User manual

ThreadBank application is application that asks commands from banks clients and put them in the service desk with shortest queue where client will be served in own turn. Application contains two programs client.c and server.c. client.c asks command from user and sends them to server.c where master thread sends command to the service desk with shortest queue who will serve the customer.

Here are instructions how to use this app:

1. You can change the amount of service desks(threads) and clients from server.c file from variables "MAXTHREADS" and "number_of_clients". Client number of clients will be between 1-number_of_clients

2.Compile programs with command make.

4. Open two terminals. First start server.c program in one terminal and after that start client.c program in another. If connection succeed there will read "server is working "in client.c terminal.

3. Now you can input commands in client .c terminal. Possible commands you can see by sending input "h".

Possible commands are:

'l clientnum' to get client balance

'w clientnum amount' to withdraw money

't from to amount' to transfer money

'd clientnum amount' to deposit money

'p' to print all clients

'e' to end program

'b' to get bank balance

'h' to get all commands

4. When threads and master thread do something with commands it can be seen in server.c terminal. So, client.c is where you input commands and server.c is where you get outcomes.

5. You can end the program by giving input "e" or pressing ctrl+c for client.c. This will also end server.c program.