

## **Problem Statement**

**Human Capital Management System ERP:** Employees are valuable asset in organisation. Therefore, managing the employees is most crucial task. This system will keep of records of employee, salaries and designation. The software consists of menu which will display all available options like employee management which will include adding, modifying, deleting and displaying the employee data.

Additionally, the system will keep a track of employees' leaves and wouldn't allow employee to apply for leave more than entitled. Lastly, the system will calculate the employee's salary based on no of hours he/she worked. Also, system will display the pay stub if he/she wants.

In this system there are two types of users that is

1. Admin Menu –

This menu contains option related to employee such as creation, deletion and modification

2. Employee Menu-

This menu contains options related to employee like displaying pay stub, applying leaves and resetting the password.

## **File and Folder Structure Organization**

**1. bin :** This folder have executable and data file for the HCM ERP system one input file :

- Employee.DAT
- Main.exe
- SAL.DAT

**2. build :** This folder has all the object files generated using make file..

- add.o
- apply\_leave.o
- approve\_leave.o
- console.o

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- delete.o
- info.o
- list.o
- login.o
- main.o
- menu\_admin.o
- menu\_employee.o
- modify.o
- month\_convert.o
- new\_pass.o
- pay.o
- pay\_emp.o
- time1.o
- user\_name.o.o
- validate.o

**3. doc :** This folder have documentation files of the project.

- Architecture.png
- Flow chart of HCM ERP.png
- User Manual for HCM.pdf
- Running HCM-ERP using GitBash.pdf

**4. include :** This folder have the all the header files used in the project.

- add.h
- apply\_leave.h
- approve\_leave.h
- console.h
- delete.h
- info.h
- list.h
- login.h
- main.h
- menu\_admin.h
- menu\_employee.h
- modify.h
- month\_convert.h

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- new\_pass.h
- pay.h
- pay\_emp.h
- time1.h
- user\_name.h.h
- validate.h
- Emp\_structure.h
- sal\_structure.h
- 

**5. src :** This folder contains the source code for the message and top model.

- add.c
- apply\_leave.c
- approve\_leave.c
- console.c
- delete.c
- info.c
- list.c
- login.c
- main.c
- menu\_admin.c
- menu\_employee.c
- modify.c
- month\_convert.c
- new\_pass.c
- pay.c
- pay\_emp.c
- time1.c
- user\_name.c.c
- validate.c
- 

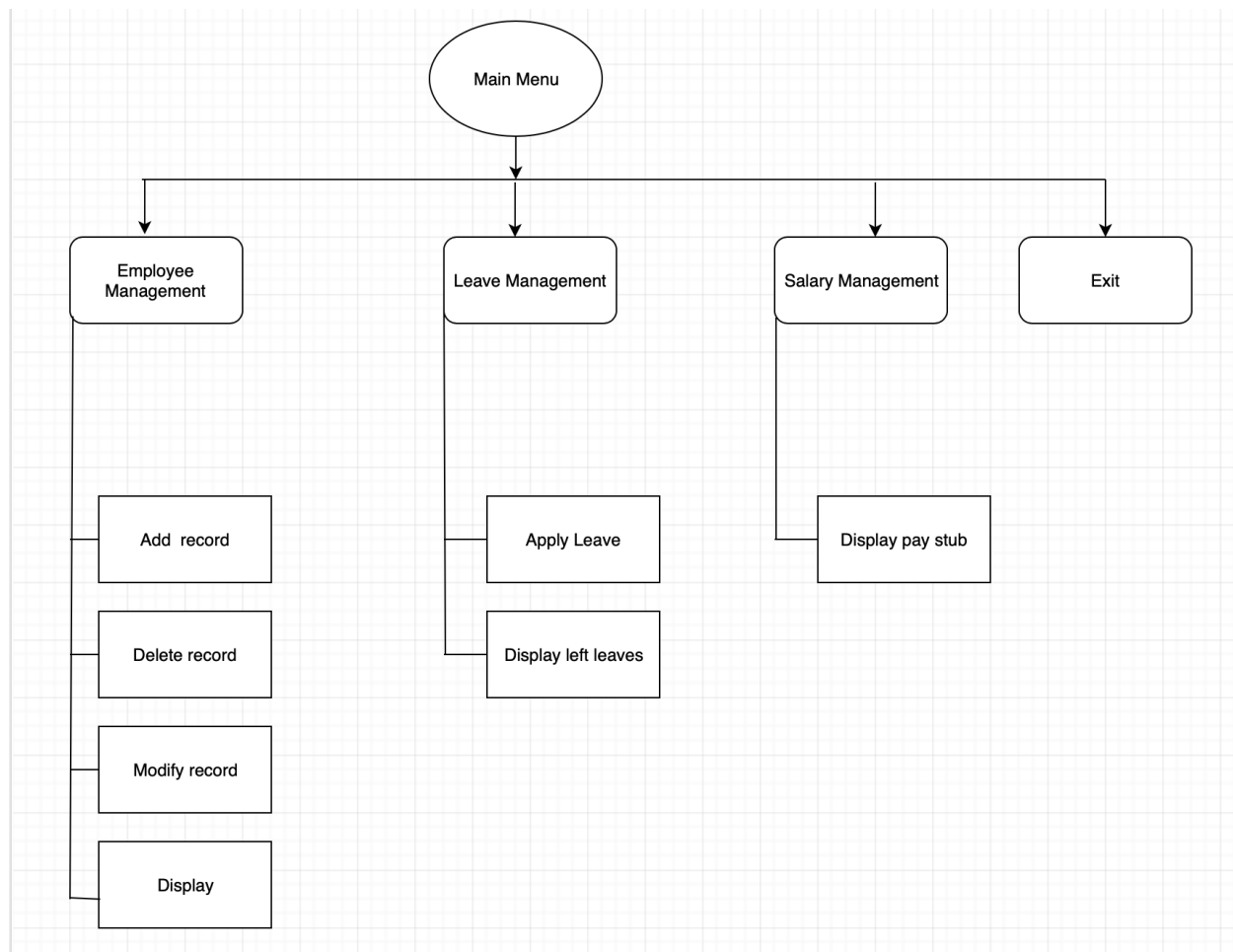
**6. test :** This folder contains the unit test for the project.

