Farhan Mahamud 101147861
William Forrest 100803271
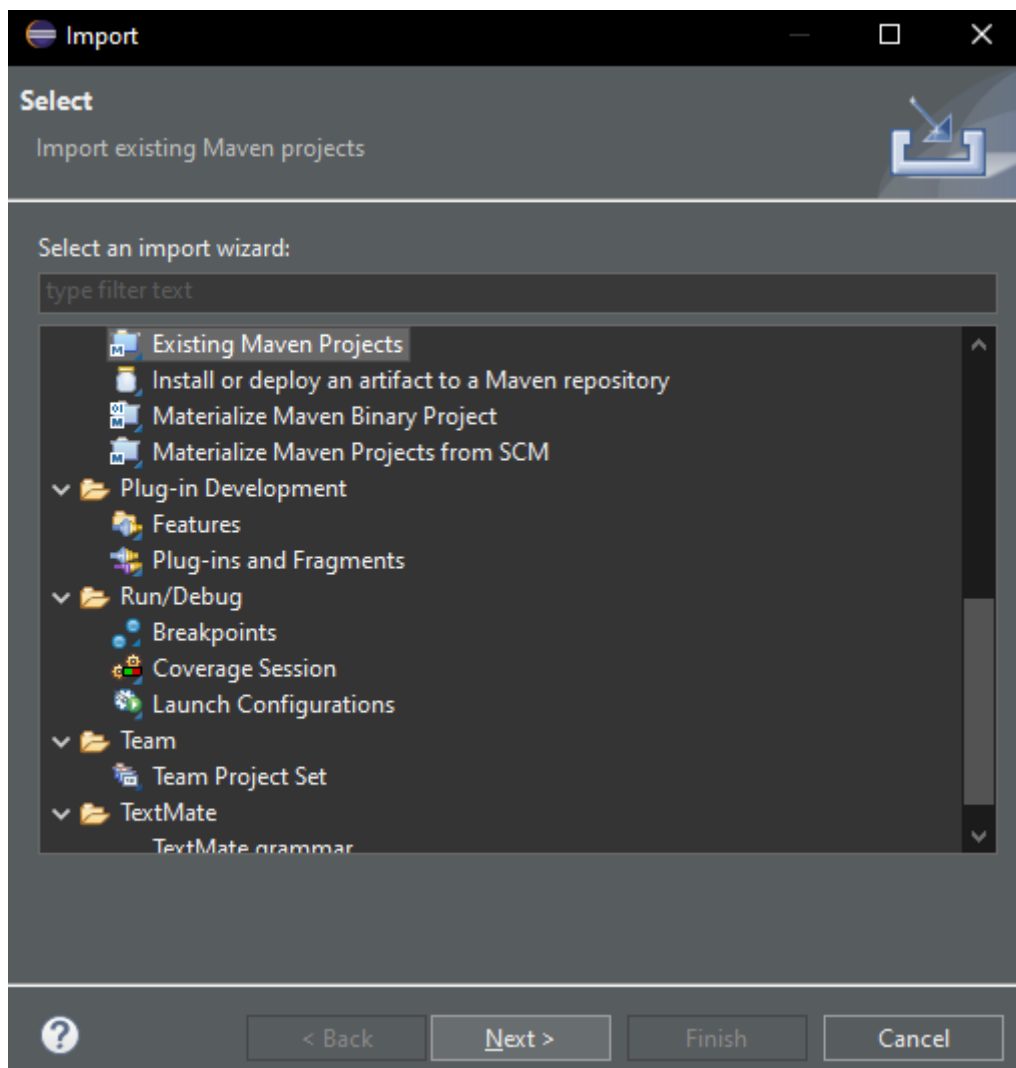Jacob Hovey 101163798
Subear Jama 101154626

