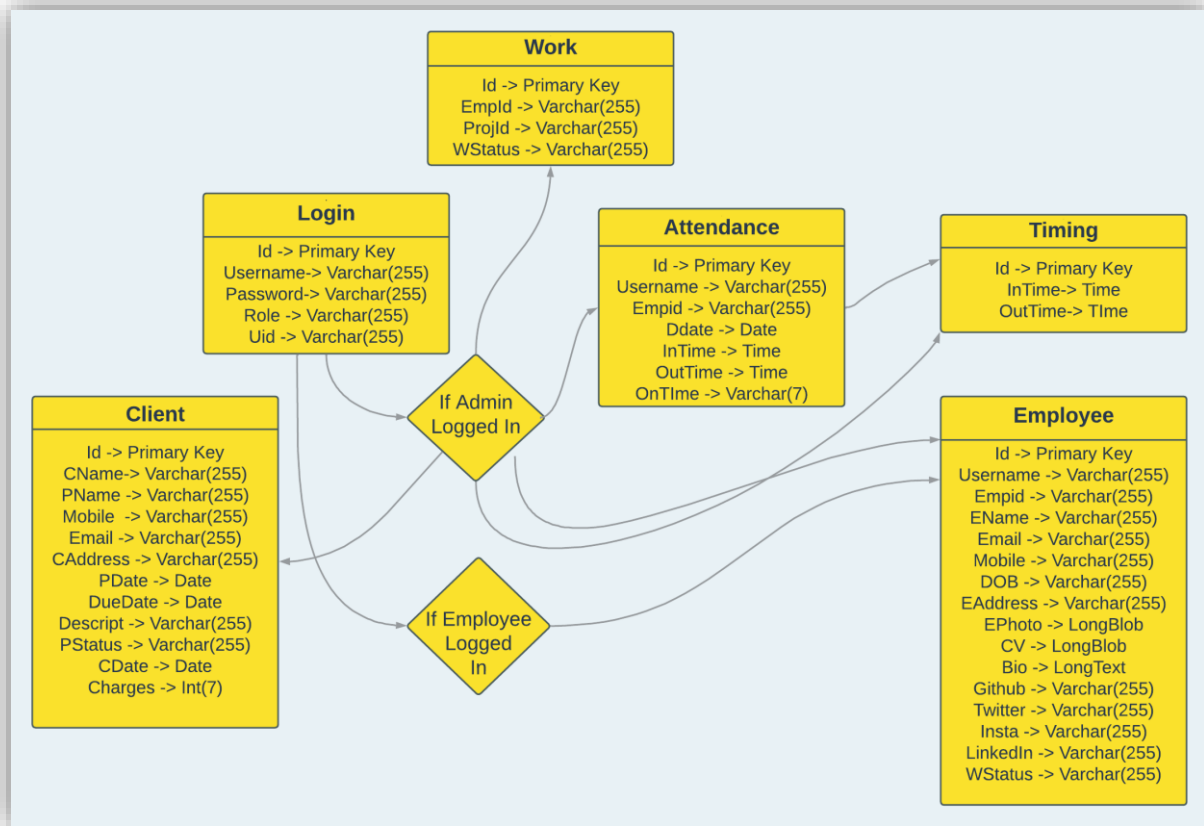


ER Diagram



Work table :

Id, Empid, Projid, WStatus

This table contains about all the currently working and completed project by each Employee.

Login :

id, username, password, role, uid

This table contains all the necessary data that are needed and related for authentication.

Client :

id, CName, PName, Mobile, Email, CAdress, PDate, DueDate, Descript, PStatus, CDate, Charges.

This table contains data regarding all the clients and their projects.

Employee :

Id, Username, Empid, Email, EName, Mobile, DOB, EAddress, EPhoto, CV, Bio, Github, Twitter, Insta, Linkedin, Wstatus.

This table will have all the information of an employee and his/her social IDs.

