



Darshan University

A Project Report on

“Employee Management System”

Under the subject

Software Engineering (2301CS405)

B. Tech, Semester – IV

Computer Science & Engineering Department

Submitted By

Student Name: Ida Gaurav R.

Enrollment No.: 24010101637

Academic Year

(2024-2025)

Internal Guide

Prof. R. B. Gondaliya

Darshan University

Dean-DIET

Dr. Gopi Sanghani

Darshan University



**Computer Science & Engineering
Department
Darshan University**

DECLARATION

We hereby declare that the SRS, submitted along with the **Software Engineering (2301CS405)** for entitled “**Employee Management System**” submitted in partial fulfilment for the Semester-5 of **Bachelor Technology (B. Tech)** in **Computer Science and Engineering (CSE)** Department to Darshan University, Rajkot, is a record of the work carried out at **Darshan University, Rajkot** under the supervision of R. B. Gondaliya and that no part of any of report has been directly copied from any students’ reports, without providing due reference.

(Ida Gaurav R.)

Student’s Signature

Date: _____



**Computer Science & Engineering
Department
Darshan University**

CERTIFICATE

This is to certify that the SRS on “**Employee Management System**” has been satisfactorily prepared by **Ida Gaurav R. (24010101637)** under my guidance in the fulfillment of the course **Software Engineering (2301CS405)** work during the academic year 2024-2025.

Internal Guide
Prof. R. B. Gondaliya
Darshan University

Dean-DIET
Dr. Gopi Sanghani
Darshan University

ACKNOWLEDGEMENT

I wish to express my sincere gratitude to my project guide Prof. R. B. Gondaliya and all the faculty members for helping me through my project by giving me the necessary suggestions and advices along with their valuable co-ordination in completing this work.

I also thank my parents, friends and all the members of the family for their precious support and encouragement which they had provided in completion of my work. In addition to that, I would also like to mention the Darshan University personals who gave me the permission to use and experience the valuable resources required for the project from the University premises.

Thus, in conclusion to the above said, I once again thank the faculties and members of **Darshan University** for their valuable support in completion of the project.

Thanking You

Ida Gaurav R.

ABSTRACT

The Employee Management System is a system designed to computerize and streamline the daily administrative and managerial tasks related to employee management within an organization. This system aims to transition traditional manual processes into a fully digital solution. The project includes features that are often missing in manual systems, such as secure user login for employees, managers, and admins, real-time task assignment and tracking, and leave management.

It also provides an admin login facility, enabling the admin to manage employee records, assign managerial roles, and update privileges. Managers can oversee tasks, roles, and department assignments for employees, while employees can log in to view tasks, update their status, check salary details, and apply for leaves.

The system is designed with essential features such as adding, viewing, updating, and deleting employee details, granting or revoking user permissions, and generating leave and task reports. Its primary purpose is to reduce human effort, enhance accuracy, and increase the efficiency of employee management operations.

Table of Contents

List of Figures.....	I
List of Tables.....	II
1 Introduction.....	1
1.1 Product perspective	1
1.2 Product features.....	1
1.2.1 There are three different users who will be using this product:.....	1
1.2.2 The features that are required for the Admin are:	1
1.2.3 The features that are required for the Manager are:	1
1.2.4 The features that are required for the Employee are:.....	1
1.3 Functional Requirement.....	1
1.3.1 Admin	1
1.3.2 Manager	2
1.3.3 Employee.....	2
1.4 Non-Functional Requirement.....	2
1.4.1 Usability:.....	2
1.4.2 Accuracy:	2
1.4.3 Availability:	2
1.4.4 Maintainability:	2
2 Design and Implementation Constraints.....	3
2.1 Use case diagram.....	3
2.2 Activity diagram and Swimlane diagram.....	4
2.2.1 Activity diagram and Swimlane diagram for Assigning Manager.....	4
2.2.2 Activity diagram and Swimlane diagram for Add Employee	6
2.3 Sequence diagram	8
2.3.1 Sequence diagram for Assigning Task	8
2.3.2 Sequence diagram for Leave Application.....	9
2.4 State diagram	10
2.4.1 State diagram for Leave Application	10
2.4.2 State diagram forTask.....	11
2.5 Class diagram.....	12
2.6 Data flow diagram	13
2.6.1 Context diagram (level-0).....	13
2.6.2 DFD Level-1.....	13
3 External interface requirement (Screens)	14
3.1 Screen-1: Assigning Task	14
3.2 Screen-2: Change Department.....	15
3.3 Screen-3: Get Salary Detail.....	16

3.4	Screen-4: Grant Privileges	16
3.5	Screen-5: Revoke Privileges.....	168
4	Database design	19
4.1	List of Tables.....	19
5	Stories and Scenario	21
5.1	Story-1: Add New Employee in Employee cataloge	21
5.1.1	Scenario# S1.1	21
5.1.2	Scenario# S1.2	21
5.2	Story-2: Change Department	22
5.2.1	Scenario# S2.1	22
5.2.2	Scenario# S2.2	22
5.3	Story-3: Request for Leave	23
5.3.1	Scenario# S3.1	23
5.3.2	Scenario# S3.2	23
6	Test cases	24
7	References.....	28

List of Figures

Figure 2.1-1 Use case diagram for Employee Management System.....	3
Figure 2.2.1-1 Activity diagram for Assigning Manager	4
Figure 2.2.1-2 Swimlane diagram for Assigning Manager.....	5
Figure 2.2.2-1 Activity diagram for Add Employee	6
Figure 2.2.2-2 Swimlane diagram for Add Employee.....	7
Figure 2.3.1-1 Sequence diagram for Assigning task	8
Figure 2.3.2-1 Sequence diagram for Leave Application.....	9
Figure 2.4.1-1 State diagram of Leave Application	10
Figure 2.4.2-2 State diagram for Task	11
Figure 2.5-1 Class diagram for Employee Management System.....	12
Figure 2.6.1-1 Context diagram for Employee Management System	13
Figure 2.6.2-1 DFD level-1 for Employee Management System	13
Figure 3.1-1 Screen-1: Assigning Task	14
Figure 3.2-1 Screen-2: Change Department.....	15
Figure 3.3-1 Screen-3: Get Salary Detail.....	15
Figure 3.4-1 Screen-4: Grant Privileges	16
Figure 3.5-1 Screen-5: Revoke Privileges	16

List of Tables

Table 3.1-1 Screen element of Assigning Task	14
Table 3.2-1 Screen element of Change Department.....	15
Table 3.3-1 Screen element of Get Salary Detail.....	16
Table 3.4-1 Screen element of Grant Privileges	15
Table 3.5-1 Screen element of Revoke Privileges	16
Table 4.1-1 Table: Admin	19
Table 4.1-2 Table: Manager.....	19
Table 4.1-3 Table: Employee	19
Table 4.1-4 Table: Salary	20
Table 4.1-5 Table: Task.....	20
Table 4.1-6 Table: Leave.....	20
Table 4.1-7 Table: Department	20

1 Introduction

1.1 Product perspective

The **Employee Management System** is designed to streamline and digitize the management of employee-related tasks and processes. This system replaces manual processes with a comprehensive internet-based application that supports multiple user roles, ensuring efficiency and accuracy in managing employees' information, tasks, and privileges. It provides functionality for administrators, managers, and employees, catering to small and medium-sized organizations.

1.2 Product features

1.2.1 User Roles:

- Admin: Responsible for managing employee records and system privileges.
- Manager: Oversees employees, their roles, tasks, and leave management.
- Employee: Performs assigned tasks, applies for leaves, and checks salary details.

1.2.2 Features for Admin:

- Add new employee records to the system.
- Edit employee details, such as contact information and department.
- Grant or revoke privileges for employees.
- Assign an employee as a manager.
- Deallocate a manager back to a standard employee role.
- View and manage the list of all employees.
- Secure login and logout functionality.

1.2.3 Features for Manager:

- Approve or deny leave requests submitted by employees.
- Assign roles and responsibilities to employees.
- Assign tasks and monitor their progress.
- Update the department assignment of an employee.
- View leave records of their team members.
- Secure login and logout functionality.

1.2.4 Features for Employees:

- View assigned tasks and update their status.
- Apply for leaves and track their approval status.
- Check salary details and payment history.
- Secure login and logout functionality.

1.3 Functional Requirement

1.3.1 Admin:

- Add Employee: The system shall allow the admin to input employee details such as name, role, and department.
- Edit Employee Details: The system shall enable the admin to update employee information when required.
- Grant Privileges: Admin can assign specific access permissions to employees.
- Revoke Privileges: Admin can remove specific permissions from employees.
- Assign Manager: Admin can designate an employee as a manager

- Deallocate Manager: Admin can revoke managerial roles and assign them back as standard employees.
- Manage Employee Records: Admin can view, search, and manage the database of all employees.
- Authentication: Admin must log in securely before accessing the system.

1.3.2 Manager:

- Approve/Deny Leave Requests: Managers can view and respond to leave applications from employees.
- Assign Roles: Managers can assign or update employee roles within their department.
- Assign Tasks: Managers can allocate tasks and set deadlines for employees.
- Update Employee Department: Managers can reassign employees to other departments.
- View Leave Records: Managers can track and view approved leaves for their team.
- Authentication: Managers must log in securely before accessing the system.

