

# PROJECT REPORT

*EMPLOYEE MANAGEMENT SYSTEM*



## MODULE OOP DESIGN

**Team 13**

**Team Members:**

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# Introduction

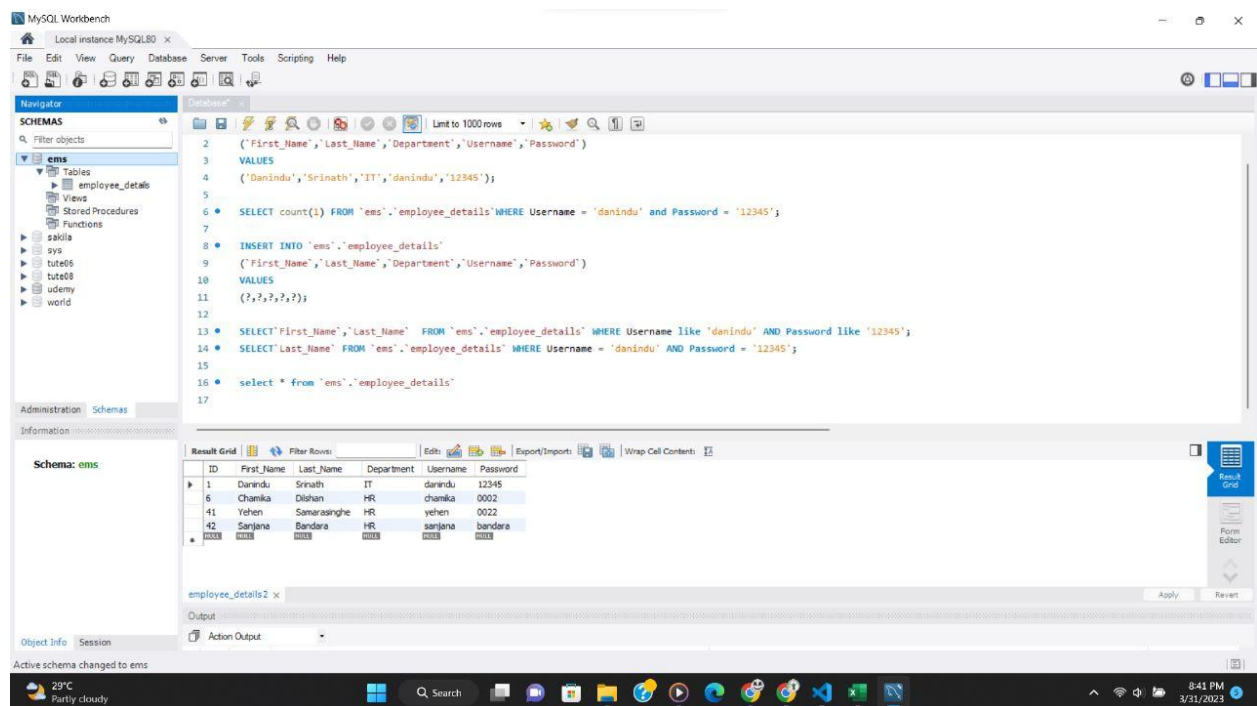
- This is the Group 13 Java FX Project Report for the Infoschol Batch's September 22–23 intake.
- We have designed an effective solution to overcome the issues that arise regarding employee management.
- In this solution, we have included 5 User Interfaces to handle the Employee Management System.
- Listed below are the User Interfaces that we have done for our solution
  - Login Window
  - Sign Up Window
  - Profile Window
  - Employee Attendance Window
  - Leave Request Window

# Problems

1. Inaccurate/ Incomplete employee information.
2. Employees encounter challenges when requesting leaves
3. Unable to maintain clear records on leave information
4. Unreliable daily Roster
5. Incomplete/ Inaccurate employee attendance details

# Solution

The employee information system is easy to use application that is created to manage employee data. It is created to record the details of the employees. This reduces the dependency on the manual system which could create errors. This system can easily help in tracking employee records. There is a profile feature that allows showing details of a specific employee. While he/she can easily request leaves through the Leave Request Window they can also record their attendance effortlessly.



