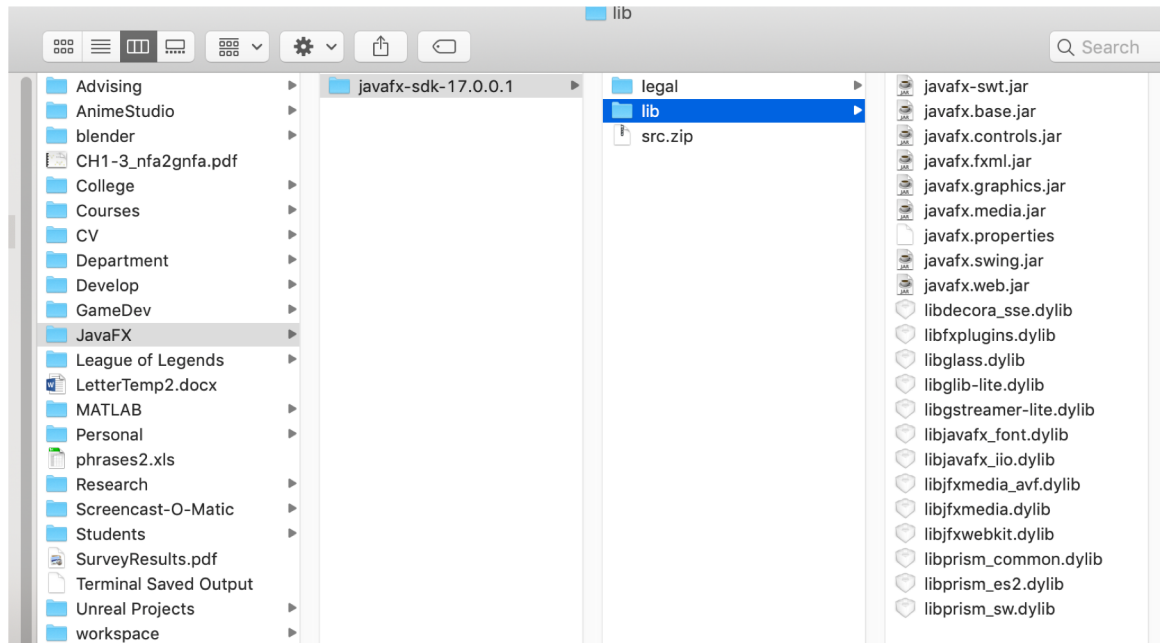Find the version that best suits your system.

Unzip the resulting file somewhere, or extract it and move it. For this example, I'll put it in Documents/JavaFX.

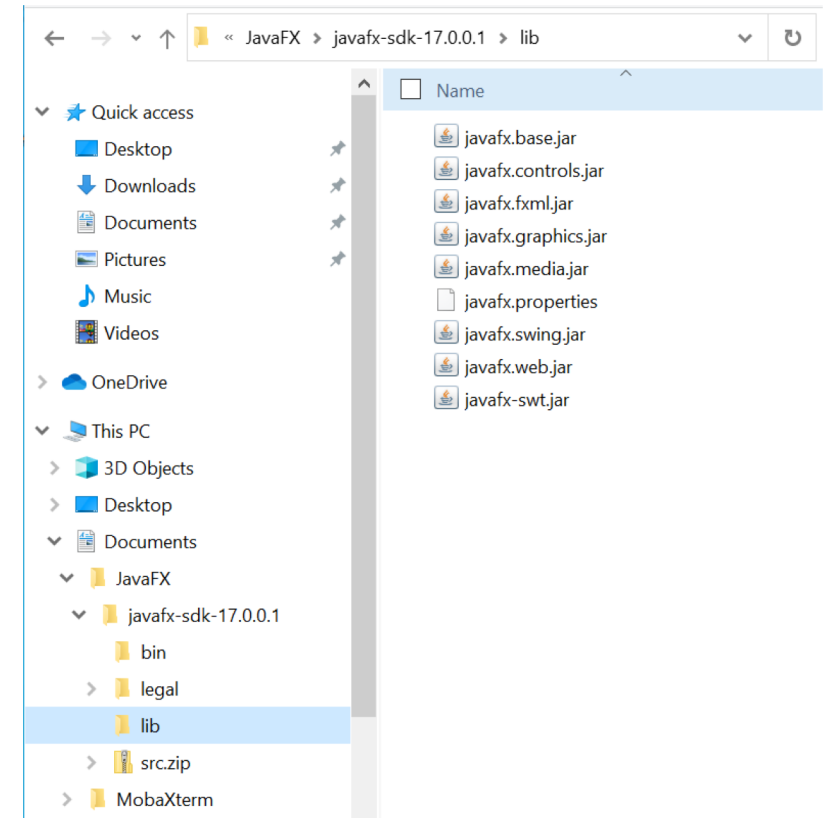Full Paths to jar files (note your username and version might be different than mine).
Mac: /Users/*cpresser*/Documents/JavaFX/javafx-sdk-*17.0.0.1*/lib

