



# **STUDENT MANAGEMENT SYSTEM**

**FINAL PROJECT**

**TEAM-4**

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**PRESENTED BY:**

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# OBJECTIVES

- The Student Management System is a Web-application that seeks to provide a user-friendly and easy-to-understand GUI for managing student details.



# INTRODUCTION

- Student Management System addresses the common problems associated with managing student details in academic institutions.
- This system does not require any formal knowledge on the part of the user.

# **Student Management System**

# PROJECT PLAN

HCL Technologies Lanka

Team Lead - Paveisha Shanthapriya

Project Start:

Thu, 8/18/2022

# TECHNOLOGIES USED

- Front-End

HTML

CSS

Angular 14.1.0

Bootstrap 5.2.1

- Back-End

Spring Boot 2.7.2

Java 1.8

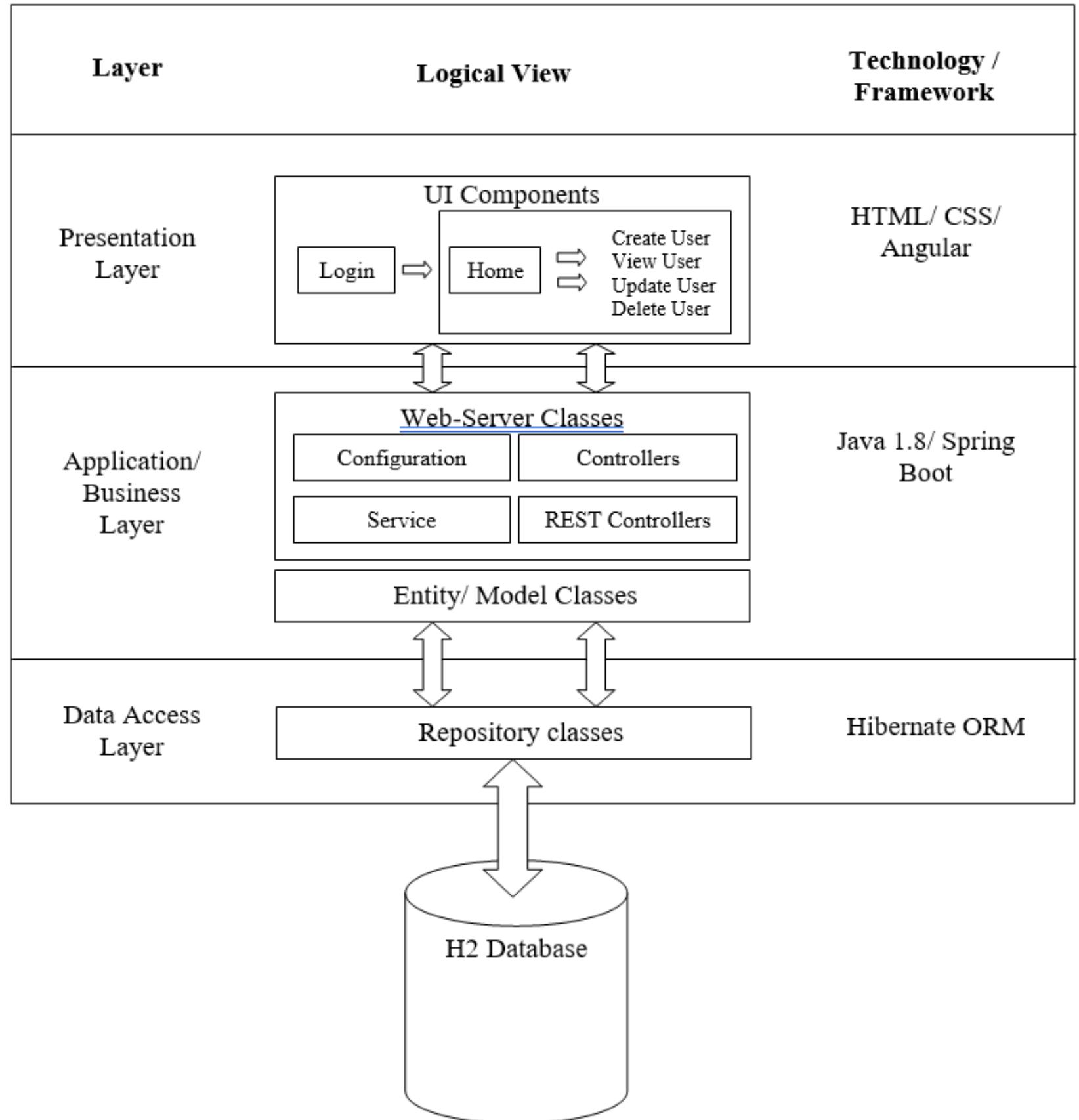
- Database

H2 Database

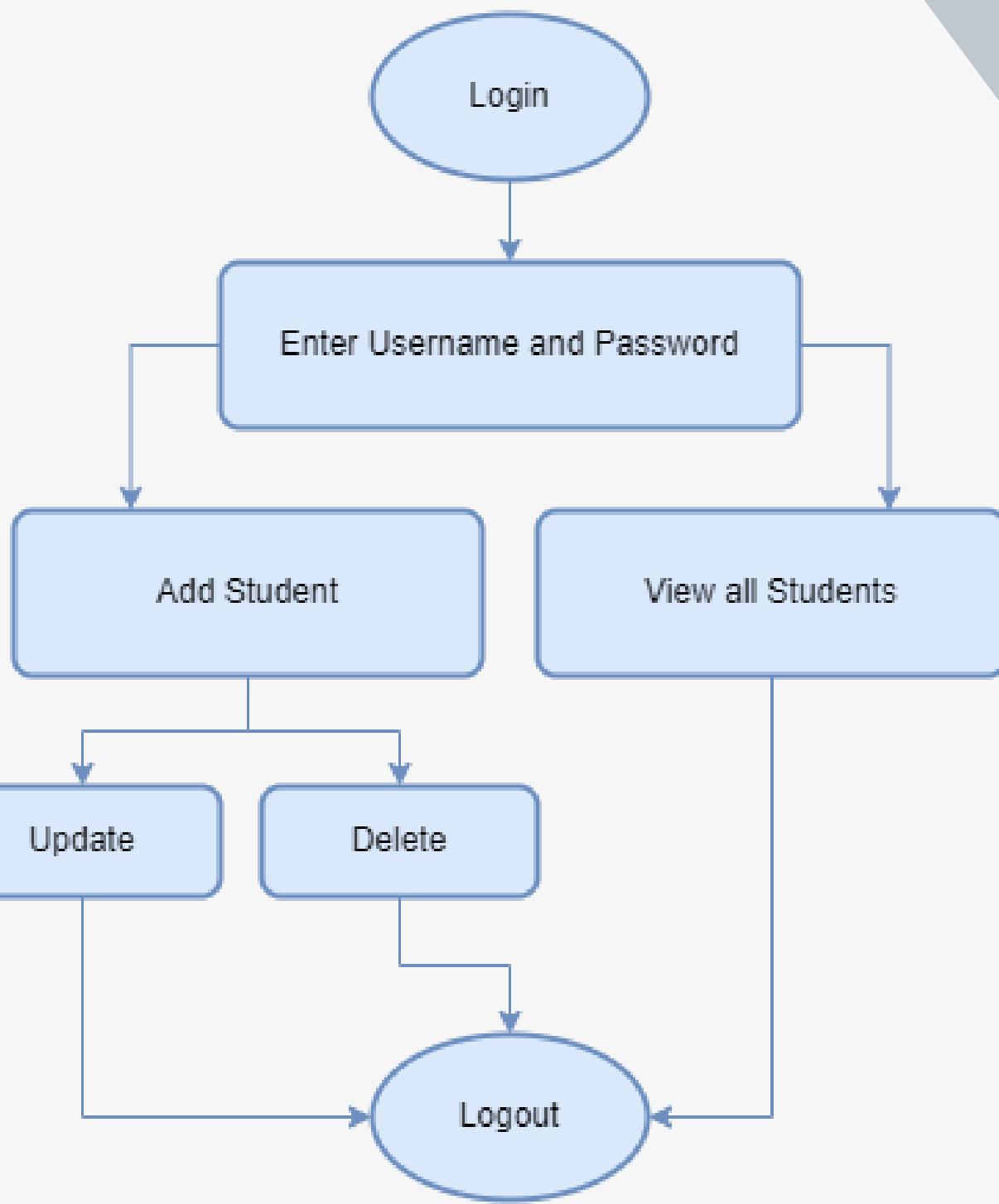
- Server

Tomcat 9.0

# ARCHITECTURE OF THE APPLICATION



# FLOWCHART



- Admin has full control over the system

# LOGIN PAGE

A screenshot of a web browser window titled "StudentManagementAngular". The address bar shows "localhost:4200/login". The page itself is a login form with a dark blue background. It features a central vertical card with rounded corners. At the top of the card is a user icon holding a key. Below the icon are two input fields: one for "Username" containing "admin" and one for "Password" containing ".....". At the bottom of the card is a blue "Login" button.