Attendance :

Id, username, empid, Ddate, InTime, OutTime, OnTime

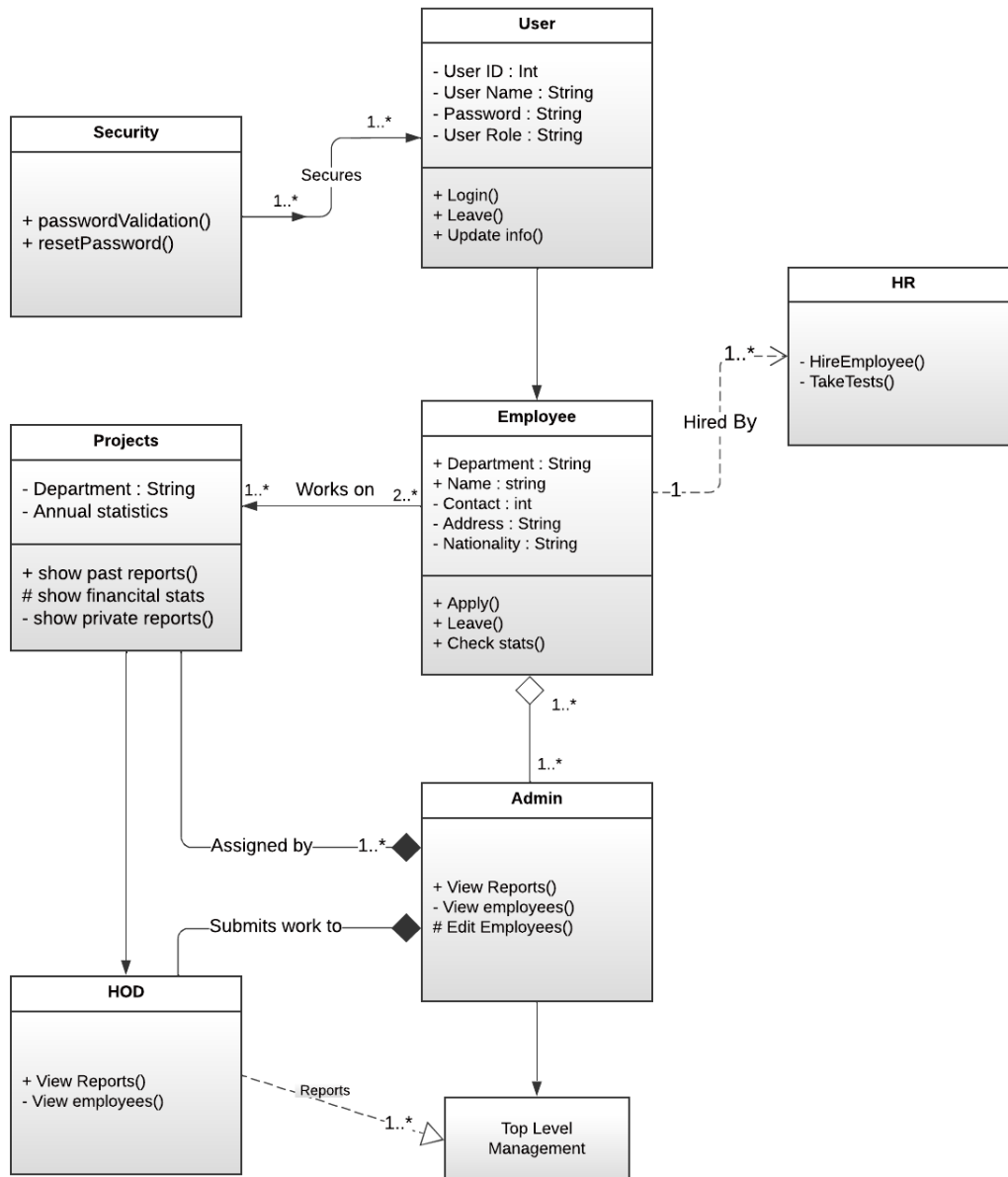
This table has the attendance related information.

