

## DEMO LAB1

### Case 1: Register

- Account existed:

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
1
Username: hust
Account existed
```

- Successful registration. Activation required.

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
1
Username: it4062
Password: 123456
Successful registration. Activation required.
```

### Case 2: Activate

- Account is activated

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
2
Username: it4062
Password: 123456
Activation code: 20194543
Account is activated
```

- Account is not activated

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
2
Username: it4062
Password: 123456
Activation code: DTTH
Account is not activated
```

- Activation code is incorrect. Account is blocked (if input over 4 times)

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
2
Username: it4062
Password: 123456
Activation code: dtth
Activation code is incorrect. Account is blocked
```

- Kiểm tra ngoại lệ :
  - + Sau khi nhập username mà chưa có trong file nguoidung.txt thì hiện thông báo là “You are not register” và break khỏi case.
  - + Khi nhập username mà account đó đang active hoặc bị block sẽ hiện thông báo tương ứng và break khỏi case.
  - + Khi active tài khoản mà nhập sai password quá 3 lần sẽ hiện thông báo “Password is incorrect. Account is blocked” và break khỏi case.

### ***Case 3: Sign in***

- Hello + username

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
3
Username: hust
Password: hust123
Hello hust
```

- Cannot file account :

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
3
Username: hut
Cannot find account
```

- Password is incorrect

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
3
Username: hust
Password: hust
Password is incorrect
```

- Password is incorrect. Account is blocked

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
3
Username: hust
Password: 3
Password is incorrect. Account is blocked
```

- Account + username was blocked

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
3
Username: hedspil
Account hedspil was blocked
```

- Kiểm tra ngoại lệ :

+ Sau khi nhập username xong mà account đó đang ở trạng thái chưa active hoặc bị block sẽ hiện thông báo tương ứng và break khỏi case.

+ Sau khi sign in account mà bấm lại case 3 thì sẽ hiện thông báo là “Already sign in with + username” và break khỏi case.

#### **Case 4: Search**

- Cannot file account

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
4
Username: hut
Cannot file account
```

- Account + username is active

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
4
Username: hust
Account hust is active
```

- Account + username is blocked

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
4
Username: hedspil
Account hedspil is blocked
```

- Account + username is idle

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
4
Username: haxinh
Account haxinh is idle
```

Kiểm tra ngoại lệ :

+ Nếu chưa thực hiện case 3 mà thực hiện luôn case 4 thì sẽ hiện thông báo là “Please sign in to use this fuction” và break khỏi case.

### ***Case 5: Change password***

- Password is changed

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
5
Username: hust
Please input current password
Password: hust123
New password: hust12345
Password is changed
```

- Current password is incorrect. Please try again

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
5
Username: hust
Please input current password
Password: 1
Current password is incorrect. Please try again
```

- Kiểm tra ngoại lệ :

+ Nếu chưa thực hiện case 3 mà thực hiện luôn case 5 thì sẽ hiện thông báo là “Please sign in to use this fuction” và break khỏi case.

+ Khi active tài khoản mà nhập sai current password quá 3 lần sẽ hiện thông báo “Password is incorrect. Account is blocked” và break khỏi case.

+ Nếu new password mà giống current password thì hiện thông báo “Password is not changed” và break khỏi case.

### Case 6: Sign out

- Cannot file account

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
6
Username: hut
Cannot file account
```

- Goodbye + username

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
6
Username: hust
Goodbye hust
```

- Account is not sign in

```
USER MANAGEMENT PROGRAM
-----
1. Register
2. Activate
3. Sign in
4. Search
5. Change password
6. Sign out
Your choice (1-6, other to quit):
6
Username: soict
Account is not sign in
```

- Kiểm tra ngoại lệ :

+ Nếu chưa thực hiện case 3 mà thực hiện luôn case 6 thì sẽ hiện thông báo là “Please sign in to use this fuction” và break khỏi case.