

Software Design Document

(SDD)

For

Employee Task Management System



Submitted To: Celebal Technologies

Submitted By: Team Python 1

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1.0 Introduction

One of the biggest benefits of a task management tool is it improves collaboration between various intra & inter-departmental teams that work to accomplish a common task. Whether the project is large or small, every team member has got a particular role and responsibility. For a smooth execution & timely deployment of the project, it is imperative to ensure that every member remains internally connected.

A task management tool keeps everyone in loop and enhances collaboration. Team members can easily share their questions or status updates with the right person to get help immediately

The task management software also enables the team to share files, documents, and keep everyone in the loop.

2.0 Functional Description

1: Authentication

- I. Login- The user can login to the system with his/her username and password.
- II. Logout- The user can log out from the system.
- III. Login failure- If the user does not exist in the database or the user has not yet been authorized by the admin.

2:Authorization

- I. User role check- After logging in, the user role will be checked from the database and the user interface will be displayed according to their role.

3: Employee Management

- I. Display- Users with defined roles can display the content of the database. Being more specific, an employee can only view his/her personal information. Boss can not only see his/her personal information but also employee's information who are under his/her department or school.
- II. Edit- A user with an employee role can edit his/her specific personal information. Boss can only edit employees' personal information that is under his/her coverage except user role type. Boss can check employee availability.

4 :Trainee Management

- I. Training - The Boss and employee shall create training tasks and assign them to other Bosses and employees and employees and trainees respectively that are required to attend the training as well.Boss and Employee can also check the availability of the trainee.

5 :Task Management

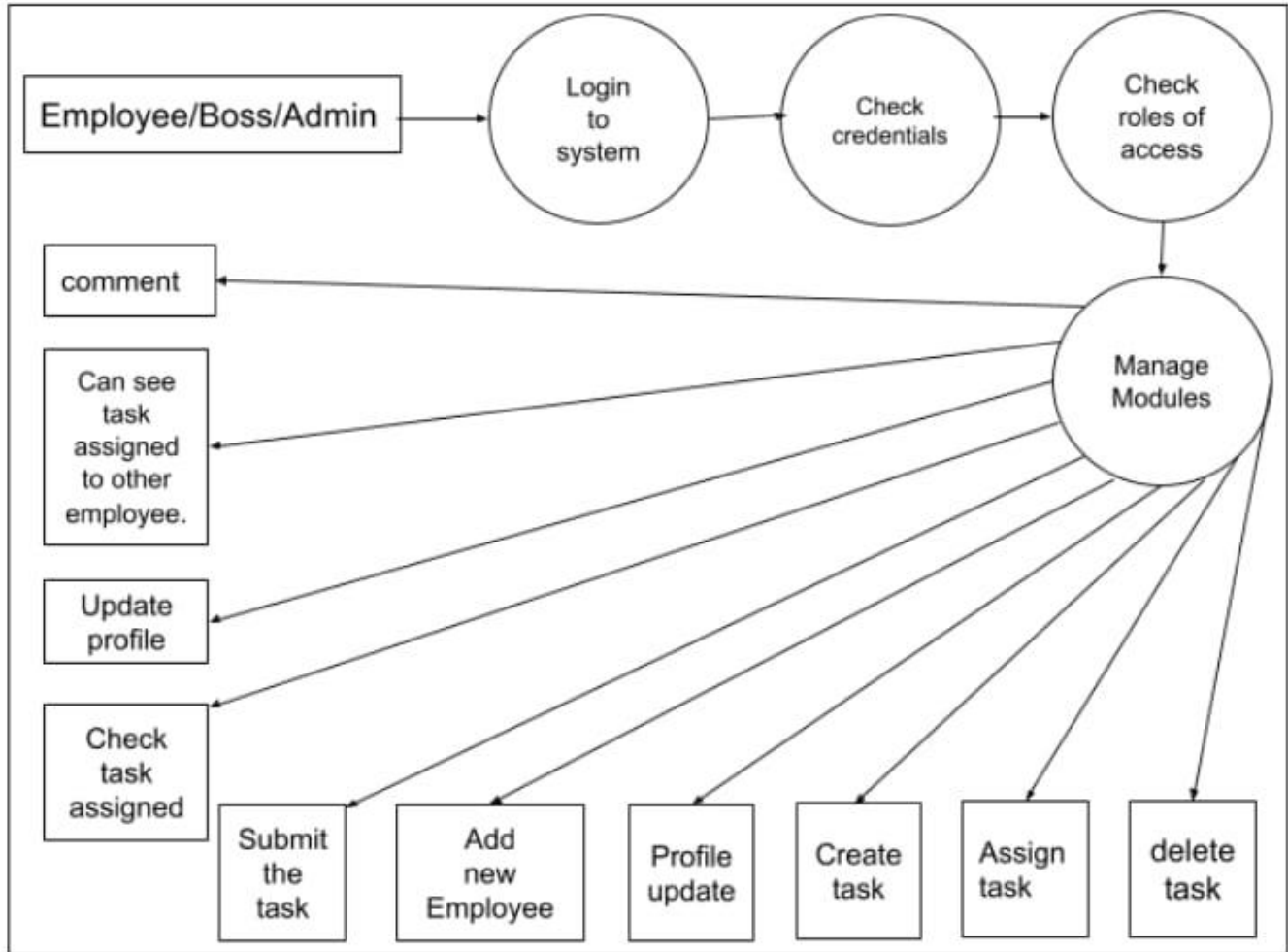
- I. Tasks - Boss and Employee can check assigned task,they can check task priority.they can also create the task and assign the task

