Important

How to Run the Application (for TA / Instructor)

Our project supports **two ways** to run the JavaFX application.

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1. NO setup needed: Run with Maven

It does NOT require downloading JavaFX manually and does NOT require adding VM options.

Steps

1. Install **Java 23**
2. Install **Maven**.
3. Open the project folder in terminal.
4. Run:

mvn javafx:run

Maven will automatically:

- Download JavaFX
- Set up the module-path
- Add required modules
- Launch Launcher.java

No SDK, no VM options, no extra setup.

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2. If Maven Method fails or you want to run Manually Using IntelliJ Run)

If you prefer running manually without Maven, or if you click the IntelliJ "Run" button, then JavaFX SDK and VM options are required.

You must install:

- **Oracle JDK 23.0.1 [Link]**
- **JavaFX SDK 25.0.1 [Link]**

Then add VM options:

--module-path /path/to/javafx-sdk-25.0.1/lib

--add-modules javafx.controls,javafx.fxml

Example for macOS (my setup):

--module-path /Users/shivam/Downloads/javafx-sdk-25.0.1/lib
--add-modules javafx.controls,javafx.fxml

This is only needed if running directly via:

IntelliJ Run
Java command via terminal