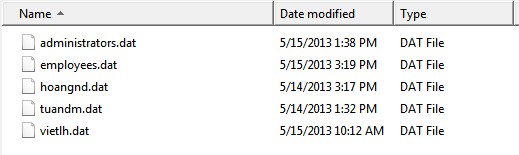
**Assignment 2**

Develop an application to manage human resources with 2 types of users: the administrators and employees. The user must be login to process the employee management functions, the application can recognize login user is admin or employee roles and redirect to corresponding menu. The application using the following files to save data of admin and employees:

* administrators.dat : store username and password for administrator account type
* employees.dat : store username and password for employee account type.
* [username].dat : store user information(user profile) that including name, address, phone number and email address (you can store each information per line).



The administrators have right to run the following functions:

1. Login with admin account and password. (2 mark)
2. Register a new employee with his/her username, password, name, address, phone number and email address. (3 mark)
3. Find an employee by account. (1 mark)
4. Edit the information of employee. (1 mark)
5. View information of all employees. (1 mark)

The employee have right to run the following functions:

1. Login with employee account and view his/her profile. (1 mark)
2. Chang the password for the next login session. (1 mark)

Requirements:

* The program using **Oriented Object Programming and stl map to manage** the list of employees.
* Using map<string, User\*>. User is a class with necessary information, there are 2 classes named Admin and Employee that extend User class.
* Using class named FileUtil, which processes reading and writing text files.
* Using class named AccountControl, which processes functions relates the accounts of employees.
* The main class using the above classes and input data.

Functions of administrators:

LOGIN

Account: admin

Password: \*\*\*\*\*\*

Human resource management system:

1. Create new employee

2. Find employee

3. Edit employee

4. View all employee

Choose service : 1

Enter the account: vietlh

Enter the name: Le Hoang Viet

Enter the age: 25

Enter the address: Ha Noi

Enter the phone: 0932432423

Enter the email: vietlh4@fsoft.com.vn

Human resource management system:

1. Create new employee

2. Find employee

3. Edit employee

4. View all employee

Choose service :4

Employee list!

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tuandm Dang Minh Tuan 30 Ha noi 091234567 minhtuan@gmail.com

vietlh Le Hoang Viet 25 Ha Noi 0932432423 vietlh4@fsoft.com.vn

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Human resource management system:

1. Create new employee

2. Find employee

3. Edit employee

4. View all employee

5. Exit application

Choose service :

Main menu of users:

Human resource management system:

LOGIN

Account: hoangnd

Password: \*\*\*

Human resource management system:

1. View my profile

2. Change password

3. Exit application

Choose service : 1

hoangndnguyen 21 hanoi phone email

Human resource management system:

1. View my profile

2. Change password

3. Exit application

Choose service : 2

CHANGE PASSWORD, Account: hoangnd

Password: \*\*\*

Confirm password: \*\*\*\*\*\*

Password not match, try again

Human resource management system:

1. View my profile

2. Change password

3. Exit application

Choose service : 2

CHANGE PASSWORD, Account: hoangnd

Password: \*\*\*\*\*\*

Confirm password: \*\*\*\*\*\*

Change password sucessful

Human resource management system:

1. View my profile

2. Change password

3. Exit application

Choose service :