3.0 Functional Partitions

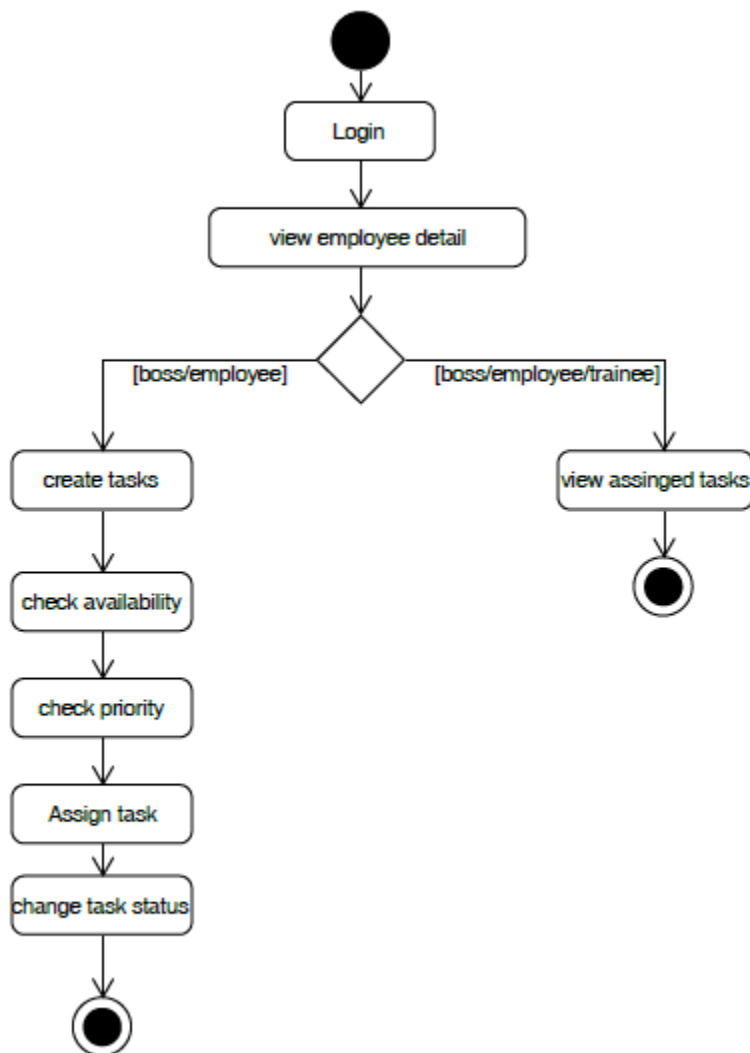
1. Sign Up
2. Login Up
3. View Employee Details
4. Create Task
5. Priority
6. Availability
7. Assign Task
8. Task Status
9. Task Done
10. Task Details
11. Personal Details
12. Submit Task

4.0 Data Description

4.1 Data Flow Diagram



4.2 Flow Chart



5.0 Module Description

1. **Sign Up:** Boss, employee and trainee will sign up using their credentials.
 - a. stimulus : boss/employee/trainee will sign up through the sign up button.
 - b. response : dialogue box for “thank you for sign up” appears.
2. **Log in :** Boss, employee or trainee will login the system using their unique ID.
 - a. stimulus : boss/employee/trainee will login through the login button.
 - b. response : for boss/employee/trainee different pages will appear respectively.
3. **View employee details :** contains employees’ details.
 - a. stimulus : click on button View employee details.
 - b. response : Details appear (only boss and employee can view details)
4. **Create Task :** boss can create task to employee or other boss. employee can create task for trainee or other employee. trainee can not create task.
 - a. stimulus : click create task button.
 - b. response : task will be created
5. **Priority :** Check the assigned task priority. (boss/employee/trainee)
 - a. stimulus : click on check assigned task priority.
 - b. response : shows priority (High, Medium, Low).
6. **Availability :** check availability of boss/employee/trainee for assigning the task.
 - a. stimulus : click on check availability button.
 - b. response : shows availability.
7. **Assign Task :** After creating the task the creator will assign the task to boss/employee/trainee.
 - a. stimulus : click on button assign task.
 - b. response : Task will be assigned
8. **Task Status :** change the task status whether it is completed/submitted/in progress.
 - a. stimulus : click on the button change task status.
 - b. response : changes will be done according to your status when you choose options from it.
9. **Task done :** The feature indicates the task is done. Only bosses and employees can access this feature.
 - a. stimulus: click on the task done button.
 - b. response : status will be updated that task is done.
10. **Task Details :** will get trainees through the details of the task assigned.
 - a. stimulus : click on View Task Details button
 - b. response : details appeared

11. Personal Details : will display personal details of the trainee to her /him.

- a. stimulus : click on View personal details button.
- b. response : personal view appear to him/her.

12. Submit Task : The feature is for trainees only ,to submit the task.

- a. stimulus : click on submit task button
- b. response : task will be submitted.

6.0 References

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