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CSCI 310 Group Project

**Overview**

We use three classes in our program:

* Main.java
* Bank.java
* Client.java

Main retrieves the user input and run the highest level controls of the program. Bank controls the resources used by the threads. Client holds the actual threads and run() method. These classes will be explained in more detail in the section titled full documentation.

**How to Run**

TODO

**Full Documentation**

Main:

Main is the simplest of the three classes. It retrieves the users input and verifies that it is valid. From there it creates the necessary Bank and Client objects and makes the function calls to begin the execution of the program.

Bank:

Fill this section explaining the specifics of how the request and release work

Client:

Client extends thread and holds the run() method. Run sets a random amount of resources to request then attempts to run its thread. It will also cause a sleep for 1-5 seconds to simulate time being consumed. Finally each thread will release its resources when it is complete.

**Testing and Outputs**

Screenshots of multiple executions and listed inputs