1.3.3 Employee:

- Task Status Update: Employees can update their task status (e.g., "In Progress," "Completed").
- Apply for Leaves: Employees can submit leave requests for managerial approval.
- View Salary Details: Employees can check salary breakdowns and payment history.
- Authentication: Employees must log in securely before accessing the system.

1.4 Non-Functional Requirement

1.4.1 Usability:

- The UI should be simple enough for everyone to understand and get the relevant information without any special training. Different languages can be provided based on the requirements.

1.4.2 Accuracy:

- The data stored about the books and the fines calculated should be correct, consistent, and reliable.

1.4.3 Availability:

- The System should be available for the duration when the library operates and must be recovered within an hour or less if it fails. The system should respond to the requests within two seconds or less.

1.4.4 Maintainability:

- The software should be easily maintainable and adding new features and making changes to the software must be as simple as possible. In addition to this, the software must also be portable.

2 Design and Implementation Constraints

2.1 Use case diagram

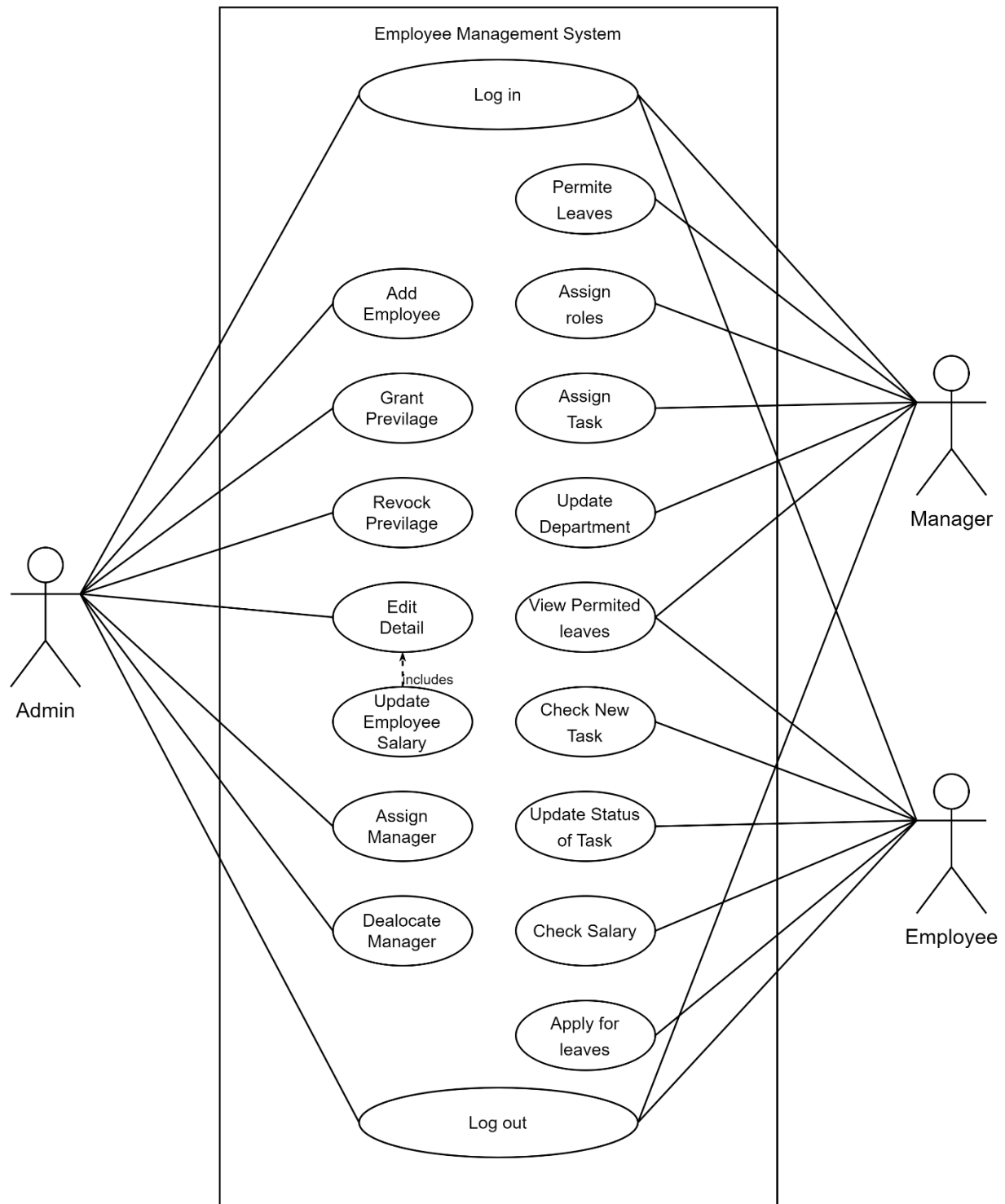


Figure 2.1-1 Use case diagram for Employee Management System

2.2 Activity diagram and Swimlane diagram

2.2.1 Activity diagram and Swimlane diagram for Assigning Manager

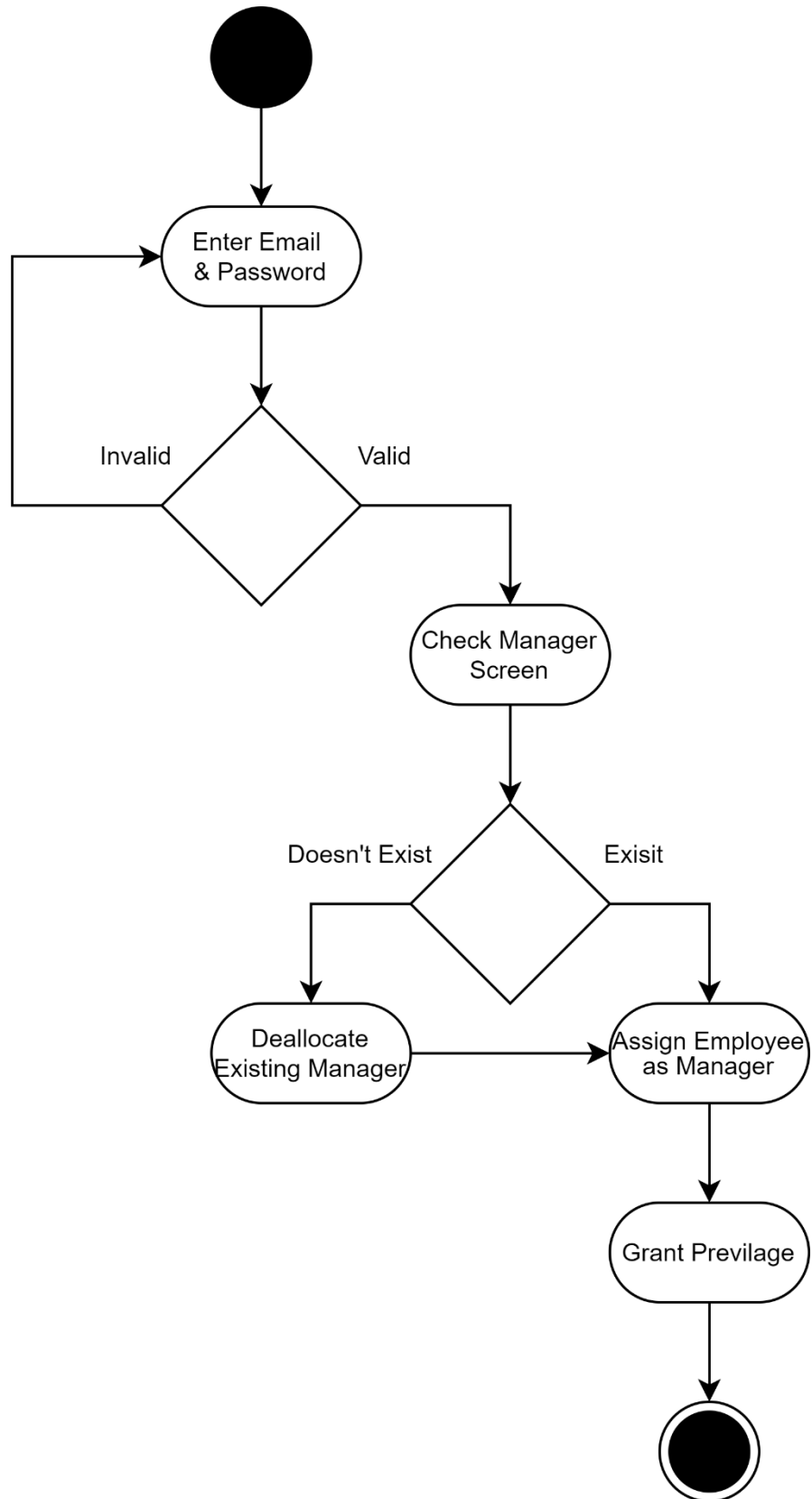