StudentManagementAngular

localhost:4200/login

Guest

Username

admin

Password

.....

Login

# ADD STUDENT

The screenshot shows a web browser window titled "StudentManagementAngular" with the URL "localhost:4200/home". The page has a dark blue header with the text "Student Management System". On the right side of the header is a "Log Out" button. Below the header, there are three input fields: "Student Name" (placeholder "Enter Name"), "Student Address" (placeholder "Enter Address"), and "Student Marks" (placeholder "Enter Marks"). At the bottom of the form is a large blue button labeled "Add Student".

Student Name  
Enter Name

Student Address  
Enter Address

Student Marks  
Enter Marks

Add Student

# VIEW ALL STUDENTS

Student Management Application

localhost:4200/home

Guest

Add Student

Roll Number	Name	Address	Marks	Edit	Delete
1	Andy Perera	Colombo, Sri Lanka	100	<button>Update</button>	<button>Delete</button>
2	Beth Bond	Paris, France	95	<button>Update</button>	<button>Delete</button>
3	Cindy Sally	Los Angeles, California	80	<button>Update</button>	<button>Delete</button>
4	Dirk Peiris	Galle, Sri Lanka	70	<button>Update</button>	<button>Delete</button>

# UPDATE STUDENT

The screenshot shows a web application for managing student information. At the top, a navigation bar includes a logo, the title "StudentManagementAngular", and links for "Guest" and "Log Out". Below the navigation, a modal dialog titled "Update Student" is displayed over a table of student data.