SYSC3303 Project Iteration 3
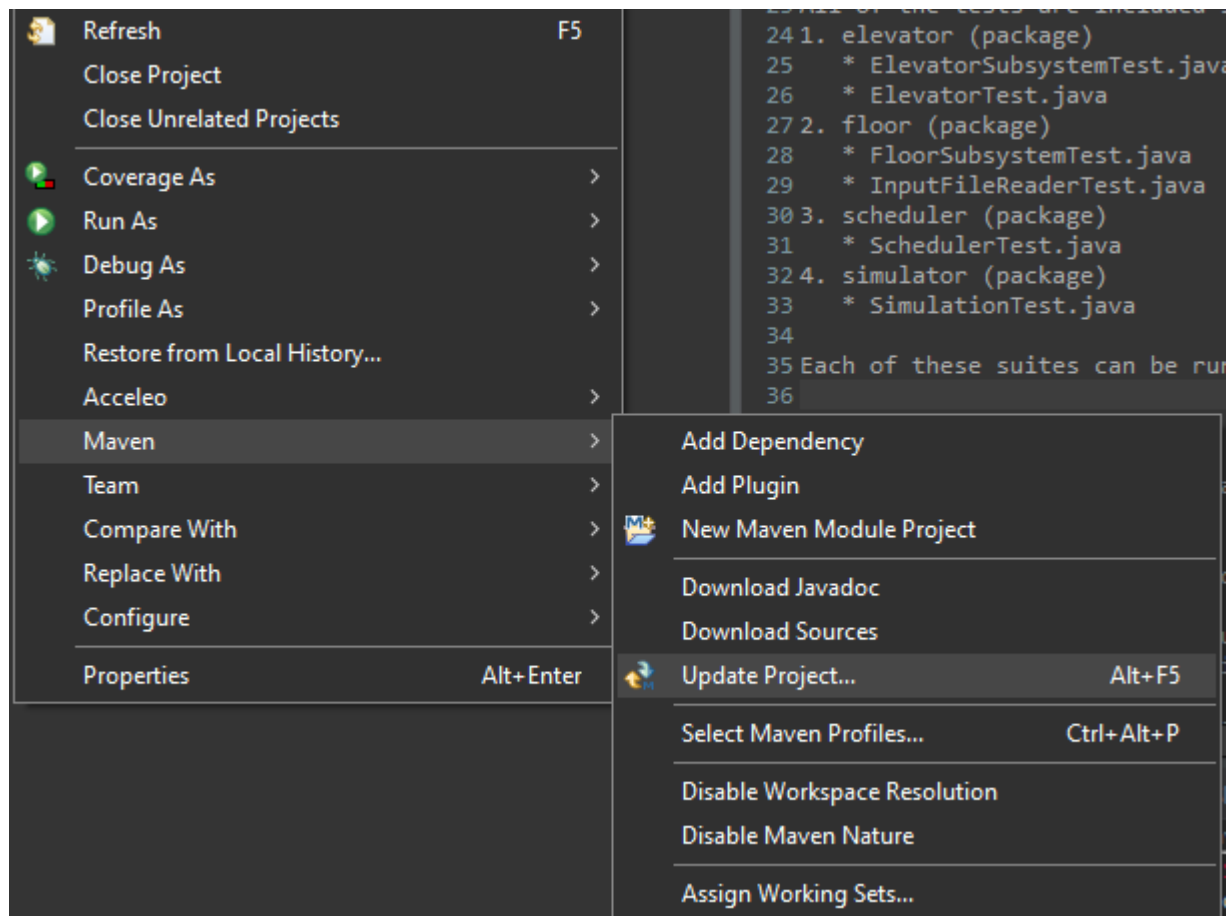L2G2
Set Up & Test Instructions

Requirements
- Eclipse 2022 (any edition should be fine)
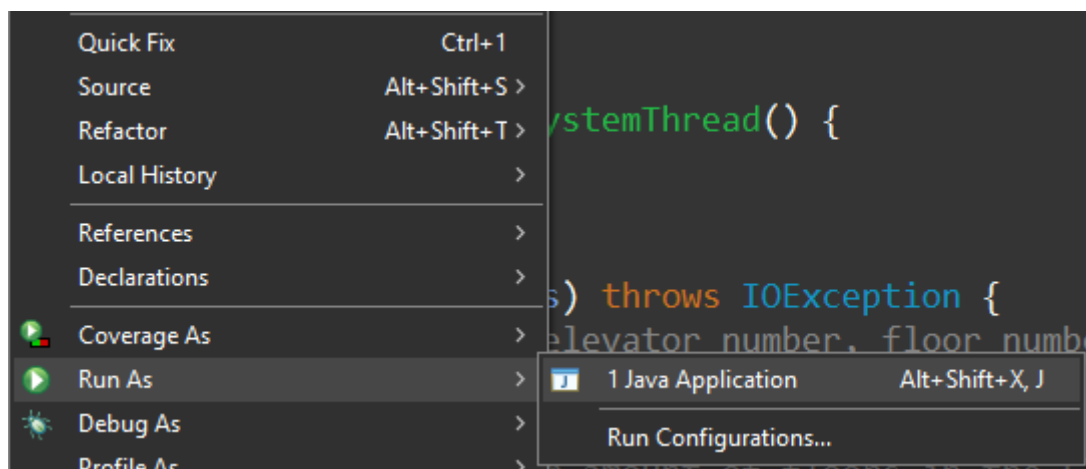- Java 17 or higher

How to run
- Import the java project into eclipse using the "Import maven project" option in the eclipse workspace