Figure 2.2.1-1 Activity diagram for Assigning Manager

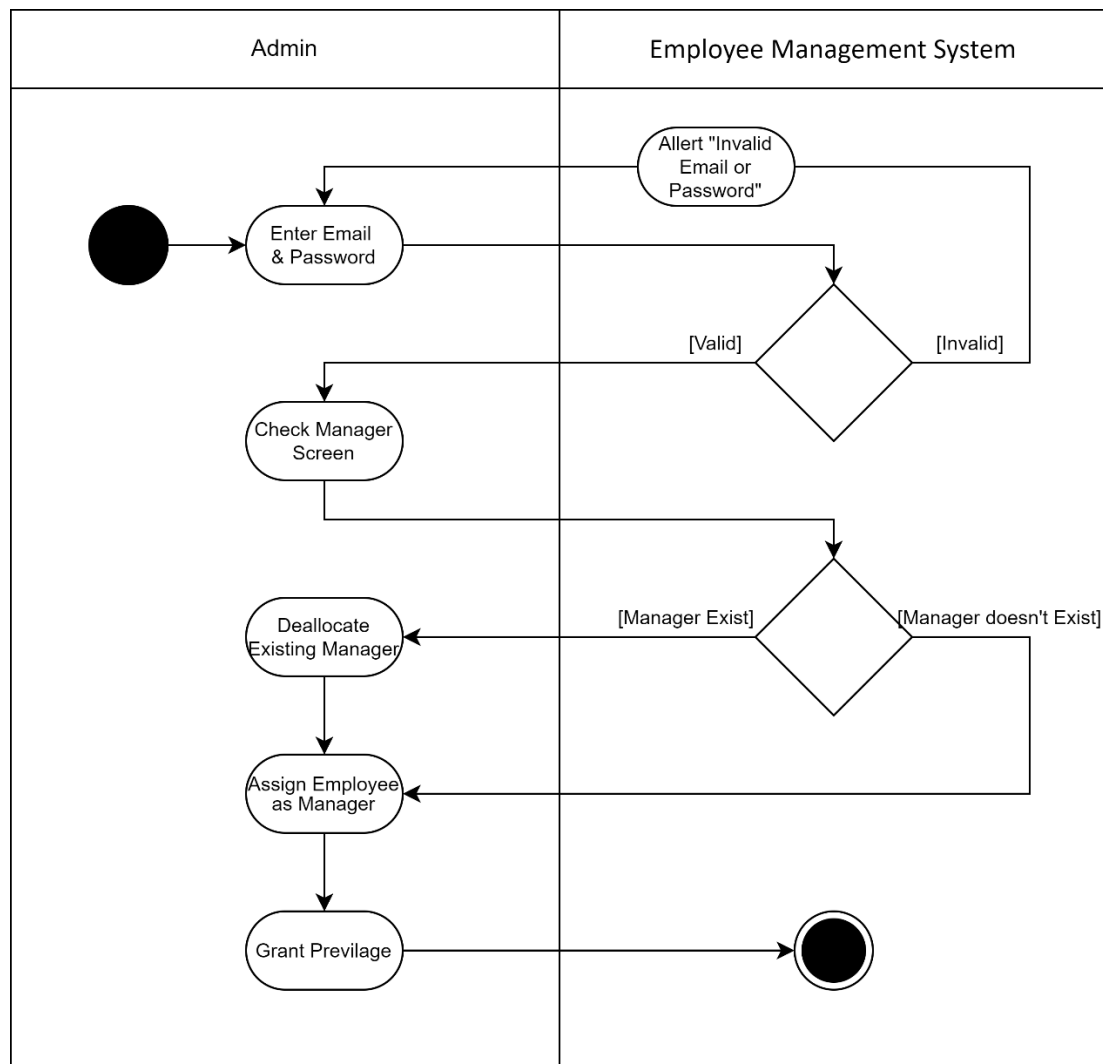


Figure 2.2.1-2 Swimlane diagram for Assigning Manager

2.2.2 Activity diagram and Swimlane diagram for Add Employee

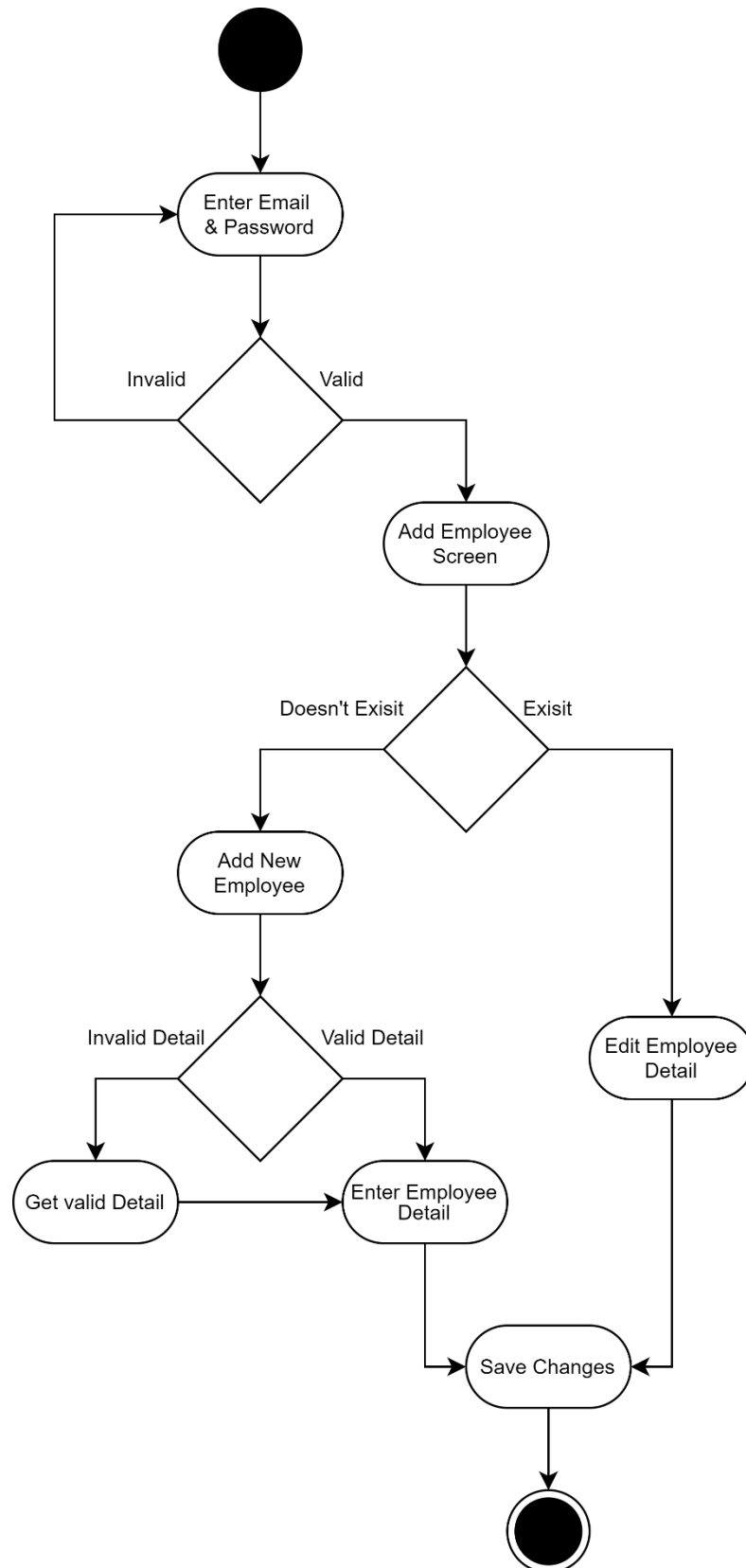


Figure 0.2-1 Activity diagram for Add Employee

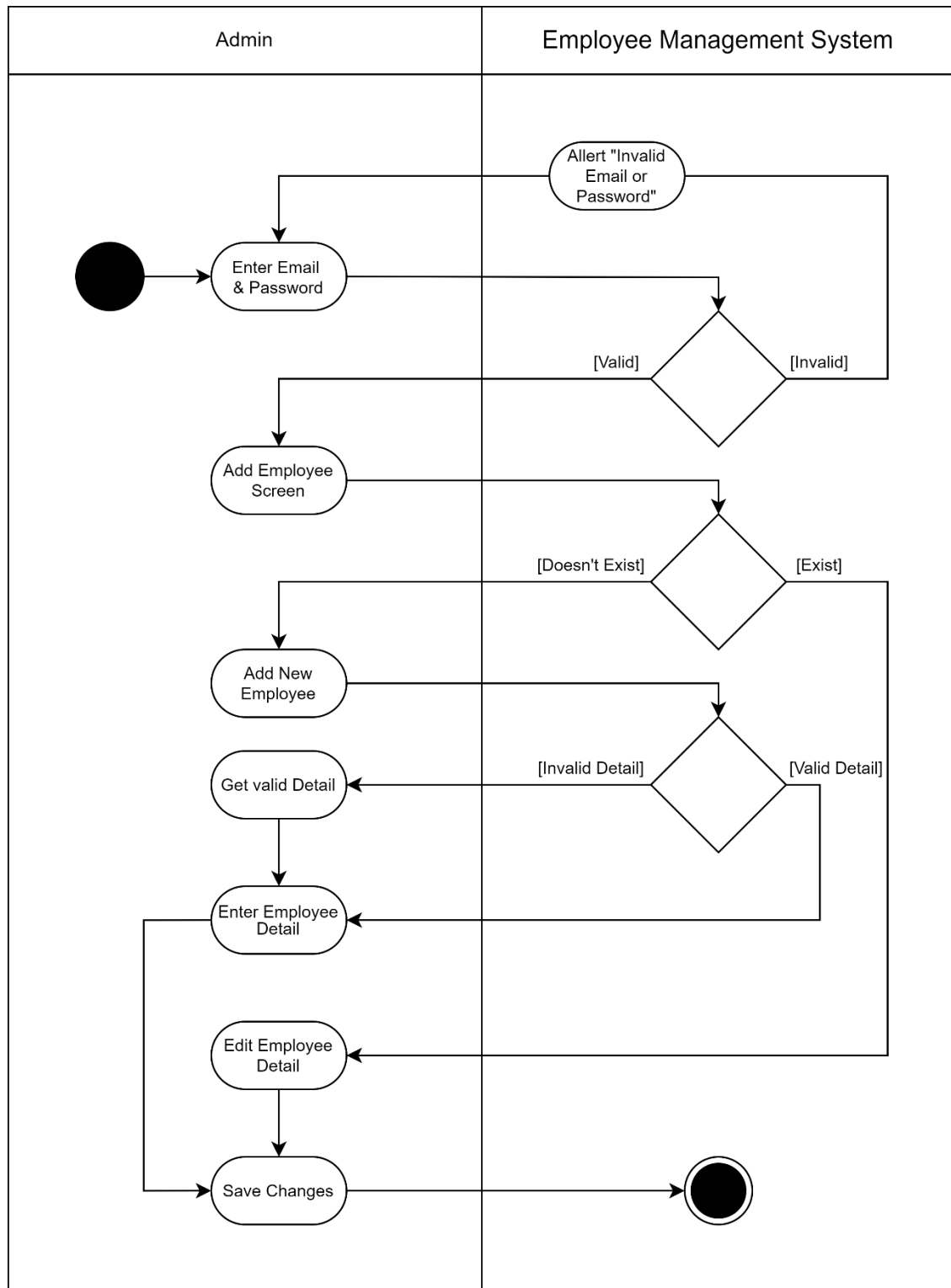


Figure 0.2-2 Swimlane diagram for Add Employee

2.3 Sequence diagram

2.3.1 Sequence diagram for Assigning Task

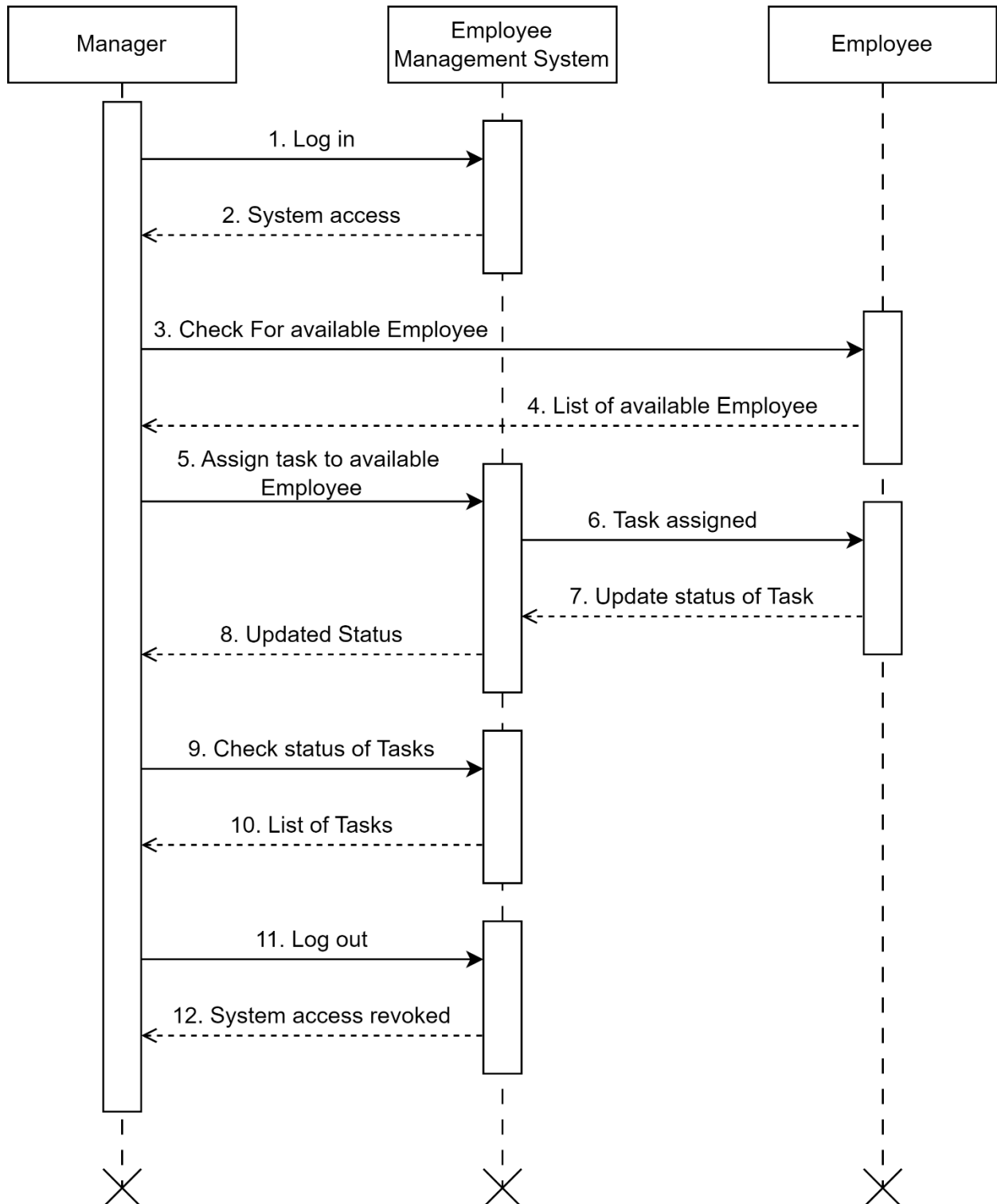


Figure 2.3.1-1 Sequence diagram for Assigning Task

2.3.2 Sequence diagram for Leave Application

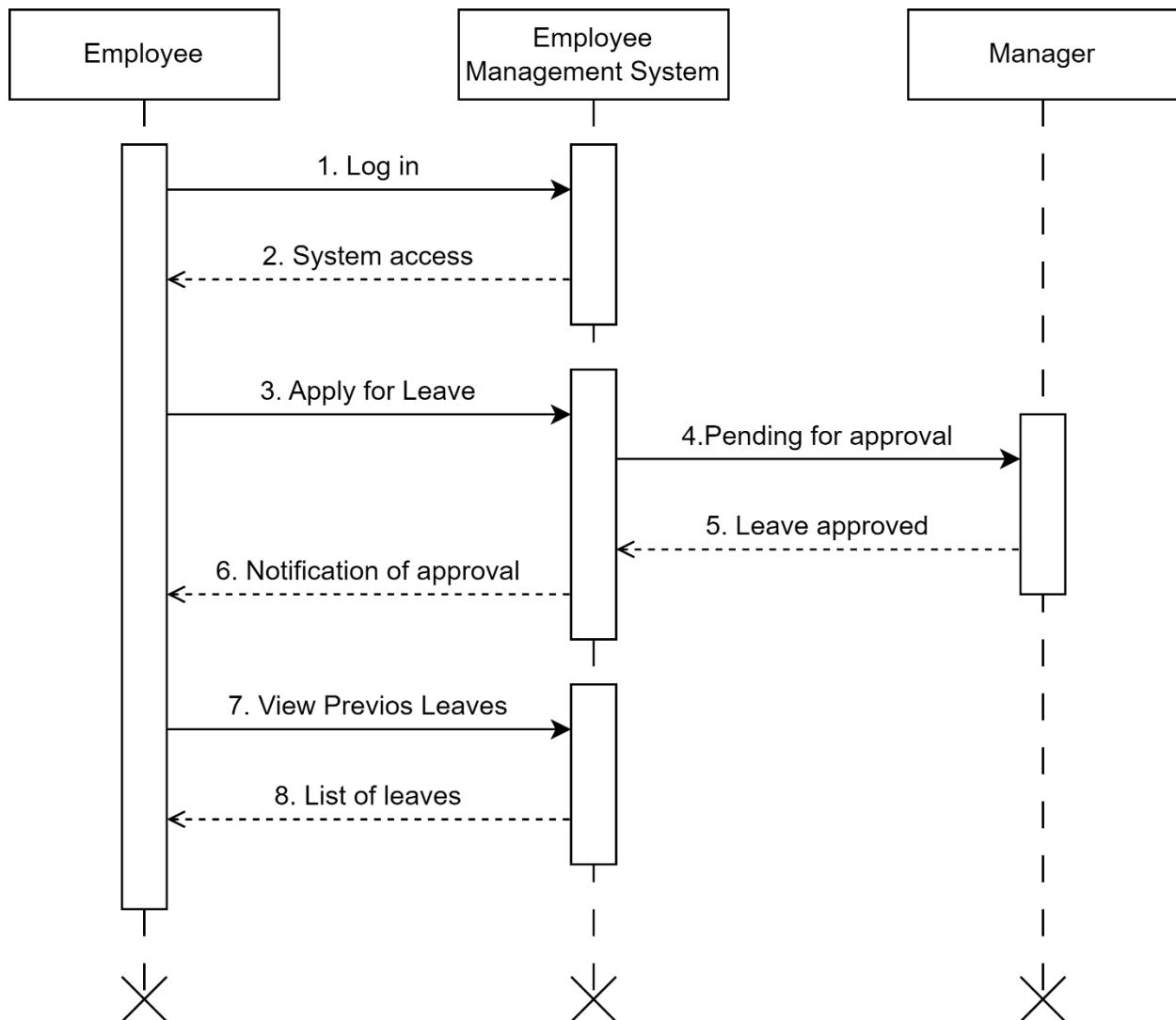


Figure 2.3.2-1 Sequence diagram for Leave Application

2.4 State diagram

2.4.1 State Diagram of Leave Application

