Assignment Report

Only for course Teacher						
		Needs Improvement	Developing	Sufficient	Above Average	Total Mark
Allocate mark & Percentage		**25%**	**50%**	**75%**	**100%**	**5**
Clarity	1					
Content Quality	2					
Spelling & Grammar	1					
Organization and Formatting	1					
					Total obtained mark	
Comments						

Semester: Spring 2024

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Batch: 39th   **Section:** A

Course Code: SE-221   **Course Name:** Object Oriented Design

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Submission Date: 25/05/24

(1) Project Proposal

Project Proposal: Employee Management System

1. Introduction:
Employee Management System (EMS) is a comprehensive software solution designed to streamline and automate various human resource management tasks within an organization. This project aims to develop an EMS to facilitate efficient management of employee data, including personal details, salary information, and job-related data.

2. Project Overview:
The EMS will provide a user-friendly interface for administrators to perform essential tasks such as adding, viewing, updating, and removing employee records. It will also include authentication features to ensure secure access to the system. The system will be developed using Java programming language with a MySQL database backend.

3. Features:
- **Login System:** Secure login functionality for administrators to access the system.
- **Employee Addition:** Allow administrators to add new employees to the system with relevant details.
- **Employee Viewing:** Enable administrators to view employee records with search and print functionalities.
- **Employee Updating:** Provide options to update employee details such as contact information, salary, and job designation.
- **Employee Removal:** Allow administrators to remove employee records from the system.
- **Splash Screen:** An introductory splash screen for an appealing user experience.
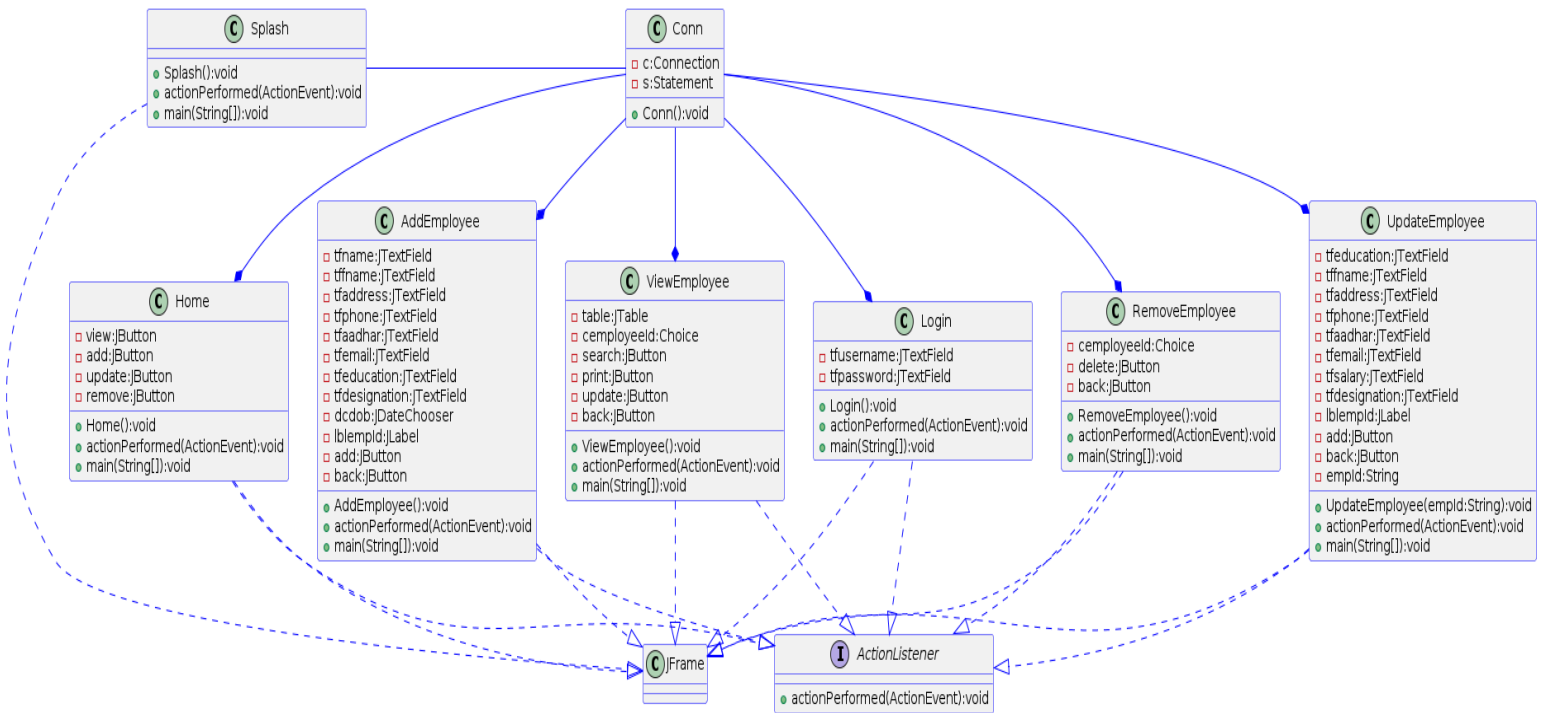
4. Implementation:
- The project will be implemented using the following technologies:
- Java Programming Language: For developing the frontend GUI and backend logic.
- MySQL Database: For storing and managing employee data.
- Swing Framework: For building the graphical user interface.
- Java Database Connectivity: For connecting Java applications with the MySQL database.
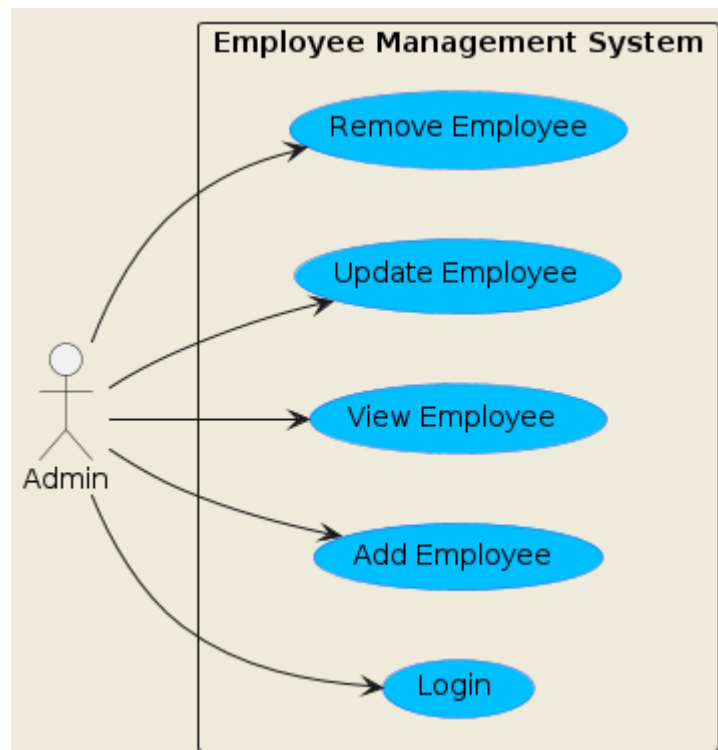
5. Conclusion:
The Employee Management System aims to improve organizational efficiency by providing a centralized platform for managing employee data effectively. With its user-friendly interface and comprehensive features, the EMS will be a valuable asset for any organization seeking to streamline its human resource management processes.
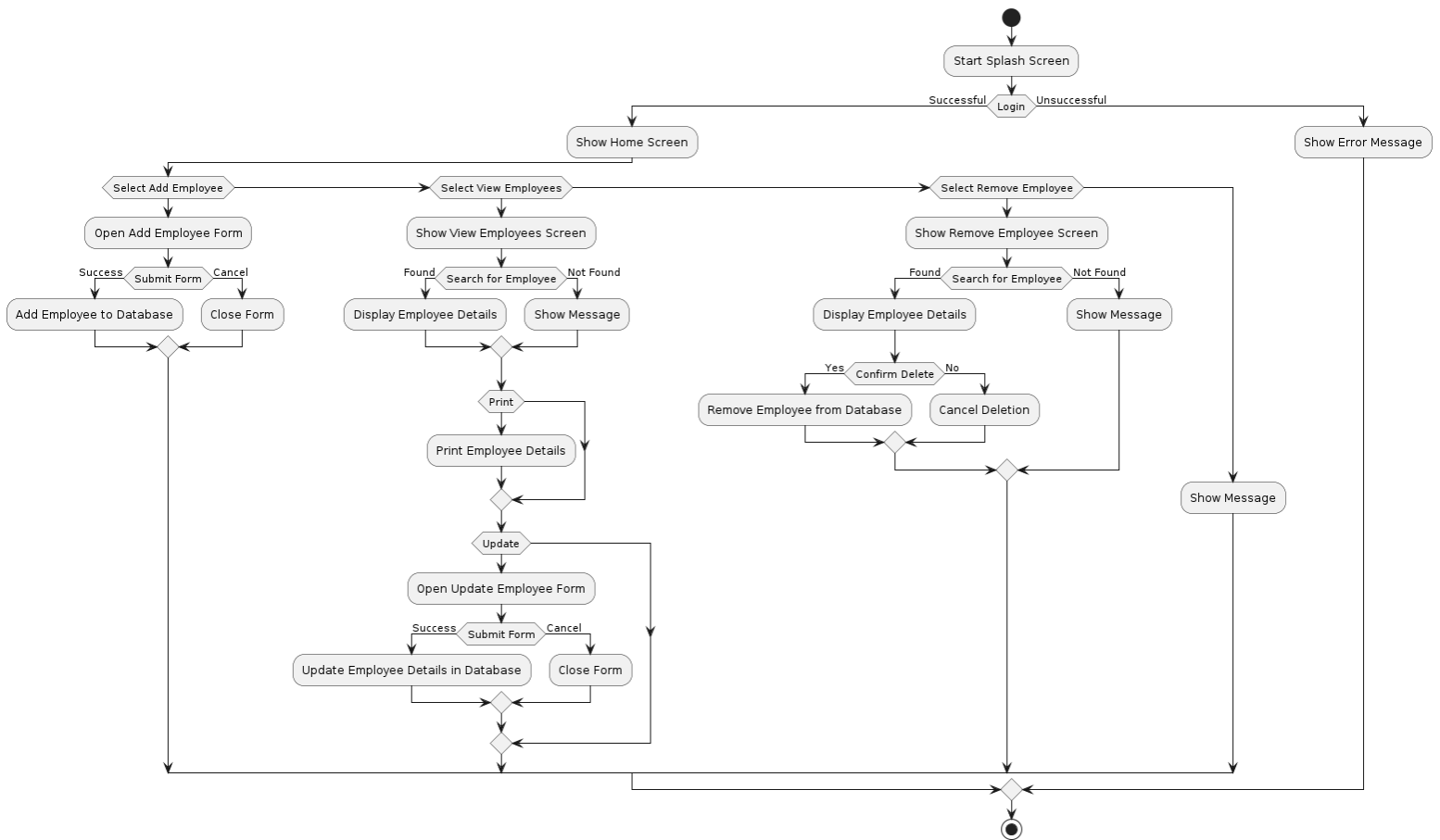
(2) Diagrams

1. Class Diagram:

2. Use Case Diagram:

3. Activity Diagram:

(3) Project & Presentation Link

Github Project Code Link: https://github.com/ahanaf-mohosen57/JAVA-Swing-Project.git

Google Drive Video Presentation Link:
https://drive.google.com/drive/folders/1fUbdAHHDxnCgZajm4e04lvpgaRjicCJ-?usp=sharing