

Entity

User

Responsibilities

- Store the name, id, account information, password, record of vaccination, address, phone number of the employee
- Getters for everything above
- Setters for everything above
- Equal based on the id of the user
- Print the user's identity and name

Collaborators

- Account_manager

Abstract

Employee

**FullTimeEmployee,
PartTimeEmployee**

Responsibilities

- Store the wage, attendance, department, and level of the employee
- Getters for everything above
- Setters for everything above
- Print the department of the employee

Collaborators

- Account_manager

FullTimeEmployee

Responsibilities

- Store the total vacation with salaries and the vacation used that the full-time employee has
- Getters for everything above
- Setters for everything above
- Print the information of the full time employees' department, position, and level in strings.

Collaborators

Employee

PartTimeEmployee

Responsibilities

- Store the schedule of the part-time employee
- Getter for schedule above
- Setter for schedule above
- Print the information of the part time employees' department, position, and level in strings.

Collaborators

Interface

Work

Responsibilities (In progress)

- Store the work information, work requirements
- Getter method for the work information and work requirements
- Setter method for the work information and work requirements

Collaborators

- WorkManager
- WorkDistributor

Group

Responsibilities (In progress)

- Store a group's information, including group members, group leader, and project.
- Getter method for the above information.
- Setter method for the above information.

Collaborators

- Userable
- Work
- WorkDistributor
- WorkManager

Interface

Usable

User

Responsibilities

- Define abstract methods for classes that implement this interface.

Collaborators

- Account_manager

Uses Case

AccountManager

- Store a Hashmap called **employee map** that include the userable as the key and employee as the value.
- Counter for recording the IDs that have been issued
- Store and count the total number of employees
- Store and count the total number of part-time employees
- Store and count the total number of full-time employees
- Override the toString method (i.e Account_manager)
- Create new user
- Delete user
- Get total number of employees
- Get total number of part-time employees
- Get total number of full-time employees

- Userable
- Employee
- Verifier

Verifier

- Store a Hashmap called **employee map** that include the Userable type object as the key and employee as the value.
- Verify whether the account exists
- Verify whether the account has the level (i.e: authority)
- Print “this is the verifier”
- Verify the account existence
- Verify the level (authority)

- AccountManager
- Admin_System
- AuthorityManager

AccountChanger

Responsibilities (In progress)

- Modify the information in user and employee account.

Collaborators

- Userable
- Employee
- AdminSystem

AuthorityManager

Responsibilities

- Perform authority (level) -related tasks.

Collaborators

- Admin_System
- Verifier

Pay_Manager

Responsibilities (In progress)

- Calculate the wage of the employees.

Collaborators(In progress)

- Admin_System
- AccountManager

VacationManager

Responsibilities (In progress)

- Manage employees' vacation.
- Modify the status of the employee

Collaborators

- AccountManager

WorkManager

Responsibilities (In progress)

- Manage the work information.
- Store the progress of the unfinished work.
- Record the group information of the finished project.

Collaborators

- Work
- Group
- Admin_System

WorkDistributor

Responsibilities (In progress)

- Assign new work to the group
- Create a new group

Collaborators

- Work
- Group
- Admin_System
- Employee_System

Interface Adapter

Admin_System

Responsibilities (In progress)

- Store all the manager classes (l.e: Account_Manager, Pay_Manager)
- Controller for the manager to operate on the use cases

Collaborators (In progress)

- Command_User_Interface
- AccountManager
- Pay_Manager (In progress)
- Verifier
- WorkDistributor
- WorkManager

Employee_System

Responsibilities

- Store all the manager classes
- This system will only call manager to return Employee information. This system cannot use USES CASES to modified any information to employee. For instance, it probably can call PayManager to return particular employee its salary on specific months.

Collaborators

Framework

Command_User_Interface

Responsibilities

- Provides a command line interface to user for accessing the systems.

Collaborators

Admin_System
Employee_System
Pay_Manager