Timing :

id, outTime, inTime

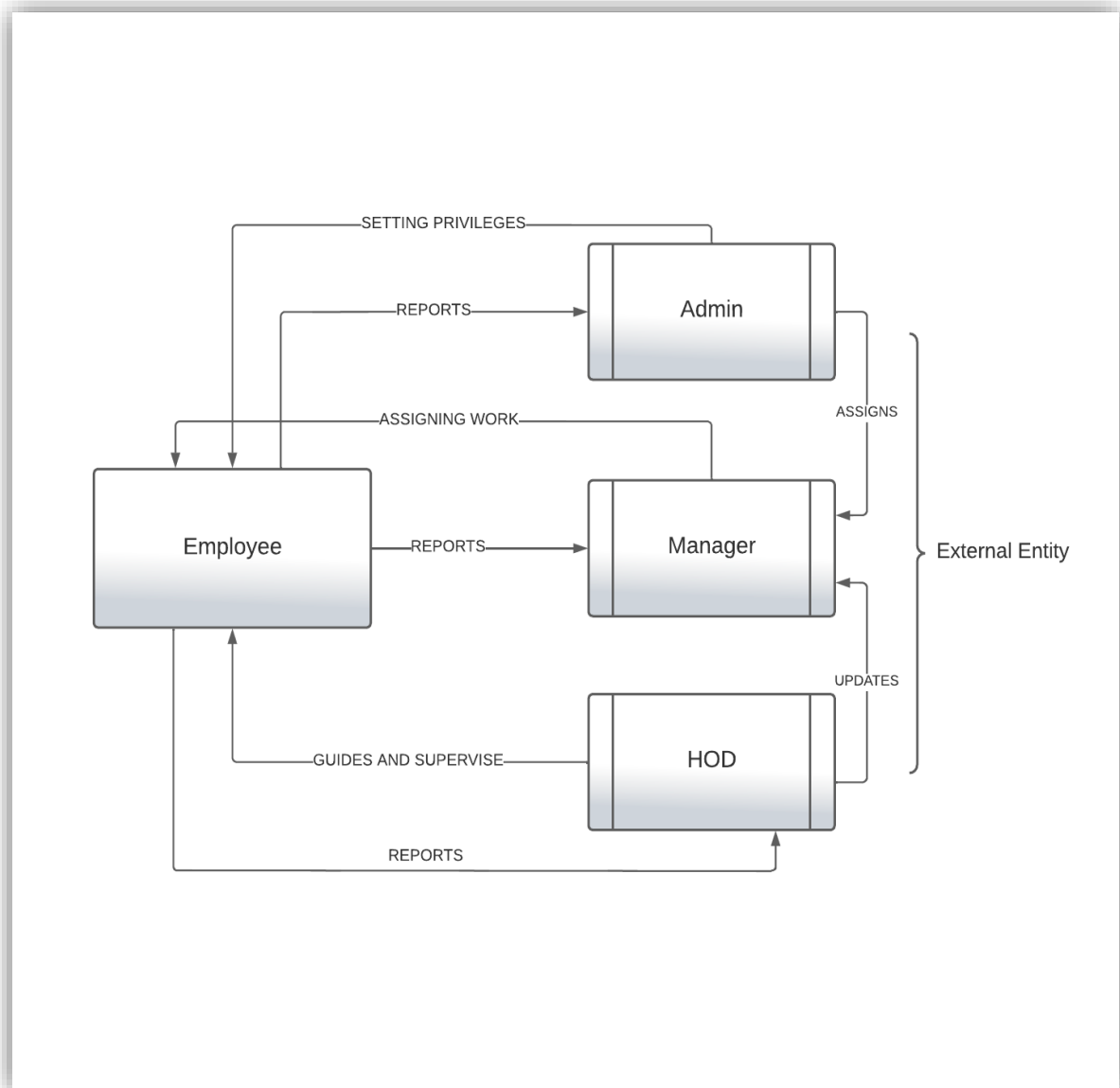
This table contains the company's working time and info.