Windows: C:\Users*cpresser*\Documents\JavaFX\javafx-sdk-*17.0.0.1*\lib

Mac:

Windows:

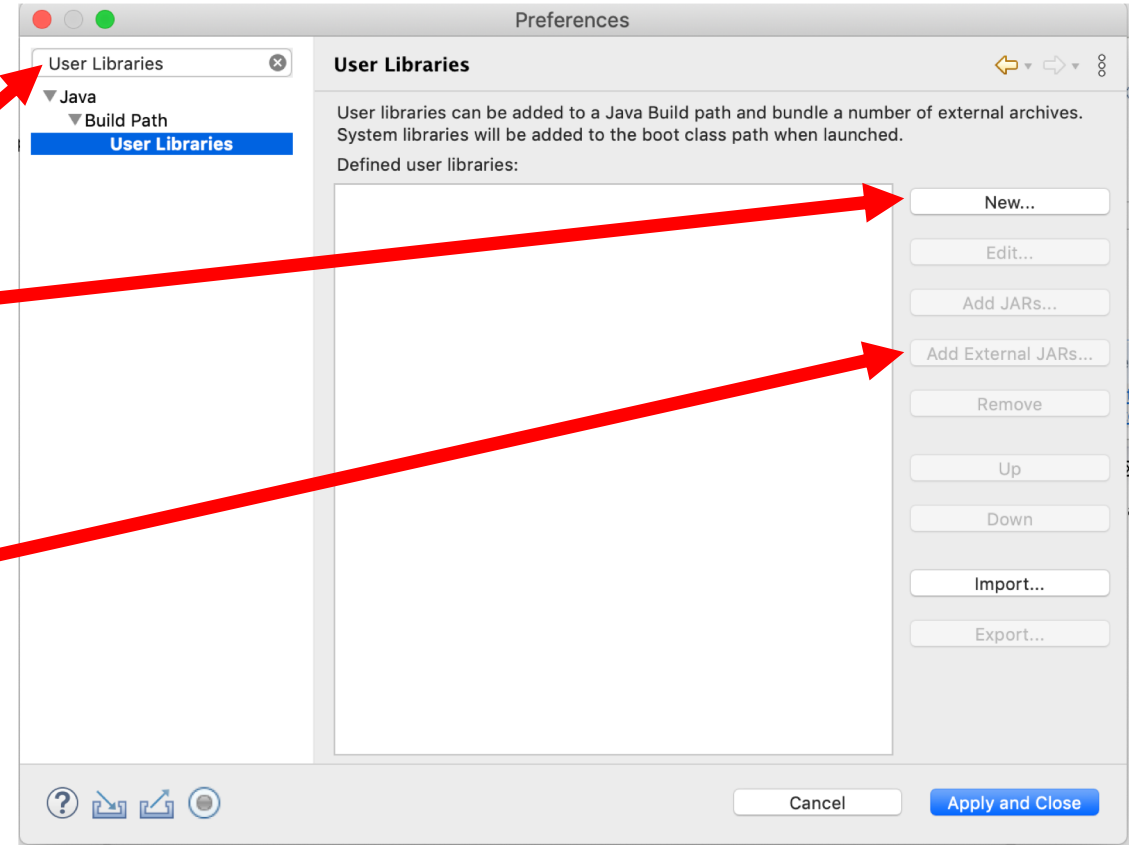Set up your workspace. You only need to do this part once per workspace.