The modal contains fields for "Student Name" (Andy Perera), "Student Address" (Colombo, Sri Lanka), and "Student Marks" (100). A blue "Update" button is at the bottom of the modal.

The underlying table has columns: Roll Number, Name, Address, Marks, Edit, and Delete. One row in the table corresponds to the student data in the modal, showing Roll Number 1, Name Andy Perera, Address Colombo, Sri Lanka, Marks 100, and buttons for Edit (blue) and Delete (red).

Roll Number	Name	Address	Marks	Edit	Delete
1	Andy Perera	Colombo, Sri Lanka	100	<a href="#">Update</a>	<a href="#">Delete</a>

# DELETE STUDENT

The screenshot shows a web browser window for 'StudentManagementAngular' at 'localhost:4200/home'. A modal dialog titled 'Delete Student' is displayed, asking 'Are you sure you want to delete this student?'. A blue 'Confirm' button is visible on the right side of the dialog. In the background, there are input fields for 'Student Name' (placeholder 'Enter Name'), 'Student Address' (placeholder 'Enter Address'), and 'Student Marks' (placeholder 'Enter Marks'). A large blue 'Add Student' button is centered below these fields. At the bottom, a table lists two student records:

Roll Number	Name	Address	Marks	Edit	Delete
1	Andy Perera	Colombo, Sri Lanka	100	Update	Delete
2	Beth Bond	Paris, France	95	Update	Delete

# CONCLUSION

- The student management system is designed to eliminate numerous constraints associated with the manual handling of data. The purpose of this system is to provide an easy-to-use interface to manage student information.

# **THANK YOU**