# Project Plan

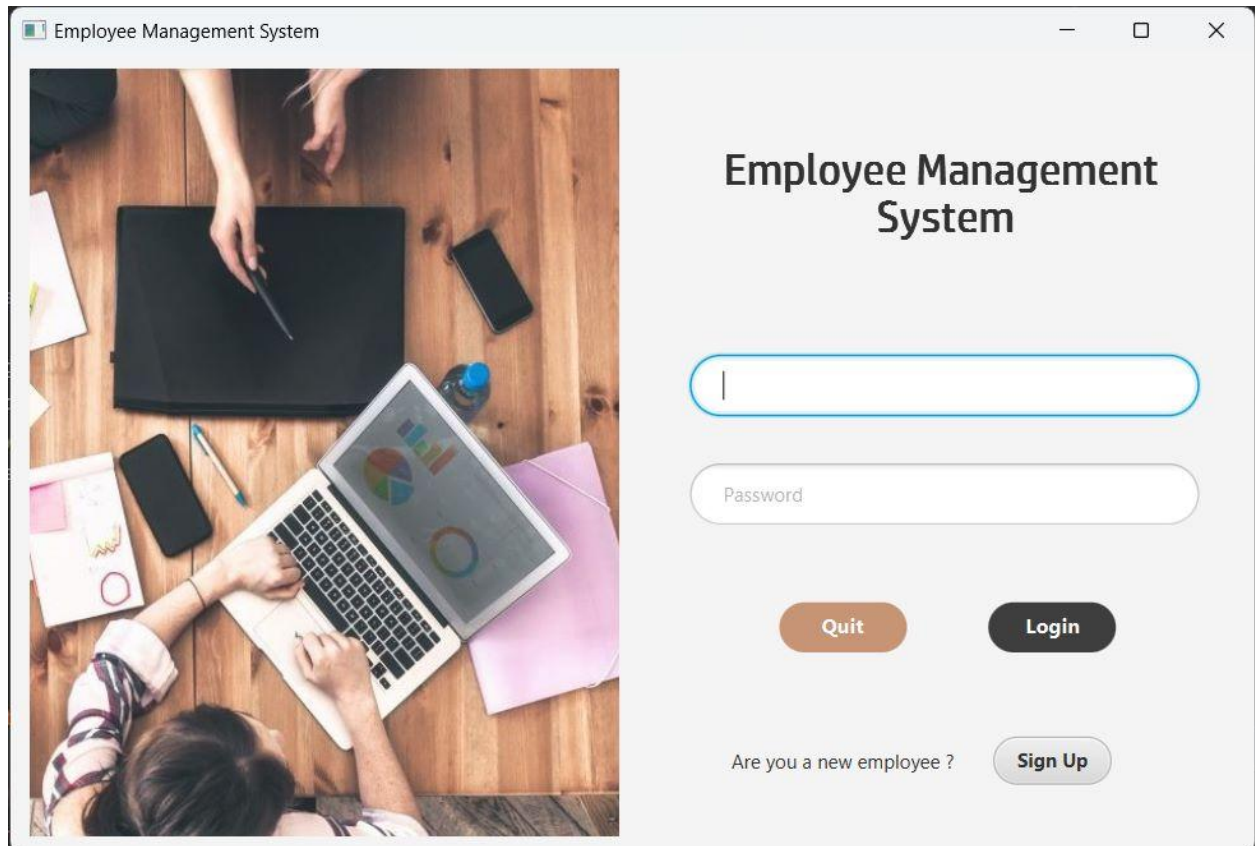
WBS NO	TASK	ASSIGNED TO	1 3 / 1 0																0 3 / 3 1
1.	Discussing Ideas and Choosing a Topic	All																	
2.	Creating a Project Plan	All																	
3.	Assigning Tasks to every member	Pawani																	
4.	Sketching the User Interfaces	Lakvindu and Danidu																	
5.	Designing the GUIs	Danidu																	
6.	Testing the Application	Danidu																	
7.	Preparing the Report	Yadeesha and Pawani																	

# Risk Assessment

NO.	Risk	Incharge	Probability of the risk occurring	Impact of the risk	Solution
01.	Lack of knowledge	All members	High	High	Actively, and attend the lectures regularly.
02.	Low Productivity	All Members	Medium	High	Designing and working according to a schedule.
03.	Inability to meet with team members physically	All Members	High	Low	Arranging virtual meetings through Zoom or Google Meet
04.	Scope Creep	All Members	High	High	Dividing the project into manageable segments and assigning them to group members.
05.	Lack of ownership	All Members	Medium	High	Giving a specific responsibility to each member of the group.

