Final Report:

Instructions to Run:

UNIX/Linux CLI

- navigate to directory of Project0.jar executable
- execute command "java -jar Project0.jar"
- AggieStack CLI should open up and you can type in your commands into the command line
- use command "exit" to exit out of the AggieStack CLI
- all Configuration files should be in the same directory as the jar file and the log will also be saved in same directory

Windows CLI

- Make sure you have JRE (Java-Runtime-Environment) installed on your Windows machine
- Open Command Line in directory of the Project0.jar
- execute command "java -jar Project0.jar"
- AggieStack CLI should open up and you can type in your commands into the command line
- use command "exit" to exit out of the AggieStack CLI
- all Configuration files should be in the same directory as the jar file and the log will also be saved in same directory

Manually Executing Java File (Windows or Linux)

- Make sure you have JRE (Java-Runtime-Environment) installed on your machine
- Compile Java File by running command "javac Project0.java"
- Execute Java File by running command "java Project0"
- AggieStack CLI should open up and you can type in your commands into the command line

Time Spent:

AggieStack-CLI was developed over the course of 3 days (August 2nd – August 4th)

        August 2: ~12 man hours

        August 3: ~12 man hours

        August 4: ~6 man hours

        Total: ~ 30 man hours spent

AggieStack-CLI Main Idea:

The main idea for the design of AggieStack-CLI was to have all the cloud entities: machines, images, flavors, racks, and instances, have their own respective classes so that they can each be represented as class objects and stored in class collections (ArrayList) so they can be stored, managed, and operated on throughout the duration of the AggieStack-CLI program in memory. This would make operations and commands straightforward to execute on these cloud objects such as "remove machine", "add machine", "evacuate rack", "import hardware/flavor/image", and so on. Each operation on the cloud records a success or failure case in the session log that is saved to the project file directory.