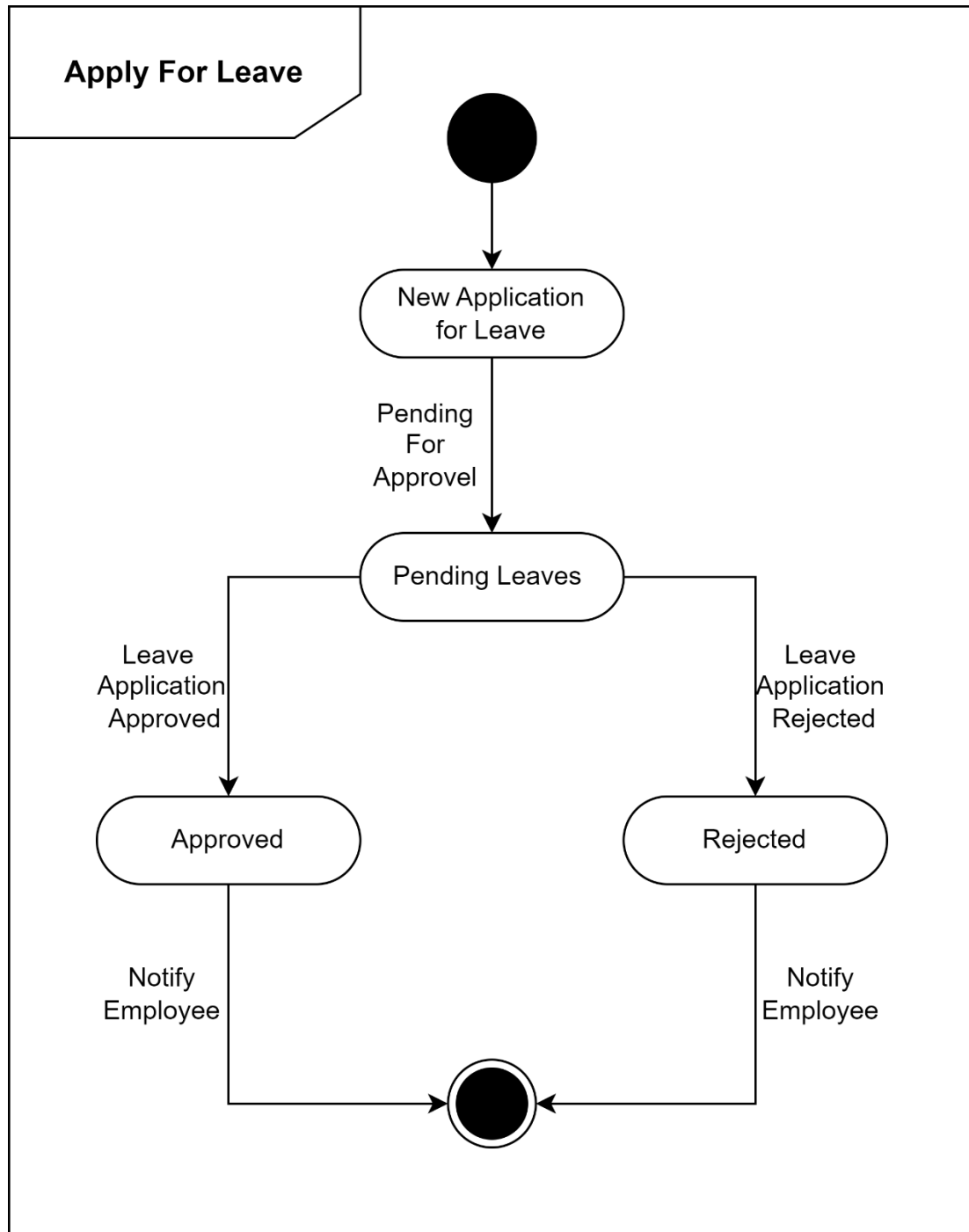


Figure 0.1-1 State diagram of Leave Application

2.4.2 State Diagram of Task

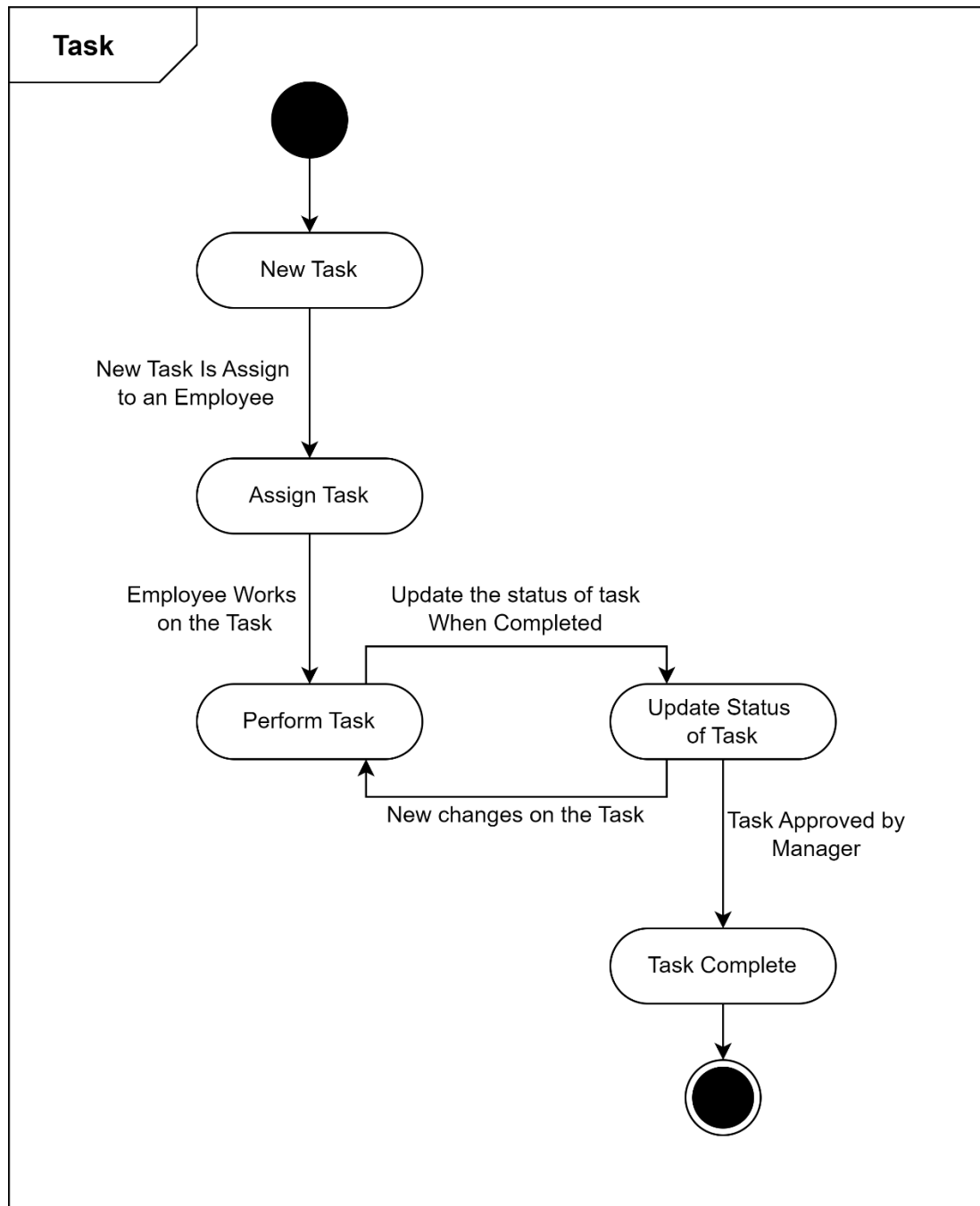


Figure 0.1-1 State diagram for Task

2.5 Class diagram

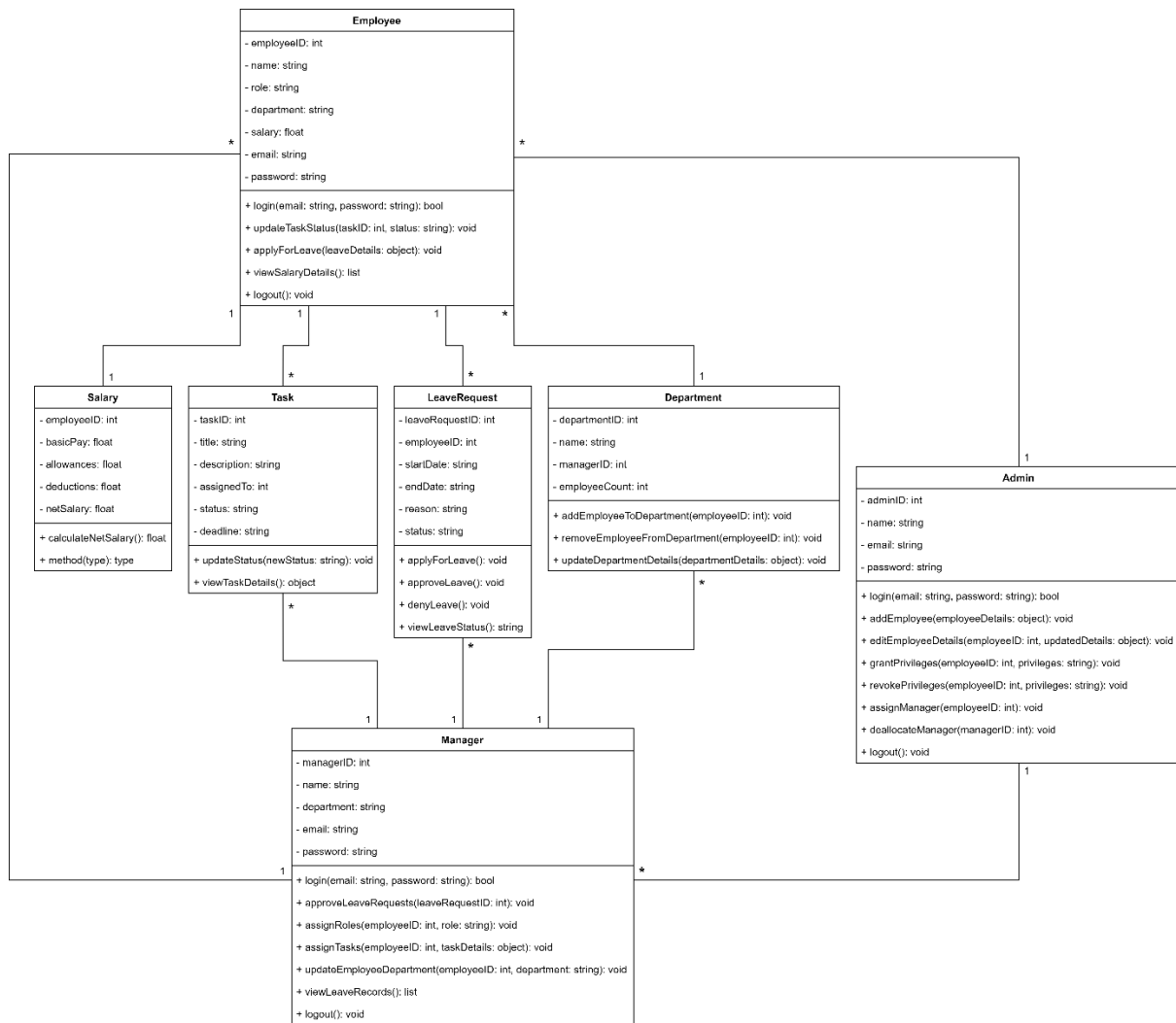


Figure 2.5-1 Class diagram for Employee Management System

2.6 Data flow diagram

2.6.1 Context diagram (level-0)

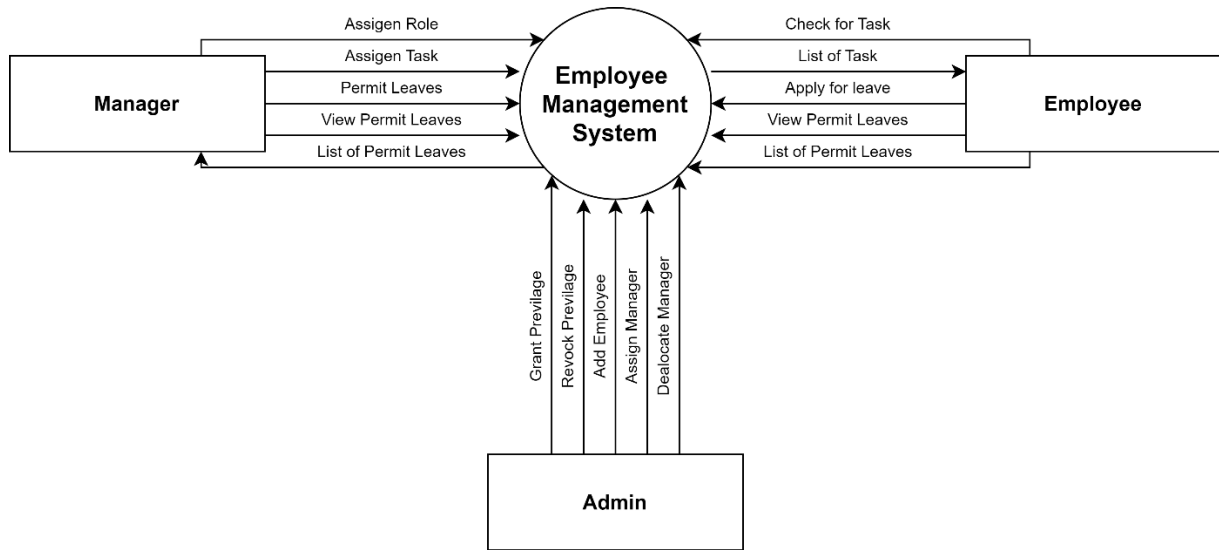


Figure 2.6.1-1 Context diagram for Employee Management System

2.6.2 DFD Level-1

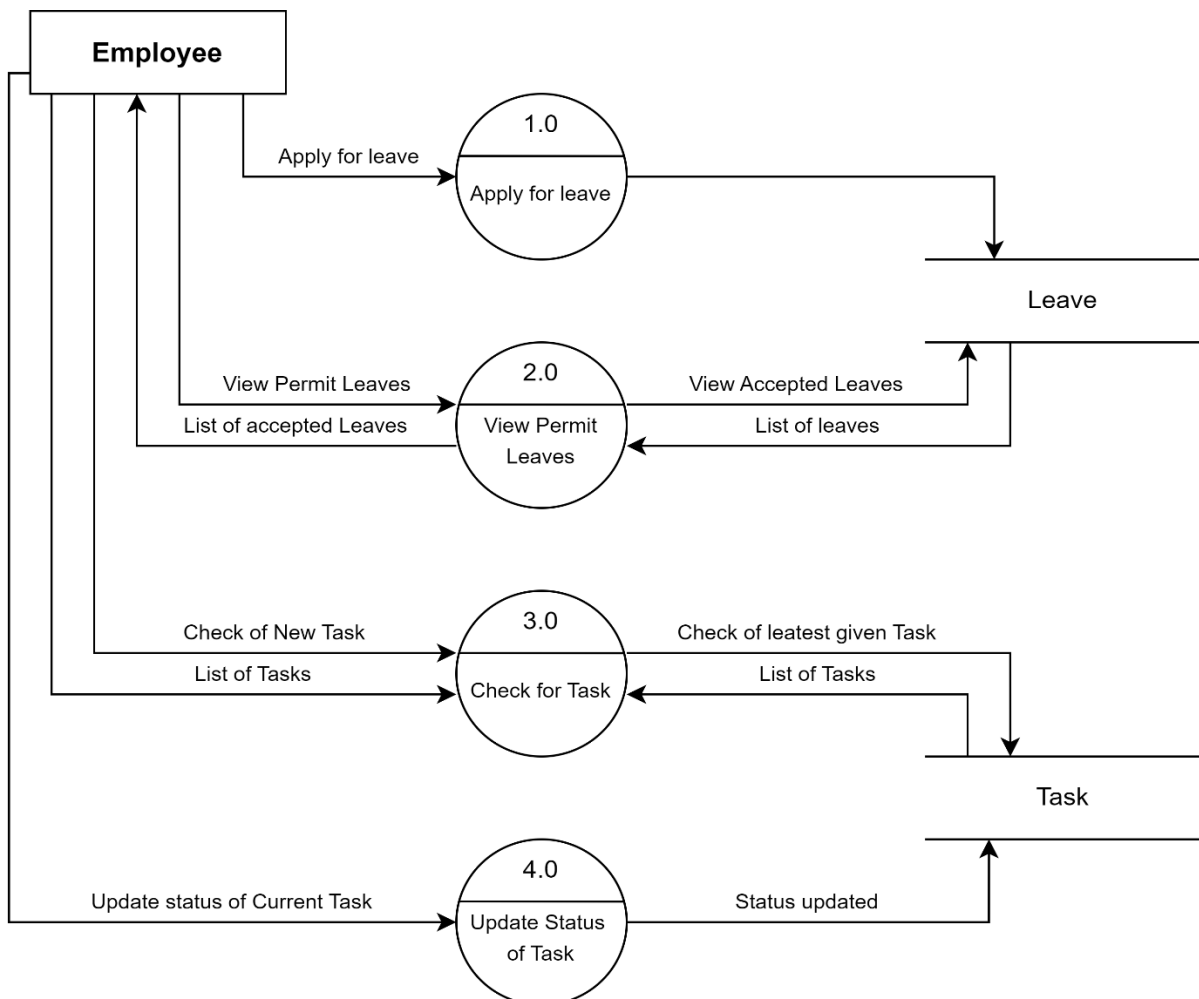


Figure 2.6.2-1 DFD level-1 for Employee Management System

3 External interface requirement (Screens)

3.1 Screen-1: Assigning Task

The screenshot displays the 'Manager Dashboard' interface. It features a form titled 'Assign Tasks to Employees' with the following fields: 'Assign Task' (a dropdown menu showing 'John Doe - Software Engineer'), 'Task Name' (a text input field with placeholder 'Enter task name'), 'Task Description' (a text area with placeholder 'Enter task description'), and 'Task Deadline' (a date input field with placeholder 'dd-mm-yyyy'). Below these fields is an 'Assign Task' button. Underneath the form is a section titled 'Assigned Tasks' which contains a task card for 'Design the User Interface'. The card includes the description 'Design a modern user interface for the admin dashboard, ensuring it's user-friendly and responsive.', the assignment 'Assigned to: John Doe', the deadline 'Deadline: 2025-02-15', and a 'Delete Task' button.

