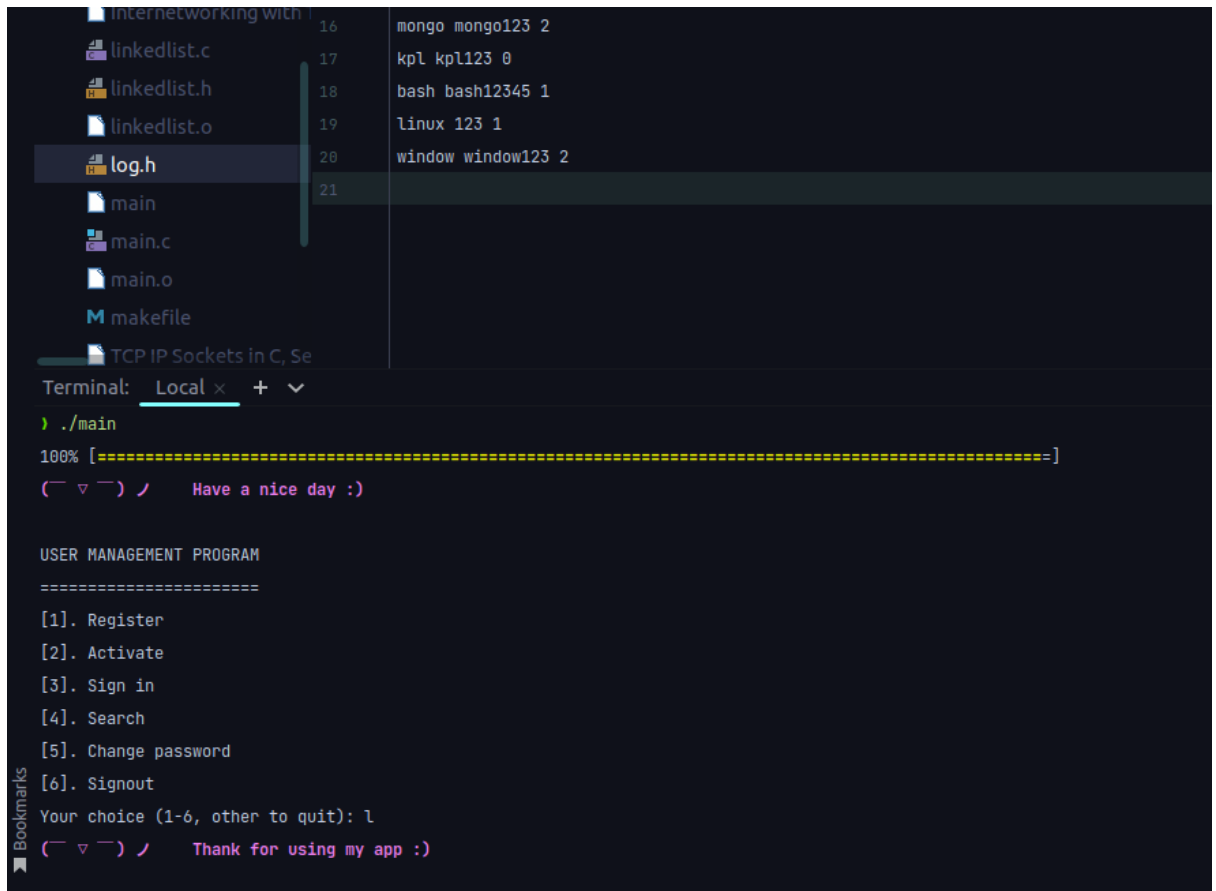


Demo HW1: 20194705 - Hoàng Anh Tuấn

- UI:



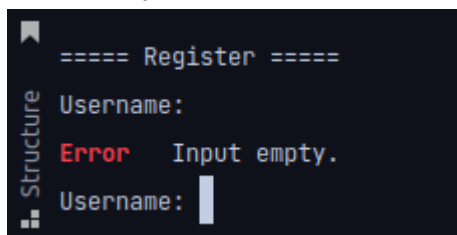
```
16 mongo mongo123 2
17 kpl kpl123 0
18 bash bash12345 1
19 linux 123 1
20 window window123 2
21

Terminal: Local x + v
./main
100% [=====]
( ▾ ▸ ) ✓ Have a nice day :)

USER MANAGEMENT PROGRAM
=====
[1]. Register
[2]. Activate
[3]. Sign in
[4]. Search
[5]. Change password
[6]. Signout
Your choice (1-6, other to quit): 1
( ▾ ▸ ) ✓ Thank for using my app :)
```

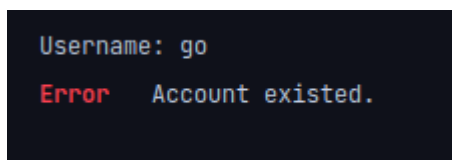
- register:

+ Input empty:



```
===== Register =====
Username:
Error Input empty.
Username: 
```

+ Tài khoản đã tồn tại



```
Username: go
Error Account existed.
```

- + Đăng ký thành công

```
linkedlist.o 19 linux 123 1
log.h 20 window window123 2
main 21 mac mac123 2
main.c 22
main.o
makefile