1. Open up Eclipse's Preferences using the menus:
   Mac: Eclipse->Preferences…
   Windows: Window->Preferences…

2. Type "User Libraries" in the text box at the top left.

3. Click "New…"

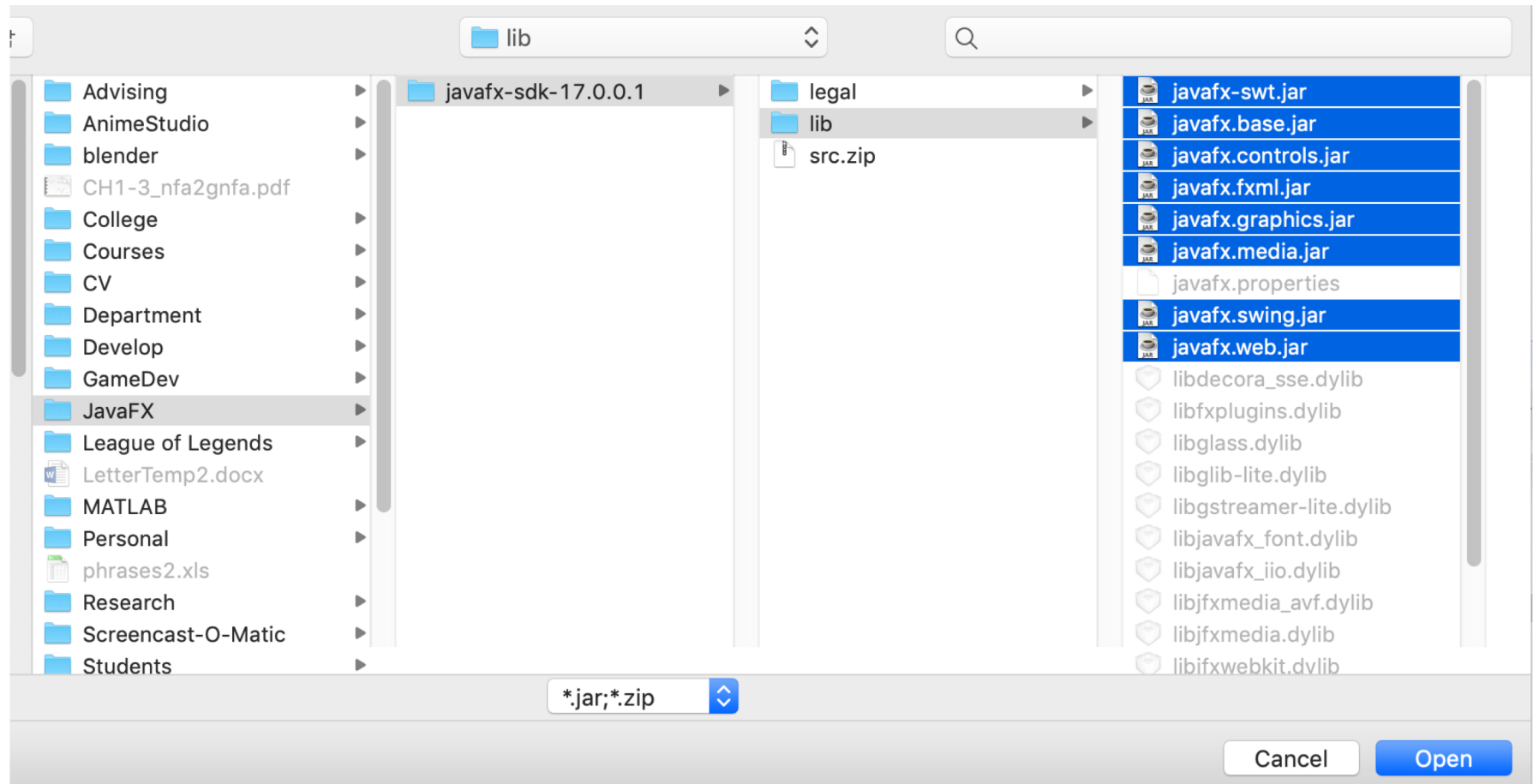4. Type "JavaFX" in the dialog that appears, and click OK.