# Instruction Manual

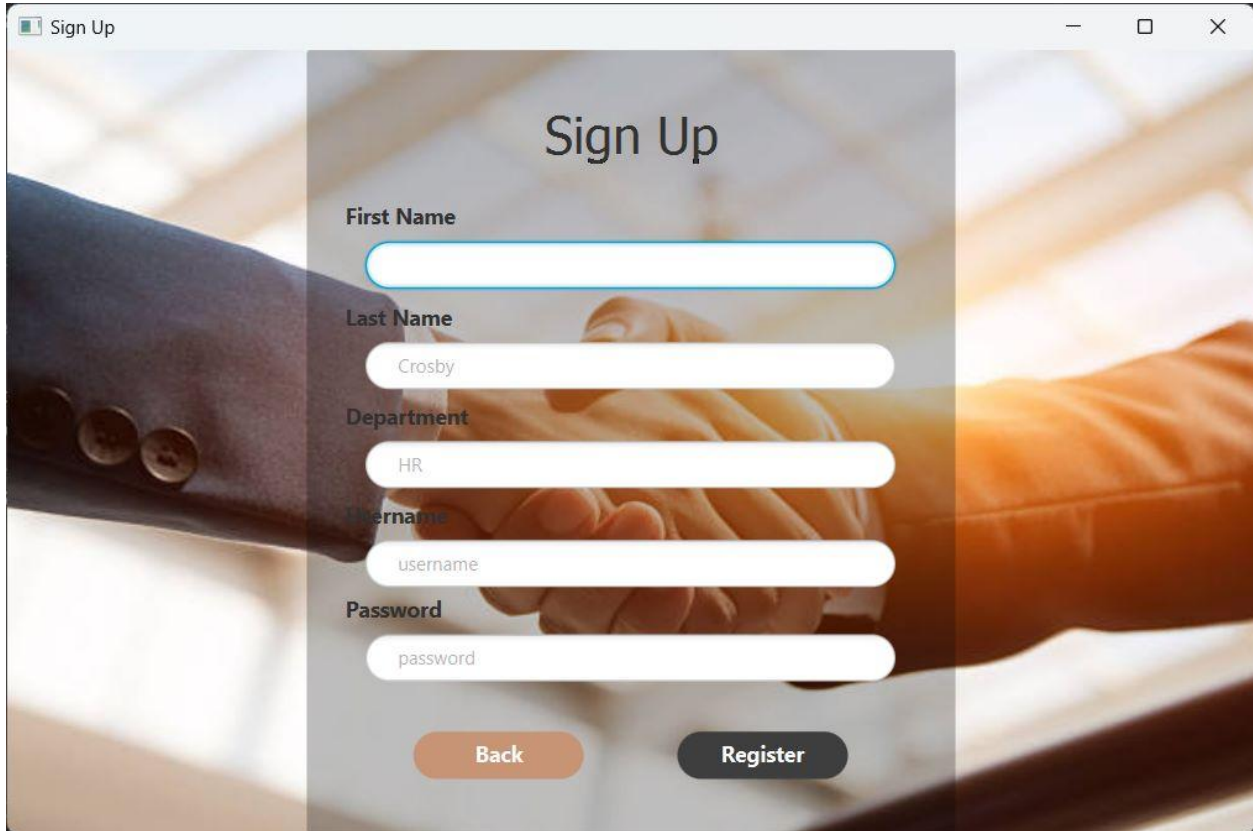
1. Launch the program's home page. The below login window will pop-up in your screen.