TCP IP Sockets in C, Se

Terminal: Local x + v
[5]. Change password
[6]. Signout
Your choice (1-6, other to quit): 1

===== Register =====
Username: mac
Password: *****
Success Register successfully!

USER MANAGEMENT PROGRAM
```

tài khoản mới được lưu vào cuối file

hide password

- Activate:

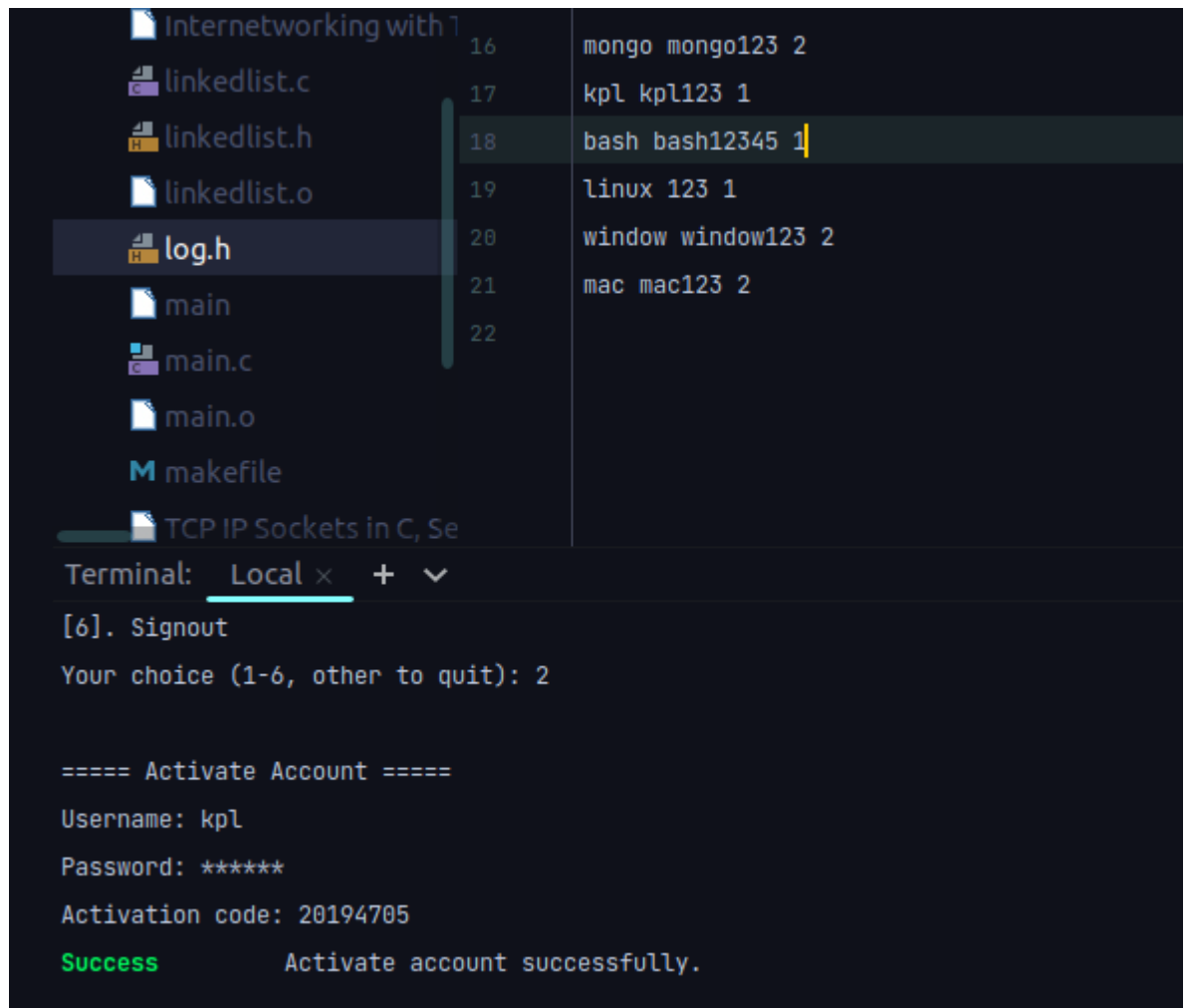
- + Nếu tài khoản đã hoạt động hoặc tài khoản là tài khoản đang được đăng nhập:

```
linkedlist.h 18 bash bash12345 1
linkedlist.o 19 linux 123 1
log.h 20 window window123 2
main 21 mac mac123 2
main.c 22
main.o
makefile
TCP IP Sockets in C, Se

Terminal: Local x + v
[4]. Search
[5]. Change password
[6]. Signout
Your choice (1-6, other to quit): 2

===== Activate Account =====
Username: linux
( ^ v ^ ) ✓ Account activated.
```