Figure 3.1-1 Screen-1: Assigning Task

Purpose: This screen will allow manager to assign tasks to specified employee through system. To assign task, the following information will be encoded in the system.

Table 3.1-1 Screen element of Assigning Task

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Employee name	Dropdown	M	1	Employee dropdown should be editable change or select Employee.
2	Task name	Textbox	M	1	Task name field should be editable and accept the task name.
3	Task description	Text area	M	1	Task description should be editable and accept the detailed task description.
4	Task deadline	Date	M	1	Task deadline field should be editable and accept the deadline date of the task.
5	Assign task	Button	-----	-----	Assign task is a button for assign task to the specified employee.

3.2 Screen-2: Change Department

The screenshot displays the 'Manager Dashboard' interface. At the top, there is a blue header bar with the text 'Manager Dashboard'. Below this, the main content area is divided into two sections. The first section, titled 'Update Employee Department', contains two dropdown menus: 'Select Employee' (with a placeholder '-- Select Employee --') and 'Select New Department' (with a placeholder '-- Select Department --'). Below these dropdowns is a blue button labeled 'Update Department'. The second section, titled 'Employee Details', lists three employees: John Doe (Current Department: IT, Role: Software Engineer), Jane Smith (Current Department: HR, Role: HR Manager), and Michael Brown (Current Department: Marketing, Role: Marketing Specialist).

Figure 3.2-1 Screen-2: Change Department

Purpose: This screen will be used by the manager to change department of an employee from the system. The manager will select the correct combination of employee name and new department of employee to change their department from the system.

Table 3.2-1 Screen element of Change Department

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Employee name	Dropdown	M	1	Employee dropdown should be editable to change or select Employee.
2	Department name	Dropdown	M	1	Department name should be editable to change or select department.
3	Update department	Button	-----	-----	Update department is a button for changing department of specified employee.

3.3 Screen-3: Get Salary Detail

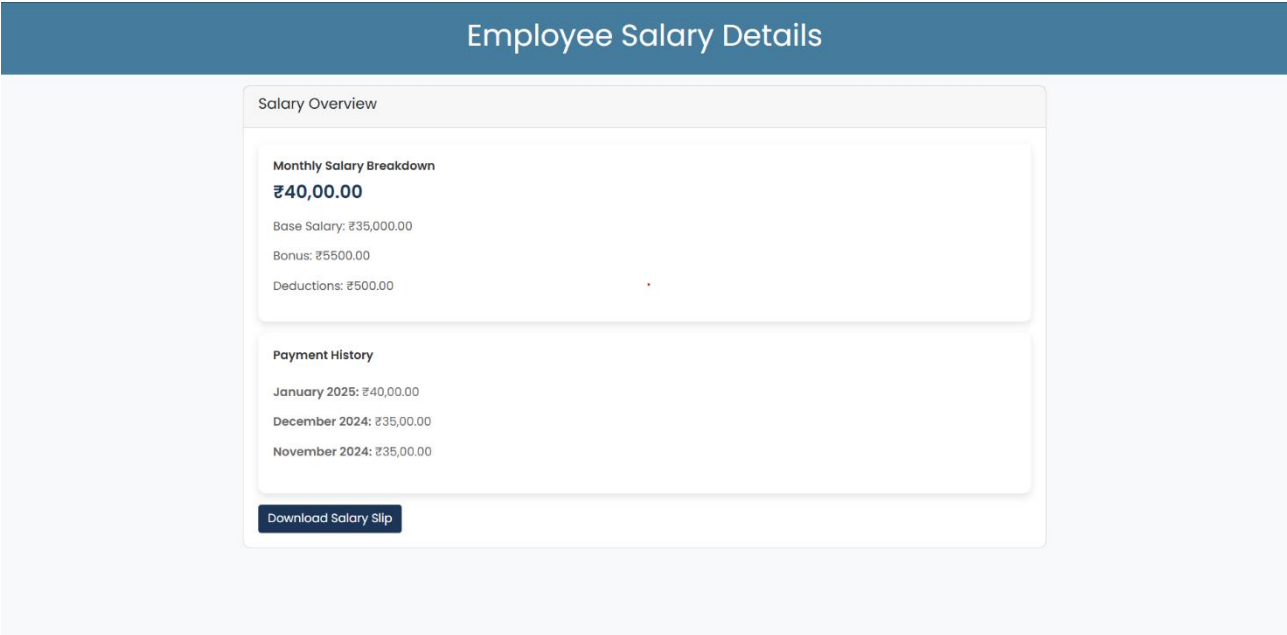


Figure 3.3-1 Screen-3: Get Salary Detail

Purpose: This module will allow the employees to get/download their salary slip.

Table 3.3-1 Screen element of Get Salary Detail

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Download salary slip	Button	-----	-----	Download salary slip is a button to download current months salary slip of an employee.

3.4 Screen-4: Grant Privileges

Figure 3.4-1 Screen-4: Grant Privileges

Purpose: This screen will be used by the admin to grant specific privileges to employees within the system. The admin will select the employee from the list and assign the appropriate privileges, such as access to certain features or roles, ensuring the employee has the necessary permissions for their tasks and responsibilities.

Table 3.4-1 Screen element of Grant Privileges

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Employee name	Dropdown	M	1	Employee dropdown should be editable to change or select Employee.
2	Privileges	Dropdown	M	1	Privileges should be editable to change or select privileges.
3	Grant Privileges	Button	-----	-----	Grant Privileges is a button for assigning specific permissions to the selected employee.

3.5 Screen-5: Revoke Privileges

The screenshot displays the 'Admin Dashboard' with a 'Manage Employee Privileges' section. It includes an 'Employee' dropdown menu, a list of 'Current Privileges', a list of 'Revoke Privileges', and a red 'Revoke Privileges' button.

Figure 3.5-1 Screen-5: Revoke Privileges

Purpose: This screen will be used by the admin to revoke specific privileges from employees in the system. The admin will select the employee and remove the assigned privileges, ensuring the employee's access is appropriately restricted.

Table 3.5-1 Screen element of Revoke Privileges

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Employee name	Dropdown	M	1	Employee dropdown should be editable to change or select Employee.
2	Privileges	Dropdown	M	1	Privileges should be editable to change or select privileges.
3	Revoke Privileges	Button	-----	-----	Revoke Privileges is a button for removing specific permissions from the selected employee.

4 Database design

4.1 List of Tables

- Admin
- Manager
- Employee
- Salary
- Task
- Leave
- Department

Table 4.1-1 Table: Admin

Column	Data Type	Null	Keys & Constrains	Default Value & Description
AdminID	int	NN	PK (Auto Increment)	
AdminName	varchar(100)	NN		
AdminEmail	varchar(100)	AN		
AdminPassword	varchar(100)	AN		

Table 4.1-2 Table: Manager

Column	Data Type	Null	Keys & Constrains	Default Value & Description
ManagerID	int	NN	PK (Auto Increment)	
ManagerName	varchar(100)	NN		
ManagerEmail	varchar(100)	AN		
ManagerPassword	varchar(100)	AN		
EmployeeId	int	NN	FK	Reference of Employee from Employee Table.

Table 4.1-3 Table: Employee

Column	Data Type	Null	Keys & Constrains	Default Value & Description
EmployeeId	int	NN	PK (Auto Increment)	
EmployeeName	varchar(100)	AN		
EmployeeEmail	Boolean	AN		
EmployeePassword	varchar(100)	AN		
ManagerId	int	AN	FK	Reference of Manager from Manager Table.
DepartmentId	int	NN	FK	Reference of Department from Department Table.

SRS – Employee Management System

Table 4.1-4 Table: Salary

Column	Data Type	Null	Keys & Constrains	Default Value & Description
SalaryID	int	NN	PK (Auto Increment)	
NetSalary	Int	AN		
BasicPay	int	AN		
Allowances	int	AN		
Deduction	int	AN		
EmployeeId	int	NN	FK	Reference of Employee from Employee Table.