2. You need to enter proper user credentials (Username and password) and click the "Login" button.



3. If you are a new user you can click the “Sign up” button and see the following user interface on your screen.



Sign Up

First Name

Last Name

Department

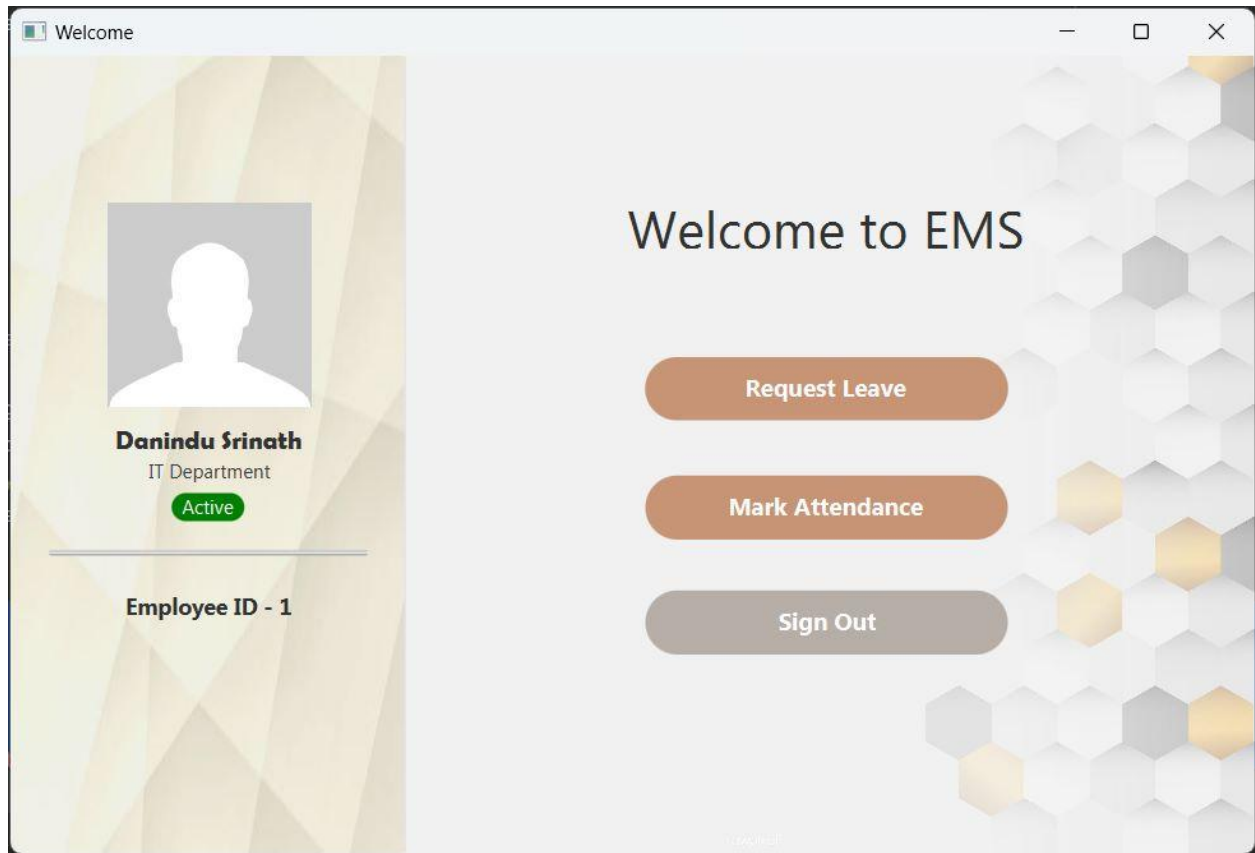
Username

Password

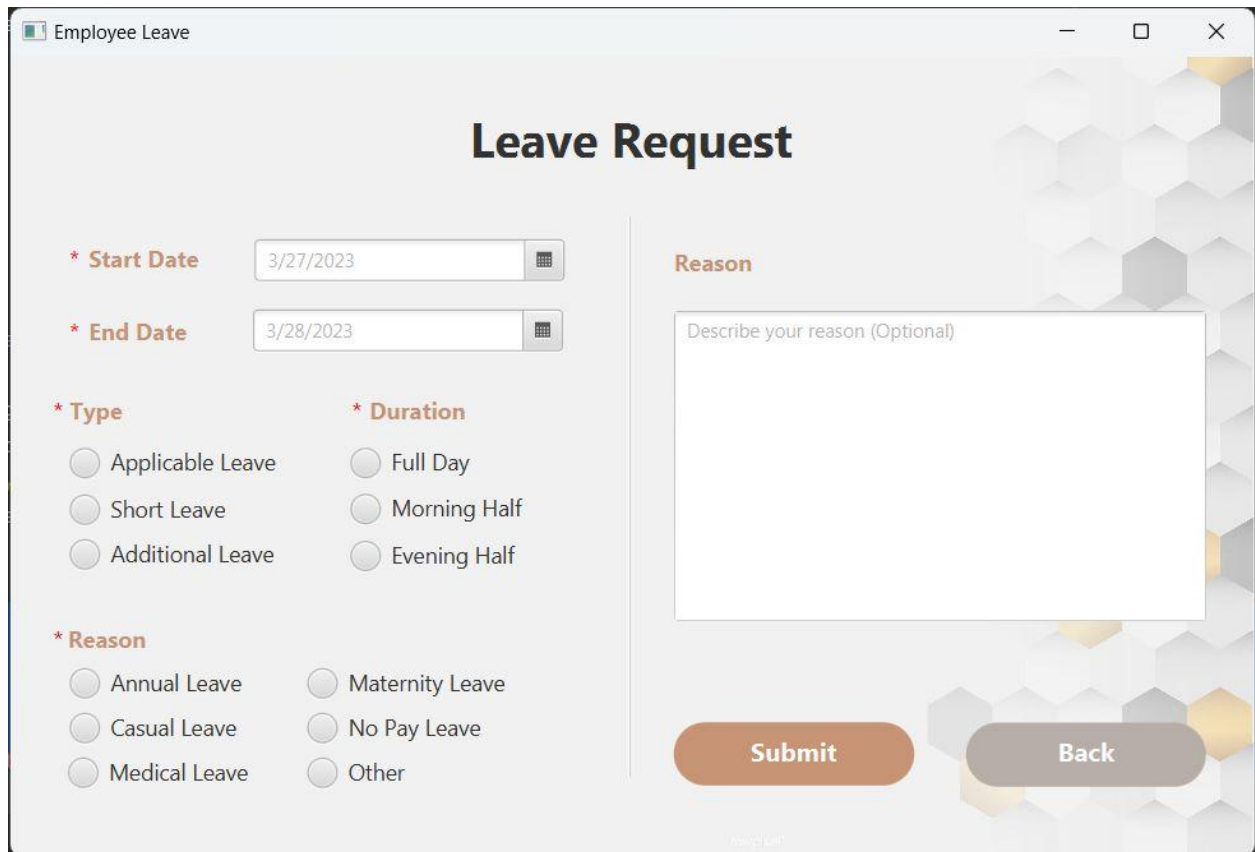
Back Register

4. Fill in the required fields and then click the “Register” button.

5. When you successfully log in to the system you will be directed to the Profile window.



6. After if you would like to request a leave of absence, you can select the “Request Leave” button. Then you will be taken to the “Leave Request Window”.



The image shows a web application window titled "Employee Leave". The main heading is "Leave Request". The form is divided into two main sections. The left section contains fields for "Start Date" (3/27/2023) and "End Date" (3/28/2023), both with calendar icons. Below these are two columns of radio button options: "Type" (Applicable Leave, Short Leave, Additional Leave) and "Duration" (Full Day, Morning Half, Evening Half). At the bottom left is a "Reason" section with radio button options: Annual Leave, Casual Leave, Medical Leave, Maternity Leave, No Pay Leave, and Other. The right section is titled "Reason" and contains a