Class Diagram



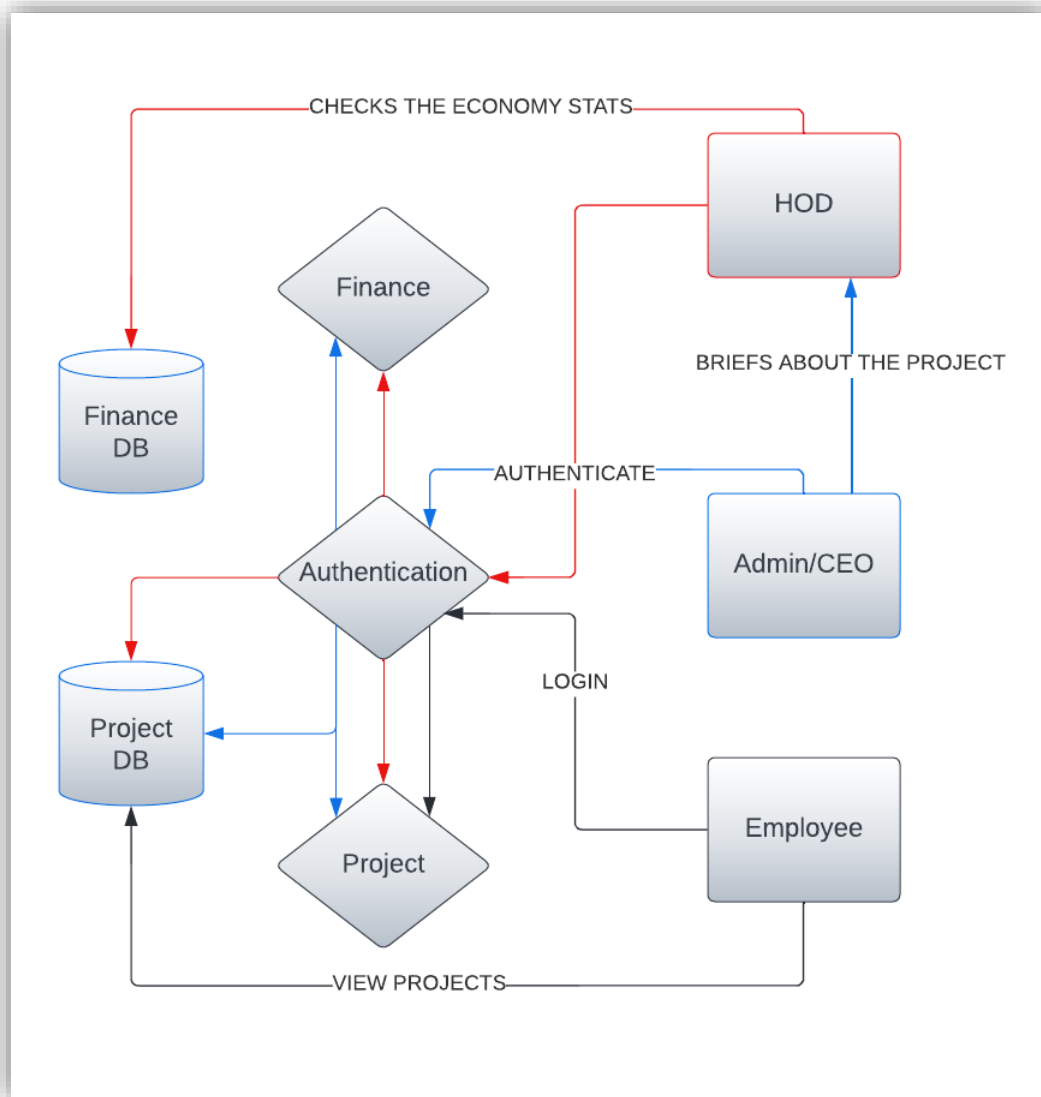
DFD Diagram

Level 0



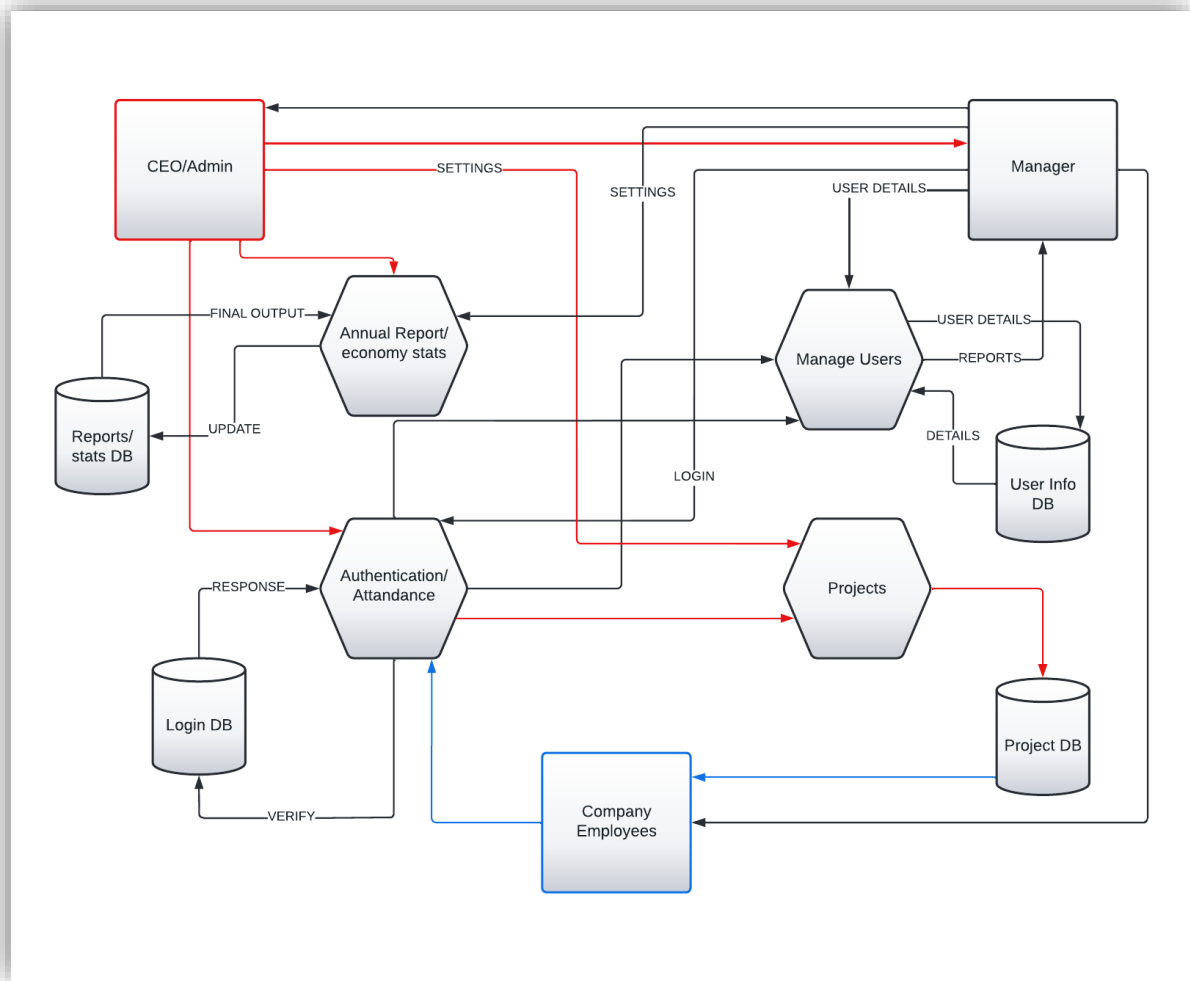
DFD Diagram

Level 1



DFD Diagram

Level 2



Features

1. Admin/ Top Level Management –

- a. View Employee
- b. Edit Employee
- c. Accept or Reject projects
- d. Time management.
- e. View and keep backups
- f. Secured platform

2. Employee –

- a. Edit profile
- b. View tasks
- c. Backups (Work, Finance, Status)
- d. Secured platform
- e. Writes and Mantains Blog
- f. Access to (some) previous projects
- g. Use snippets of old project

3. Finance Department –

- a. View current finance stats
- b. Keeps track of all incoming project
- c. Keeps track of all profits and loss
- d. Average profits and loss
- e. Secured platform
- f. Invoice generator

4. Human Resource (HR) –

- a. Hire Employee
- b. Online MCQ test
- c. Secured platform

5. Manager –

- a. Assigns tasks
- b. Update tasks
- c. View employee
- d. Add employee to projects
- e. Updates to Admin
- f. Generates report

6. Security –

- a. Prepared statements
- b. Password reset (every month)
- c. Sanitization of user input
- d. File directory would be compared with base directory
- e. Two Factor Authentication

7. General Features –

- a. Blog system
- b. View and read previous projects
- c. GitHub based