

操作說明

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編譯與執行

- 執行環境：

在mac 和 linux 上terminal都可執行

- 編譯：

To make client app, use this command

```
make client
```

- 執行：

To execute, use this command with following argument

- server ip: the ip of the server app
- server port: the port of the server app
- local server ip: the port to use for client app to connect with client app when transaction.

```
./client [server ip] [server port] [local server ip]
```

Client app 操作說明

app 會詢問你要執行什麼操作，請user輸入想操作的對應數字

```
Pick an action:
[1] Register
[2] Login
[3] GetList
[4] Exit
[5] Transaction
Please enter your numeric choice: █
```

- Register :

輸入想要註冊的user name，便會回傳成功或失敗

```
=====
REGISTER
Please enter a user name: user1
Register successfully
=====
```

- Login :

輸入你的user name來登入，若成功變回傳現在線上用戶

```
=====
LOGIN
Please enter a user name: user1
|-----|-----|-----|
| Username|          IP|    Port|
|   user1|    127.0.0.1|   7777|
|-----|-----|-----|
=====
```

- GetList:

回傳線上用戶和帳戶餘額

```
=====
LIST
Account Balance: 10000
|-----|-----|-----|
| Username|          IP|    Port|
|   user1|    127.0.0.1|   7777|
|   user2|    127.0.0.1|   7770|
|-----|-----|-----|
=====
```

- Exit:

登出server 和結束app

```
=====
EXIT
```

- Transaction:

輸入想傳錢的user name和金額

```
=====
TRANSACTION
Please enter the user name to transact: user2
Please enter the pay amount to transact: 1000
Transaction processing...
Transaction success!
=====
```

收到錢的用戶會出現以下訊息

```
[You Receive a transaction]
||=====||=====||
|| User Name||Pay Amount||
||      user1||      1000||
||=====||=====||
```

參考資料

- Linux man page