Notes:

Our database servers were set up on 6 VMs pertaining to the account database master-master replication as well as databases that stores our orders from different regions (US, HK, SG). The VMs had internal configurations for the master – master replication.

The instructions provided will be for localhost databases to reduce the time taken to set up for Professor.

How to Run

1) Run the SQL scripts in /sqls, starting with the Create scripts before Stored Procedures scripts.

2) Configure the code in RemoteServant.java to reflect the 6 server IP addresses. (If localhost, unable to test master-master replication and data redundancy algorithm. If have 6 other DBs on other IPs, can test if server goes down, what will happen.)

Text

Description automatically generated

3) Go to /src folder and run “start rmiregistry” in cmd.

4) Go to /src folder and run “java RemoteServer.java” and “java RemoteClient.java” in cmd.