README FILE for Final Submission

Required Software

Eclipse is required to run the project, with an installation of JRE 8. Once the project is imported, all required libraries and System J resources are present.

Steps to Setup

The following steps must be taken to setup the project:

1. Unzip package with project
2. Open Eclipse on personal computer
3. Import the project into workspace (it is advised to import a copy of the project into workspace)
4. Ensure File Association for ".sysj" is set to java. This will allow correct building as well as allow for code linting (color-coding keywords and variable names)

Steps to Run

To run the GUI for the ABS, launch ABSGUI.java from the src folder.

Then run the various GUIs found in the src folder as Java Applications.

After starting the GUIs, build all the system J files individually, and run them one after another.

The ABSGUI can be simulated by running guiTest.sysj

Code Outline

ABS

The code for the ABS consists of abs.sysj and abs.xml. Alongside this, plant.sysj and plant.xml run the plant simulation.

The ABS GUI is located in the src folder as ABSGUI.java.

IRPs

The code for the IRPs are in the sysj folder as. There are also the GUIs in the src folder that need to be run beforehand.