Task:

In this project we want to create a VPN server and client software based on concurrent programming and some network knowledge including building a tunnel which connects the client and server and constructing a client to help browser connects the VPN. In tunnel part, we want to implement TCP protocol which means every time client receive a TCP request, it would open a port to handle it. In the meantime, the server will open a port corresponding to the client one. As for client, we may use SOCKS to make sure browser can visit websites.

The reason we want to build a VPN is due to the great firewall of China(abbreviated to GFW). People in mainland of China can’t visit some selected websites such as Youtube or Google. What’s worse,