large text area with the placeholder "Describe your reason (Optional)". At the bottom right are two buttons: "Submit" (orange) and "Back" (grey). The window has a standard title bar with minimize, maximize, and close buttons.

Employee Leave

## Leave Request

\* **Start Date** 3/27/2023

\* **End Date** 3/28/2023

\* **Type**

- ☐ Applicable Leave
- ☐ Short Leave
- ☐ Additional Leave

\* **Duration**

- ☐ Full Day
- ☐ Morning Half
- ☐ Evening Half

\* **Reason**

- ☐ Annual Leave
- ☐ Casual Leave
- ☐ Medical Leave
- ☐ Maternity Leave
- ☐ No Pay Leave
- ☐ Other

**Reason**

Describe your reason (Optional)

**Submit** **Back**

7. Fill in the required details and then hit "Submit".

8. If you need to mark your attendance then click "Mark Attendance" from the profile window. Then you will be directed to the Employee Attendance window. Which is depicted below.

Employee Attendance

## Attendance

**Date**

**Employee ID**

**Employee Name**

**Time In**   ☐ AM ☐ PM

**Time Out**   ☐ AM ☐ PM

9. Fill in the required information and click “Submit”.

# Future Enhancement

- The program may be converted into a mobile application, making it convenient for both employees and management to utilize.
- Enhance the usability of the application.

# Team Members

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**THANK YOU!**