- Right click the project in the project explorer, select "update maven project" to download any dependencies for testing (Or hit alt-f5 if your using default keybindings)
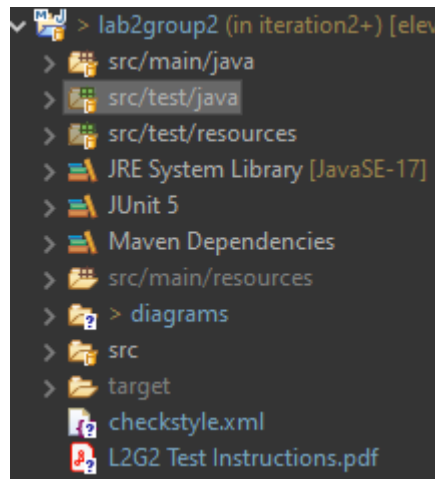
```
Refresh                          F5
Close Project
Close Unrelated Projects

Coverage As                      >
Run As                           >
Debug As                         >
Profile As                       >
Restore from Local History...
Acceleo                          >
Maven                            >        Add Dependency
Team                             >        Add Plugin
Compare With                     >        New Maven Module Project
Replace With                     >
Configure                        >        Download Javadoc
                                          Download Sources
Properties                Alt+Enter       Update Project...              Alt+F5

                                          Select Maven Profiles...   Ctrl+Alt+P

                                          Disable Workspace Resolution
                                          Disable Maven Nature

                                          Assign Working Sets...
```

```
24 1. elevator (package)
25      * ElevatorSubsystemTest.java
26      * ElevatorTest.java
27 2. floor (package)
28      * FloorSubsystemTest.java
29      * InputFileReaderTest.java
30 3. scheduler (package)
31      * SchedulerTest.java
32 4. simulator (package)
33      * SimulationTest.java
34
35 Each of these suites can be ru
36
```

- Navigate to the "Simulation.java" file in the simulation package.
- Right click this file, and tell eclipse to run as java.


```
Quick Fix              Ctrl+1
Source             Alt+Shift+S >
Refactor           Alt+Shift+T >    ystemThread() {
Local History              >

References                 >
Declarations               >       s) throws IOException {
Coverage As                >       elevator number, floor numbe
Run As                     >    J  1 Java Application    Alt+Shift+X, J
Debug As                   >
Profile As                 >       Run Configurations...
```
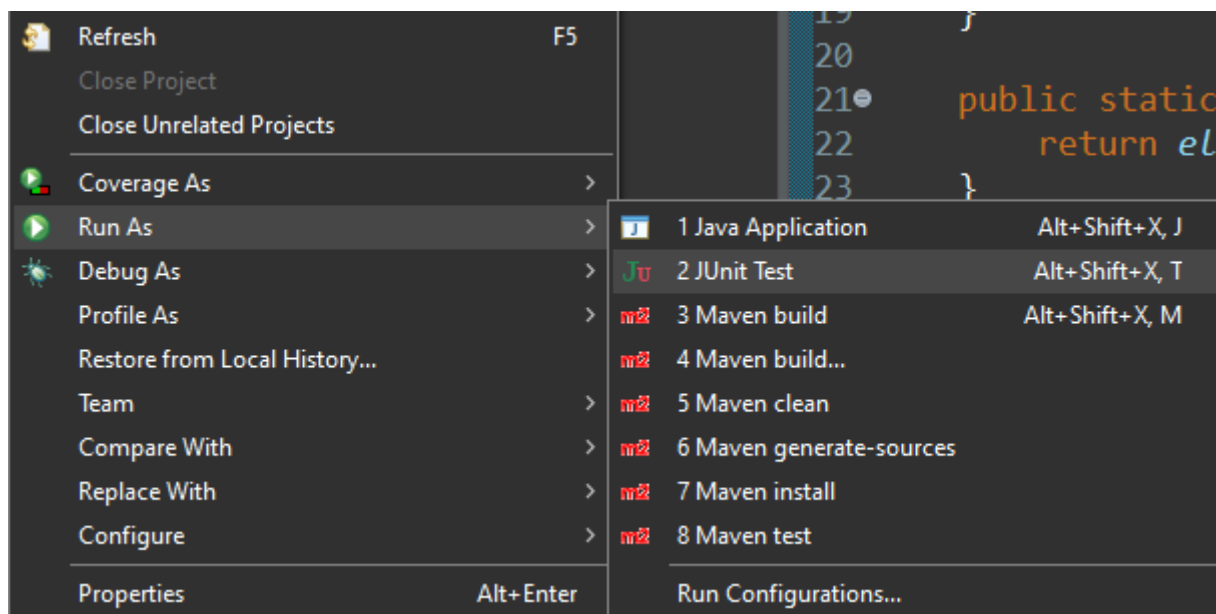
- No command line arguments are required at this time

How to run tests in eclipse
- Right click the "tests" folder in the project explorer for any submodule (The parent module has no tests to run!).

- Select "run as JUnit tests"

Running all tests with maven:

   Because there are now separate sub-modules, running all of them at once is easier to perform using maven. Select "Maven test" on any module in the project, in the project explorer panel.