5. With JavaFX selected, click "Add External Jars…"
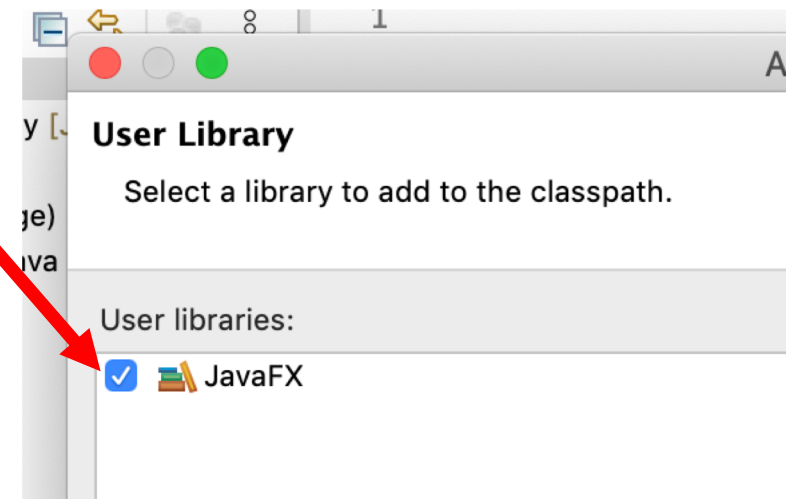
Workspace setup continued.

6. Navigate to your JavaFX folder down to lib and select all of the jar files.

7. Click Open

Set up your project. Once per project, but you can duplicate them as needed.

1. Right click on the project name.
2. Select Build Path->Add Libraries...
3. Select User Library
4. Click Next
5. Check JavaFX.
6. Click Finish

Add Library

Select the library type to add.

JRE System Library
JUnit
Maven Managed Dependencies
User Library
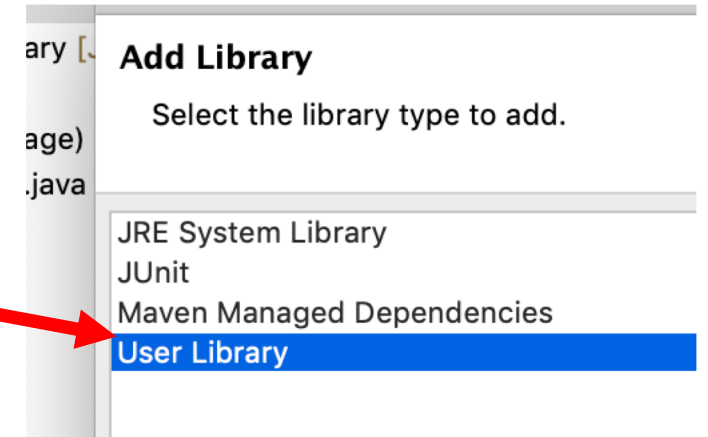
The compile errors should go away

User Library

Select a library to add to the classpath.

User libraries:

☑ 📚 JavaFX

Set up your Run Configuration. Once for each "main" program.

