

# CSE 421 Lab 3

## **Class Work**

1. Create a basic client-server program where the server tells the client the client's IP and device name whenever a client is connected.
2. Create a basic client-server program where the server receives a message from the client and counts how many vowels are there in the message. If there are no vowels in the message then the server sends a "Not enough vowels" message to the client, if there are at least two vowels then the server sends "Enough vowels I guess" and if there are more than two vowels then the server sends "Too many vowels" to the client.
3. Create a basic multi-threaded client-server program where the server receives a message from the client and counts how many vowels are there in the message. If there are no vowels in the message then the server sends a "Not enough vowels" message to the client, if there are at least two vowels then the server sends "Enough vowels I guess" and if there are more than two vowels then the server sends "Too many vowels" to the client. The only difference here is that the server will be able to respond to multiple clients simultaneously.