# Log Book

25/10/2018

Worked on data structure to store information about building layouts.

* Created “Wall” class
* Created “Building” class

Encountered issues with using JavaFX to display the GUI for the desktop application- the JDK is not set up correctly to work with JavaFX. In version 11 of the JDK JavaFX has been moved outside of the code Java libraries.

26/10/2018

Continued to look into the issue with JavaFX.

Investigating using Maven to manage dependencies.

28/10/2018

Figured out how to use JavaFX version 11 with version 11 of the JDK.

Updated the project to use Maven, and applied the fix for JavaFX to the project:

* Add JavaFX as a dependency to Maven pom.xml
* Edit the way IntelliJ builds the project to make sure it compiles the pom.xml- otherwise it will cannot find the correct runtime

Video on setting up Maven and JavaFX: <https://www.youtube.com/watch?v=r_tdK8zWr_w>

IntelliJ Java Version Setup: [https://stackoverflow.com/questions/21006136/intellij-idea-13-uses-java-1-5-despite-setting-to-1-7#](https://stackoverflow.com/questions/21006136/intellij-idea-13-uses-java-1-5-despite-setting-to-1-7)

JavaFX Scene Graph: <https://docs.oracle.com/javafx/2/scenegraph/jfxpub-scenegraph.htm>

29/10/2018

Created a product backlog. Added user stories for the prototype to the backlog.

30/10/2018

Researched using a BorderPane for the layout of the GUI.

<https://examples.javacodegeeks.com/desktop-java/javafx/javafx-borderpane-example/>

<https://docs.oracle.com/javafx/2/layout/builtin_layouts.htm>

<https://docs.oracle.com/javase/8/javafx/api/javafx/scene/Scene.html>

Worked on rendering the layout of the building to the screen:

* Created a Canvas and a Graphics Context which can be used to draw to the canvas.
* Created a static method on the Building class that creates mock building layout for testing and prototyping purposes.