

**A Report submitted in partial fulfillment
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Project Report

Java Based IP pc to pc

Prepared by

A. Alice Rani D/O Arul Das

1000411185

Supervised By

Ms. Josephine Chee

Second Marker

Mr. Inderjit Singh

ABSTRACT

The title of this project is “**JAVA IP pc to pc**”. This project is meant to make communication possible between two users by using this system on there systems. They can send and receive messages to and from other users. Before sending messages user should be authenticated to use chatting server so that user can use else if user is not authenticated then user cant able to make communication with other users. This authentication process is necessary because any user can use this system so that a privileged user can only user this system by using his personal user name and password. Admin will create user names and assign passwords for users and this user names and passwords are stored in a file which will be at server machine or IP address for each user.

Java language is used for developing this application. So this server can handle multiple clients at a time, for sending and receiving messages simultaneously which will not possible with out multithreading technique which will be supported in java very effectively.

This application is totally object oriented because which is totally developed under java which is object oriented language. Then new features for this application can be updated easily. By using inheritance functionality of the application can be extended easily. No database is used as background because of no need of maintaining information about environment.