1. Run your program. It should result in an error, but don't skip this step.
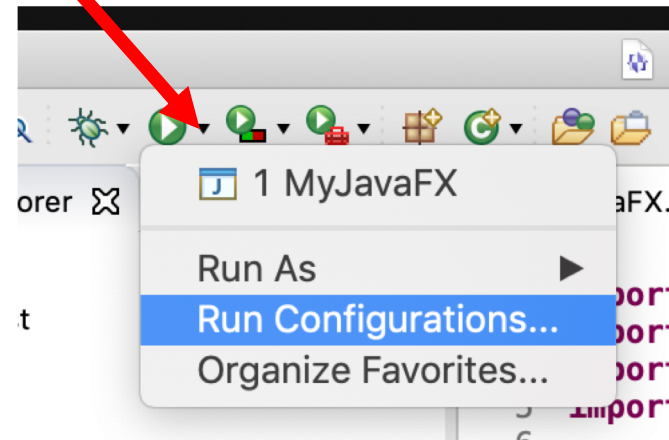2. Select the down arrow to the right of the run button.
3. Select Run Configurations…

Run Configuration Continued…

1. Make sure your class is selected.
2. Select the Arguments tab.
3. In the VM arguments box, add the text at the bottom of the page based on your platform. Note your module path will be different from mine, so make sure you use yours.
4. Uncheck Use the -XstartOnFirstThread… box. This may not be in your version.
5. Click Apply.
6. Click Run.
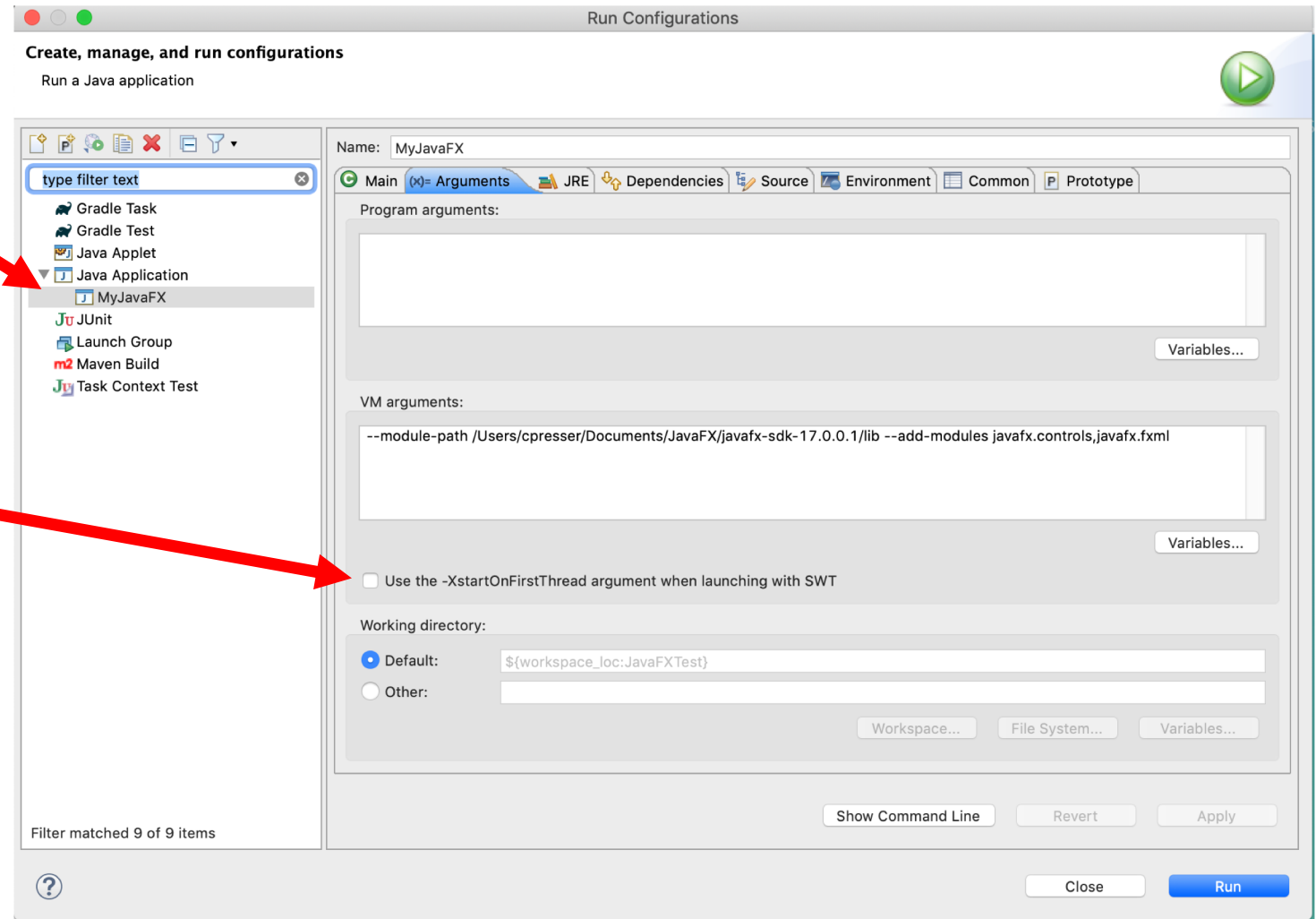
MAC:
 --module-path /Users/*cpresser*/Documents/JavaFX/javafx-sdk-*17.0.0.1*/lib --add-modules javafx.controls,javafx.fxml

