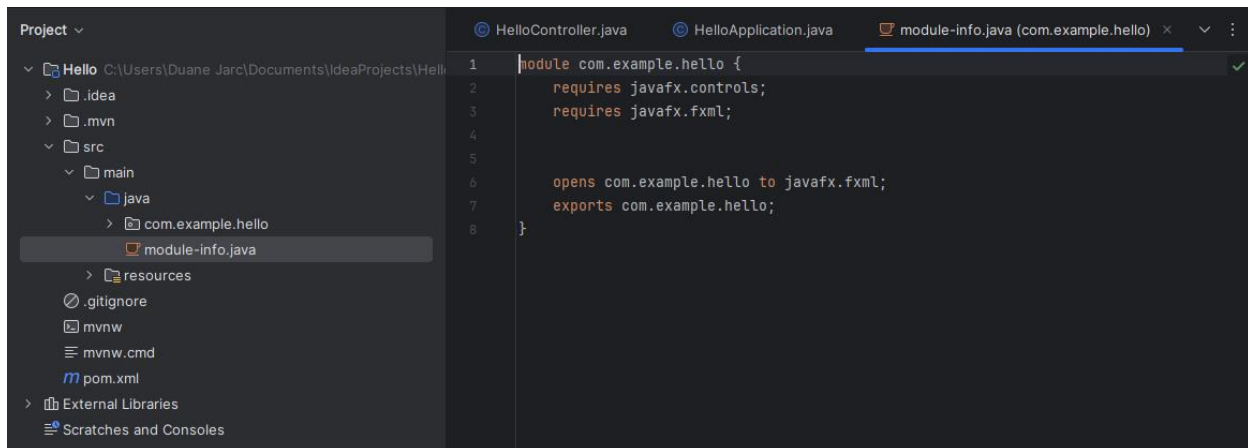


CMSC 215 Project 3 Suggested Approach

Projects 3 and 4 require using JavaFX. Beginning with version 9, JavaFX was decoupled from the SDK. Version 9 was also the first version of Java that introduced modules that allow packages to be grouped and contain commands to link them. Your first step should be to ensure that you can run a simple JavaFX application. If you are having difficulty I recommend trying IntelliJ Community Edition 2024.1: [Other Versions - IntelliJ IDEA \(jetbrains.com\)](https://www.jetbrains.com/idea/). With that IDE, if you select a JavaFX application it will create a HelloApplication for you that uses JavaFX and you can use it as your framework for project 3. Notice that it will produce a module file that provides the linkages to JavaFX:



Like previous projects, I recommend beginning with the class that has no dependencies. In this project, it would be the `TripCost` class. Test that class first with a command line interface that allows the input from the keyboard and output to the screen.

Once you have verified that the `TripCost` works correctly, construct the `Project3` class that defines the GUI and uses the `TripCost` class. Your GUI should be constructed only from Java code and should not depend upon any `.fxml` files.