

Brief Explanation

I built the assignment off of the assignment 1 sample code,
Some general changes were made to incorporate the existing system for assignment 2.

The three replication managers were constructed by altering the TramTracker file from assignment 1, this was mainly altering the class to not behave as a singleton, as my several Replication servers were instances from a single class.

For testing reasons and to avoid clashes, I forced the program instances to be constructed from specific ports via user input, these ports were 1099 1098 and 1097 respectively.

The front end server was altered from TramTracker to remove some functionality and for the ability to connect to the Replication Managers, this connection would be made via the same methods used to connect the Trams to the Front end server via RMI.

A function called listTramService() is used to determine which Remote manager services are currently running, this will be needed for when Tram requests are passed onto the tram server system.

If the server instance couldn't be found, it would be listed as null, and the Tram message wouldn't be forwarded on for these null servers.