Windows:
 --module-path C:\Users*cpresser*\Documents\JavaFX\javafx-sdk-*17.0.0.1*\lib --add-modules javafx.controls,javafx.fxml
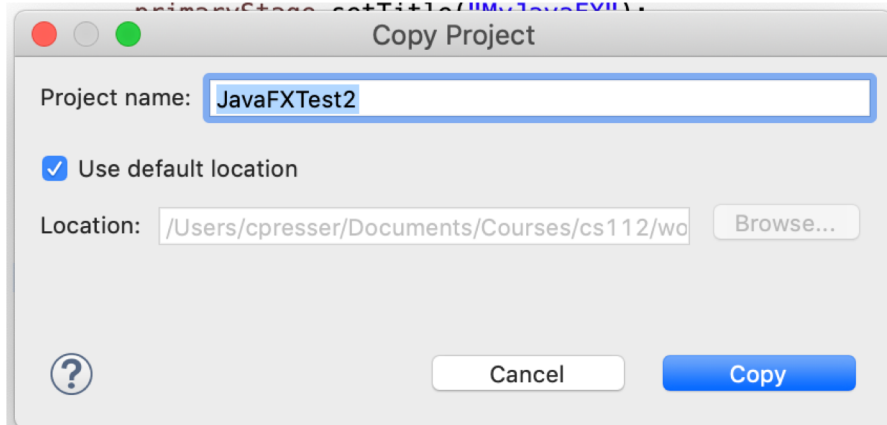
The program should run and display the window below.

If you get an error of some sort, check to make sure your path is correct from the previous slide.

Want to copy a project and Run configuration? Keep reading.

To duplicate a project, just copy and paste it and give it a new name.

Now, duplicate and edit the run configuration.
1. Open the Run Configurations like you did before.
2. Right click the original run configuration and select Duplicate.
3. Edit the project name of the new configuration.
4. If you make a new main class, edit that too.

Copy Project

Project name: JavaFXTest2

☑ Use default location

Location: /Users/cpresser/Documents/Courses/cs112/wo   Browse...

Cancel   Copy

1 MyJavaFX

Run As ▶

Run Configurations...

Organize Favorites...

Java Application

MyJ...
Ju JUnit
Launch
m2 Maven
Ju Task C

New Configuration
New Prototype
Export...
Duplicate
❌ Delete

L Link Prototype...

Name: MyJavaFX (1)

Ⓒ Main   (x)= Arguments   JRE

Project:

JavaFXTest2

Main class:

MyJavaFX

☐ Include system libraries when