Table 4.1-5 Table: Task

Column	Data Type	Null	Keys & Constrains	Default Value & Description
TaskId	int	NN	PK (Auto Increment)	
TaskTitle	varchar(100)	AN		
TaskDescription	Boolean	AN		
TaskDeadline	varchar(100)	AN		
Status	Boolean	AN		
ManagerId	int	NN	FK	Reference of Manger from Manager Table.
EmployeeId	int	NN	FK	Reference of Employee from Employee Table.

Table 4.1-6 Table: Leave

Column	Data Type	Null	Keys & Constrains	Default Value & Description
RequestId	int	NN	PK (Auto Increment)	
RequestReason	varchar(100)	AN		
StartDate	DateTime	AN		
EndDate	DateTime	AN		
Status	Boolean	AN		
ManagerId	int	AN	FK	Reference of Manager from Manager Table.
EmployeeId	int	NN	FK	Reference of Employee from Employee Table.

Table 4.1-7 Table: Department

Column	Data Type	Null	Keys & Constrains	Default Value & Description
DepartmentId	int	NN	PK (Auto Increment)	
DepartmentName	varchar(100)	NN		
EmployeeCount	int	AN		

5 Stories and Scenario

5.1 Story-1: Add New Employee in Employee catalogue.

Story # S1	: As a Admin, I want to add a new Employees in Employee catalogue So that manager can keep track of all employee details and manage them effectively.
Priority	: High
Estimate	: XL
Reason	: The addition of a new Employee to the Employee catalogue is crucial for ensuring that the Employee's collection is up-to-date and accessible to manager.

5.1.1 Scenario# S1.1

Scenario# S1.1	: Adding a New Employee with Valid Information
Prerequisite	: Admin is logged in to the Employee Management System.
Acceptance Criteria	<p>Given: The Admin is navigated to the employee catalogue management page. Valid employee information, including name, email, department, and other relevant details is added.</p> <p>When: The Admin selects the "Add New Employee" option and The Admin enters valid book details. The Admin clicks the "Add" button to add the employee to the catalogue.</p> <p>Then: The system successfully adds the employee to the catalogue and the Admin receives a confirmation message with the employee's identification number.</p>

5.1.2 Scenario# S1.2

Scenario# S1.2	: Adding a New Employee with Invalid Information
Prerequisite	: The Admin is logged in to the Employee Management System.
Acceptance Criteria	<p>Given: The Admin is navigated to the employee catalogue management page. Invalid employee information, including name, email, department, and other relevant details is added.</p> <p>When: The Admin selects the "Add New Employee" option and the Admin enters an incomplete or incorrect employee details and Admin clicks the "Add" button to add the employee to the catalogue.</p> <p>Then: The system displays error messages for the incorrect or missing information and the employee is not added to the catalogue.</p>

5.2 Story-2: Change Department

Story # S2	:	As a Manager, I want to change the department of an employee, So that I can ensure their role and responsibilities align with the right team and department.
Priority	:	High
Estimate	:	M
Reason	:	Implementing a change department functionality is essential for enhancing the employee experience, as it allows employees to ensure their role and responsibility align with the right team.

5.2.1 Scenario# S2.1

Scenario# S2.1	:	Changing employee department with valid or existing department
Prerequisite	:	Manager is logged in to the Employee Management System.
Acceptance Criteria	:	<p>Given: The Manager is navigated to the employee catalogue management page. Valid employee and department are selected.</p> <p>When: The Manager selects the "Change Department" option and The Manager enters valid details. The Admin clicks the "Change" button to change the employee department from the catalogue.</p> <p>Then: The system successfully changes the employee department from the catalogue and the Manager receives a confirmation.</p>

5.2.2 Scenario# S2.2

Scenario# S2.2	:	Changing employee department with Invalid or non-existing department
Prerequisite	:	The Admin is logged in to the Employee Management System.
Acceptance Criteria	:	<p>Given: The Manager is navigated to the employee catalogue management page. Invalid employee and department are selected.</p> <p>When: The Manager selects the "Change Department" option and The Manager enters invalid details. The Manager clicks the "Change" button to change the employee department from the catalogue.</p> <p>Then: The system displays error messages for the incorrect information and the employee department is not changed from the catalogue.</p>

5.3 Story-3: Request for Leave

Story # S3	: As Employee, I want to send request for my leave So that I can take time off when needed and ensure my absence is properly recorded.
Priority	: High
Estimate	: M
Reason	: Allowing employees to request leave is important for managing time off effectively, ensuring their absence is properly recorded and approved.

5.3.1 Scenario# S3.1

Scenario# S3.1	: Valid leave request
Prerequisite	: Employee is logged in to the Employee Management System.
Acceptance Criteria	<p>Given: The Employee is navigated to the leave catalogue management page. Valid information is provided.</p> <p>When: The Employee selects the "Leave Request" option and The Employee enters valid details like reason, description, start date, end date. The Employee clicks the "Submit" button to submit the leave request.</p> <p>Then: The system confirms the leave request has been successfully submitted. The employee receives a notification that the leave request has been sent for approval.</p>

5.3.2 Scenario# S3.2

Scenario# S3.2	: Invalid Leave Request
Prerequisite	: Employee is logged in to the Employee Management System.
Acceptance Criteria	<p>Given: The Employee is navigated to the leave catalogue management page. Invalid information is provided.</p> <p>When: The Employee selects the "Leave Request" option and The Employee enters invalid details. The Employee clicks the "Submit" button to submit the leave request.</p> <p>Then: The system displays an error message detailing the issue. The leave request is not submitted.</p>

6 Test cases

Project Name:	Employee Management System	Test Designed by:	Gaurav R. Ida
Module Name:	Assigning Task	Test Designed date:	21-02-2025
Release Version:	1.0	Test Executed by:	R. B. Gondaliya
		Test Execution date:	15-01-2023

Test Case ID	Test Title	Test Type	Description
TC_001	Adding task for valid employee	Functional	Assign task to valid employee from Employee Management System
TC_002	Adding task for invalid employee	Functional	Assign task to invalid employee from Employee Management System

Test Case Title	Adding task for valid employee
Test Type	Functional
Test Priority	Medium
Pre-condition	Manager should be login

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	BUG ID
1	Access Web application URL	The site launched properly	Site launched successfully	Pass		https://accounts.google.com/ServiceLogin	
2	Manager login with valid information	Manager should be logged in	Manager logged in successfully	Pass		Username: Rbgondaliya@gmail.com	
3	Enter valid task field	Task field should be editable and accept the details	Task inputs accepted	pass		Tasktitle:change UI TaskDescription: detailed task description TaskDeadline: 04/04/2025	
4	Selecting valid Employee	Display selected employee	Employee accepted	Pass			
5	Click on Assign Task button	New take should be assigned to employee	New task added to the employee	pass			

SRS – Employee Management System

Test Case Title	Adding task for invalid employee
Test Type	Functional
Test Priority	Medium
Pre-condition	Manager should be login

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	BUG ID
1	Access Web application URL	The site launched properly	Site launched successfully	Pass		https://accounts.google.com/ServiceLogin	
2	Manager login with valid information	Manager should be logged in	Manager logged in successfully	Pass		Username: Rbgondaliya@gmail.com	
3	Enter invalid task field	Task field should be editable and reject the details	Task inputs rejected	pass		Tasktitle:change null TaskDescription: 04/04/2025 TaskDeadline: 04/04/2023	
4	Selecting invalid Employee	Display error employee not found	Show error	Pass			
5	Click on Assign Task button	New take should be rejected	Error displayed	pass			

SRS – Employee Management System

Project Name:	Employee Management System	Test Designed by:	Gaurav R. Ida
Module Name:	Update Department	Test Designed date:	21-02-2025
Release Version:	1.0	Test Executed by:	R. B. Gondaliya
		Test Execution date:	15-01-2023

Test Case ID	Test Title	Test Type	Description
TC_001	Update valid department of employee	Functional	Updating valid department of employee from Employee Management System
TC_002	Update invalid department of employee	Functional	Updating invalid department of employee from Employee Management System

Test Case Title	Update valid department of employee
Test Type	Function
Test Priority	Medium
Pre-condition	Manager should be login

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	BUG ID
1	Access Web application URL	The site launched properly	Site launched successfully	Pass		https://accounts.google.com/ServiceLogin	
2	Manager login with valid information	Manager should be logged in	Manager logged in successfully	Pass		Username: Rbgondaliya@gmail.com	
3	Selecting valid Employee and department	Display selected employee and department	Employee and department is selected	pass			
4	Click on Update Department button	Employee's department should be updated	Employee's department updated	Pass			

SRS – Employee Management System

Test Case Title	Update invalid department of employee
Test Type	Function
Test Priority	Medium
Pre-condition	Manager should be login

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	BUG ID
1	Access Web application URL	The site launched properly	Site launched successfully	Pass		https://accounts.google.com/ServiceLogin	
2	Manager login with valid information	Manager should be logged in	Manager logged in successfully	Pass		Username: Rbgondaliya@gmail.com	
3	Selecting invalid Employee and department	Display error employee or department not found	Show error	pass			
4	Click on Update Department button	Employee's department should be updated	Error displayed	Pass			

7 References

- http://www.w3schools.com/html/html_intro.asp
- <https://www.w3schools.com/php/default.asp>
- <https://www.javatpoint.com/uml>