- test\_file1.csv

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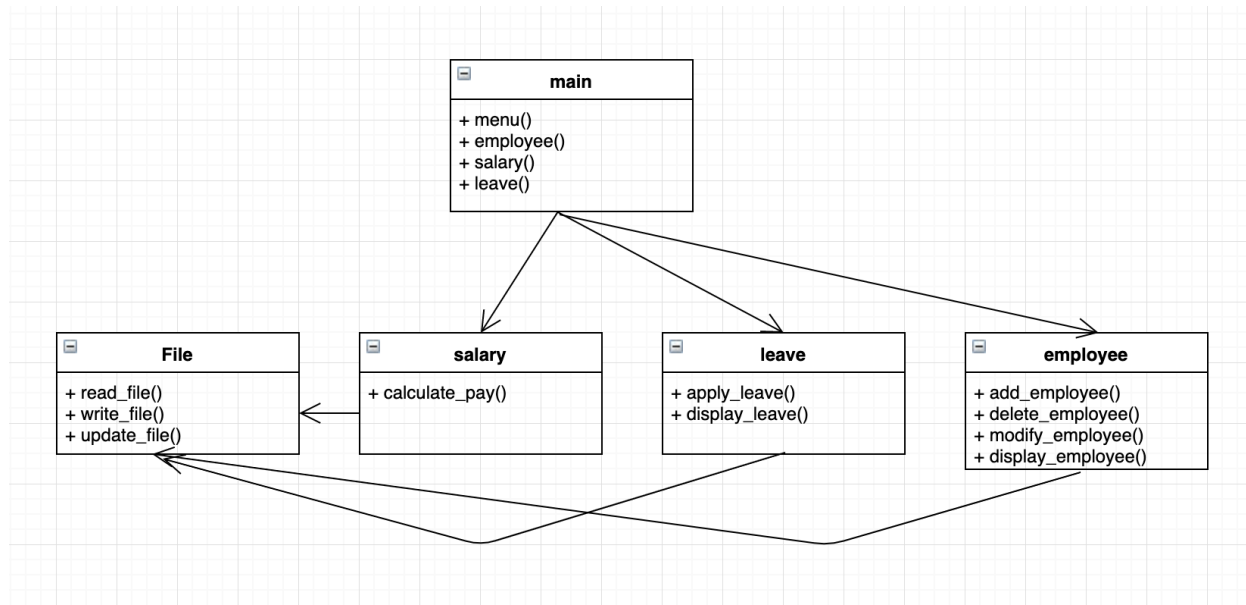
## Flow Diagram



