1. **Connection Pooling with Slave/Master**

We created a load balancer and two additional backend servers to be our slave and master. The load balancer is an apache server that redirects requests to the slave or the master depending on their request. The servers follow master-slave replication. If the user executes a read query, the connection is made to either the slave or the master server randomly via random number, but if the user executes a write query, the connection will always be made to master. We create the context in login.jsp use this context every time we need to perform a query.