Project4 Part A

Nathaniel Leake, 424003778
Cloud Computing, Fall 2017
Time to complete Task: **4hrs**

Compiling & Executing

Compile by navigating to the directory containing the code and typing

- `javac AggieStack.java`

To run the compiled project, type

- `java AggieStack.java`

GitHub Link

Here is the last commit for my Early Bird submission to Part A:

- https://github.tamu.edu/nateleake/489-17-c/tree/f2f4ae379b5c1436ced3e3e4dd895ca6d682b86a

Design choices

I have never used Python before, but the instructions document said we could use any language we wanted so I did it in Java. Each command is implemented in its own file named "CommandX" where X is the name of the command. Images, Flavors, Instances, Machines, and Racks are each represented as their own classes to make the project modular and easy to modify. The actual instances of these objects are stored in maps within the AggieStack code, but the only computation handled in AggieStack is the function to locate which Machine to place a new virtual Instance on.

Note:

Earlier this semester my main computer died so since then I've been developing on my other laptop. I didn't notice this until now but I've been committing to my TAMU GitHub using my public GitHub account, so if you look at commit history you will see the user change to "EvModder" in October. It is still me :-)