RMI

RMI permits Java methods to refer to a remote object and invoke methods of the remote object. The remote object may reside on another Java virtual machine, the same host or on completely different hosts across the network. RMI marshals and unmarshals method arguments through object serialization and supports dynamic downloading of class files across networks.

At the beginning we were thinking about charging user using RMI. The idea of using RMI was to send a message, which contain an array of users that finished the journey, from Train Server. The message contain user ID and price.

The message is received by Main server and execute the method for charging user. The main server is connected with database, it searches for user ID through database, once the user is found, it withdraw the price from user balance. The account is then updated.