+ Kích hoạt tài khoản thành công:



```
Internetworking with 1 16
linkedlist.c 17
linkedlist.h 18
linkedlist.o 19
log.h 20
main 21
main.c 22
main.o
makefile
TCP IP Sockets in C, Se

Terminal: Local x + v
[6]. Signout
Your choice (1-6, other to quit): 2

===== Activate Account =====
Username: kpl
Password: *****
Activation code: 20194705
Success Activate account successfully.
```

- + Nhập sai mã kích hoạt quá 4 lần. Ví dụ với username là mac:

```

log.h      20      window window123 2
main       21      mac mac123 0
main.c     22
main.o
makefile
TCP IP Sockets in C, Se

Terminal: Local x + v
Password: *****
Activation code: a
Error    Activation code incorrect.
Warning  You remain 3 time(s) input password!
Activation code: b
Error    Activation code incorrect.
Warning  You remain 2 time(s) input password!
Activation code: c
Error    Activation code incorrect.
Warning  You remain 1 time(s) input password!
Activation code: d
Error    Activation code incorrect.
Warning  You remain 0 time(s) input password!
Error    Account blocked.

```

- Signin

- + Sai username:

```

===== Sign in =====
Username: mac m
Password: *****
Error    Account not found.

```

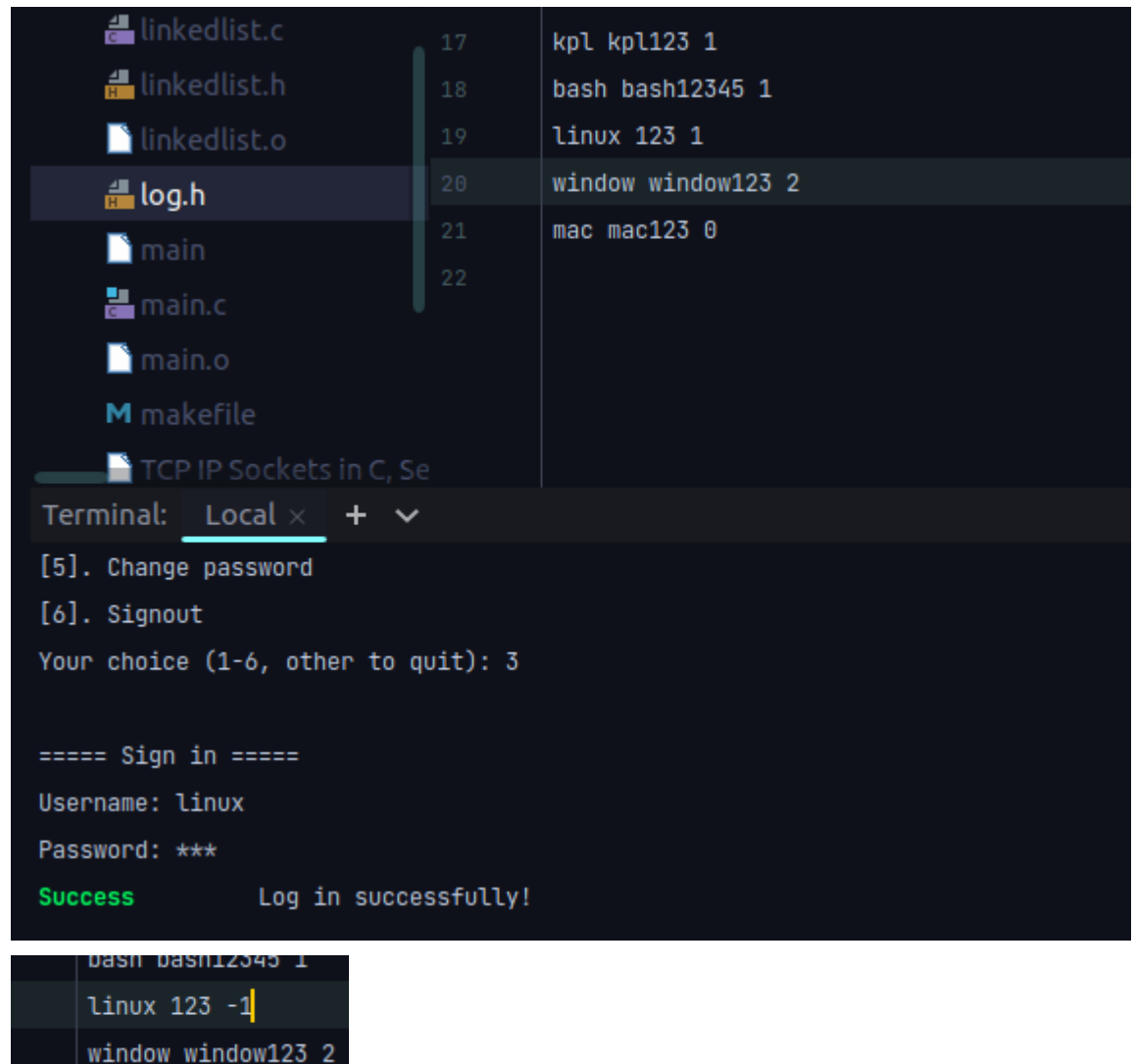
- + Nếu tài khoản đã bị khóa hoặc tài khoản chưa được kích hoạt:

```

===== Sign in =====
Username: mac
Password: *****
Error    Account blocked.
Warning  Please activate account or login with other accounts.