## Class Diagram

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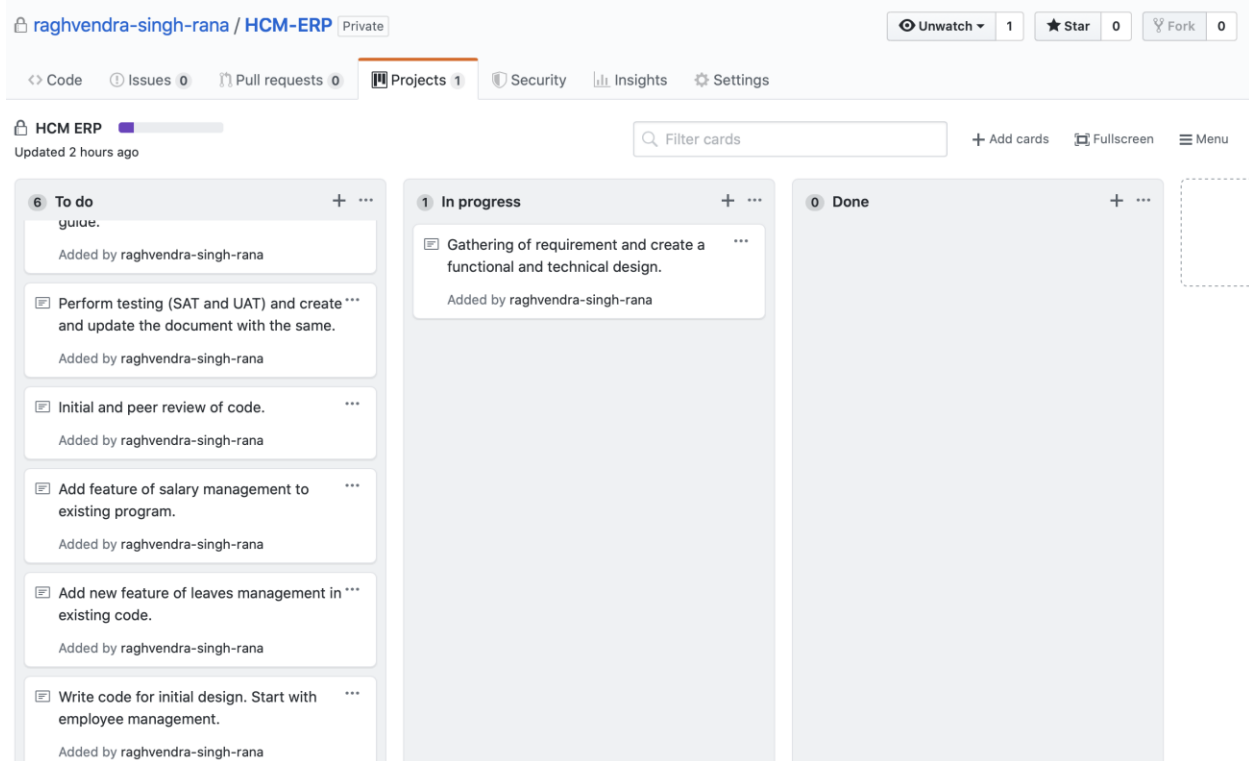
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**Kanban Board**

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The screenshot shows a GitHub Project board for the repository `raghvendra-singh-rana / HCM-ERP`. The board is set to "Private" and has 1 project, 0 issues, 0 pull requests, 0 security issues, 0 insights, and 0 settings. The board is divided into three columns: "To do", "In progress", and "Done".

- To do (6 items):**
  - guide. (Added by raghvendra-singh-rana)
  - Perform testing (SAT and UAT) and create and update the document with the same. (Added by raghvendra-singh-rana)
  - Initial and peer review of code. (Added by raghvendra-singh-rana)
  - Add feature of salary management to existing program. (Added by raghvendra-singh-rana)
  - Add new feature of leaves management in existing code. (Added by raghvendra-singh-rana)
  - Write code for initial design. Start with employee management. (Added by raghvendra-singh-rana)
- In progress (1 item):**
  - Gathering of requirement and create a functional and technical design. (Added by raghvendra-singh-rana)
- Done (0 items):**

**GitHub link:** <https://github.com/raghvendra-singh-rana/HCM-ERP>