

PROGRAMMING ASSIGNMENT_1 CSE_589

The Program is designed to implement basic network functionality using sockets.

The program basically can run as both server or client. In server mode the program accepts a port to be configured as listening port to allow it accept incoming request and maintain a list of client. Each time a peer is added or deleted the server sends an updated list to all its client.

The client can register with server to get list of ip address with which it can communicate. Connect command is used to connect to peers and download can be used to download file by specifying the chunk size.

Other simple functionalities such as displaying of IP address PORT and Peer list have been implemented.

The program uses built-in socket libraries provided to implement the above given functionality.

References-

Linux Man Pages

<http://beej.us/guide/bgnet/output/html/singlepage/bgnet.html>