```

- + Đăng nhập thành công.



```
linkedlist.c 17 kpl kpl123 1
linkedlist.h 18 bash bash12345 1
linkedlist.o 19 linux 123 1
log.h 20 window window123 2
main 21 mac mac123 0
main.c 22
main.o
makefile
TCP IP Sockets in C, Se

Terminal: Local x + v
[5]. Change password
[6]. Signout
Your choice (1-6, other to quit): 3

===== Sign in =====
Username: linux
Password: ***
Success Log in successfully!

bash bash12345 1
linux 123 -1
window window123 2
```

NOTE:

- + ĐĂNG NHẬP THÀNH CÔNG SẼ LƯU TRẠNG THÁI -1 VÀO TRONG FILE.
- + TRẠNG THÁI -1 ĐỂ KHI THOÁT RA VÀO LẠI CHƯƠNG TRÌNH TA CÓ THỂ ĐĂNG NHẬP VỚI TÀI KHOẢN TRONG PHIÊN TRƯỚC LUÔN MÀ KHÔNG CẦN ĐĂNG NHẬP LẠI.

- + Nếu đã đăng nhập thì khi chọn đăng nhập:

```
[1]. Register
[2]. Activate
[3]. Sign in
[4]. Search
[5]. Change password
[6]. Signout
Your choice (1-6, other to quit): 3
Warning      You are logged in.
```

- Signout

- + Nhập sai username:

```
===== Sign out =====
Username: a
Error      Username incorrect.
```

- + Nhập đúng username:

```
17 kpl kpl123 1
18 bash bash12345 1
19 linux 123 1
20 window window123 2
21 mac mac123 0
22
```

Terminal: Local x + v

```
[6]. Signout
Your choice (1-6, other to quit): 6

===== Sign out =====
Username:
Error Input empty.
Username: linux
Success You are logged out.
```

NOTE: KHI LOGOUT THÀNH CÔNG THÌ TRẠNG THÁI CHUYỂN VỀ 1.

+ Chưa đăng nhập:

```
[6]. Signout
Your choice (1-6, other to quit): 6
Error You are not logged in.
```

- Search:

```

===== Search =====
Username: mac
Success
Username: mac
Status: Blocked

===== Search =====
Username: window
Success
Username: window
Status: Not activated

===== Search =====
Username: linux
Success
Username: linux
Status: Active

===== Search =====
Username: a
Error Account not found.

```

- Change password
 - + Sai mật khẩu cũ:

```

===== Change Password =====
Old password: **
Error Password incorrect.

```

- + Đổi mật khẩu thành công:

```

linkedlist.c 17 kpl kpl123 1
linkedlist.h 18 bash bash12345 1
linkedlist.o 19 linux linux123 -1
log.h        20 window window123 2
main         21 mac mac123 0
main.c       22
main.o
makefile
TCP IP Sockets in C, Se

Terminal: Local x + v
[5]. Change password
[6]. Signout
Your choice (1-6, other to quit): 5

===== Change Password =====
Old password: ***
New password: ****
Success Change password successfully.

```


- Nhập kí tự ngoài 1-6:

```
[6]. Signout
Your choice (1-6, other to quit): a
(  ▾  )  Thank for using my app :)
```

- Vì ta chưa signout username linux nên khi đăng nhập lại:

```
[6]. Signout
Your choice (1-6, other to quit): a
(  ▾  )  Thank for using my app :)

) ./main
100% [=====]
(  ▾  )  linux, have a nice day :)

USER MANAGEMENT PROGRAM
=====
[1]. Register
[2]. Activate
```

- Nếu signout sau đó đăng nhập lại:

```
==== Sign out ====
Username: linux
Success      You are logged out.

USER MANAGEMENT PROGRAM
=====
[1]. Register
[2]. Activate
[3]. Sign in
[4]. Search
[5]. Change password
[6]. Signout
Your choice (1-6, other to quit): asdf
(  ▾  )  Thank for using my app :)

) ./main
100% [=====]
(  ▾  )  Have a nice day :)
```

-> Không hiển thị tên người dùng nữa.