

The background of the slide is a light gray gradient, decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle, scattered across the top and bottom of the frame.

SMART TASK MANAGER (AUTOMATED TASK REMINDER & TRACKING APPLICATION)

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PROBLEM STATEMENT

- Many students and working people find it hard to manage daily tasks because tasks are not properly organized and deadlines are often missed.
- Most existing task management methods are either too simple or too complex and do not provide personalized access for each user.

SOLUTION

- This project aims to create a Automated Task Reminder and Tracking Application where users can securely add, update, and track their tasks.
- The application offers task management based on priority, status, and deadlines with multiple views like table, card, and calendar to improve productivity.

PROJECT OBJECTIVES

To develop a simple and user-friendly Task Reminder Application for effective task management.

To enable users to create, update, view, and delete tasks based on priority and status.

To implement secure user authentication and session management for user-specific access.

To provide multiple task visualization options such as table, card, calendar views.

To help users improve productivity by tracking task progress and deadlines efficiently.

TECHNOLOGY STACK



Frontend:- HTML,CSS,Thymeleaf



Backend:-Java,Springboot,MVC



Database:-MySQL

Security:- Spring security

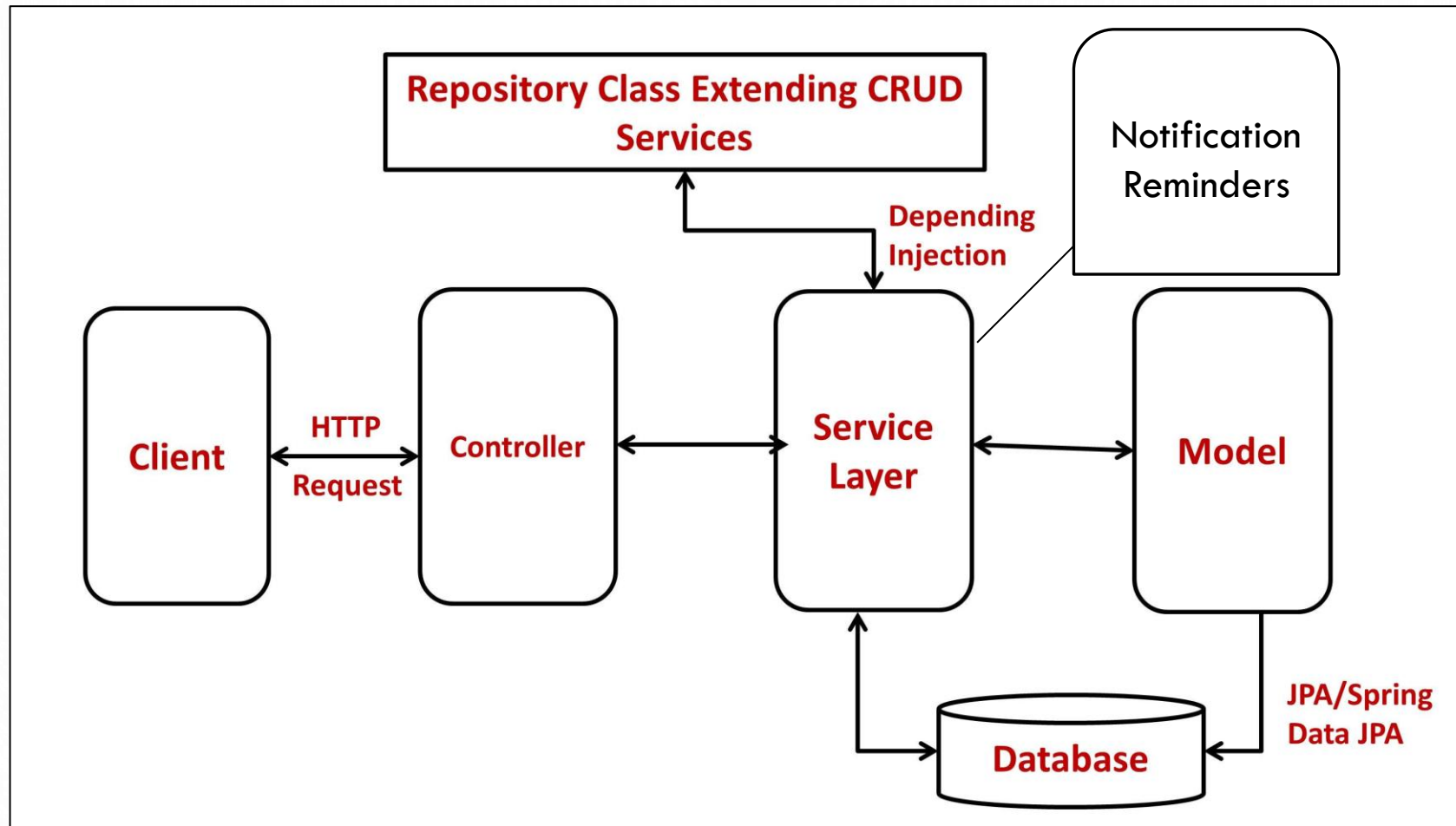


Libraries:-Apache,
FullCalendar,
BCrypt



Development Tools:- VS
code, Maven, Github

SYSTEM ARCHITECTURE



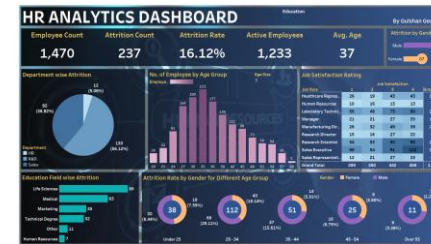
MODULES IMPLEMENTED



User Authentication



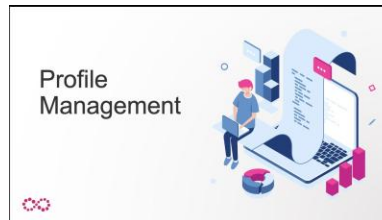
Task Management



Dashboard



Task views



Profile Management

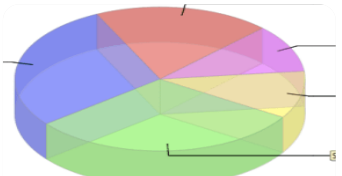


Excel file

KEY FEATURES AND UI



- User- Specific Task Management



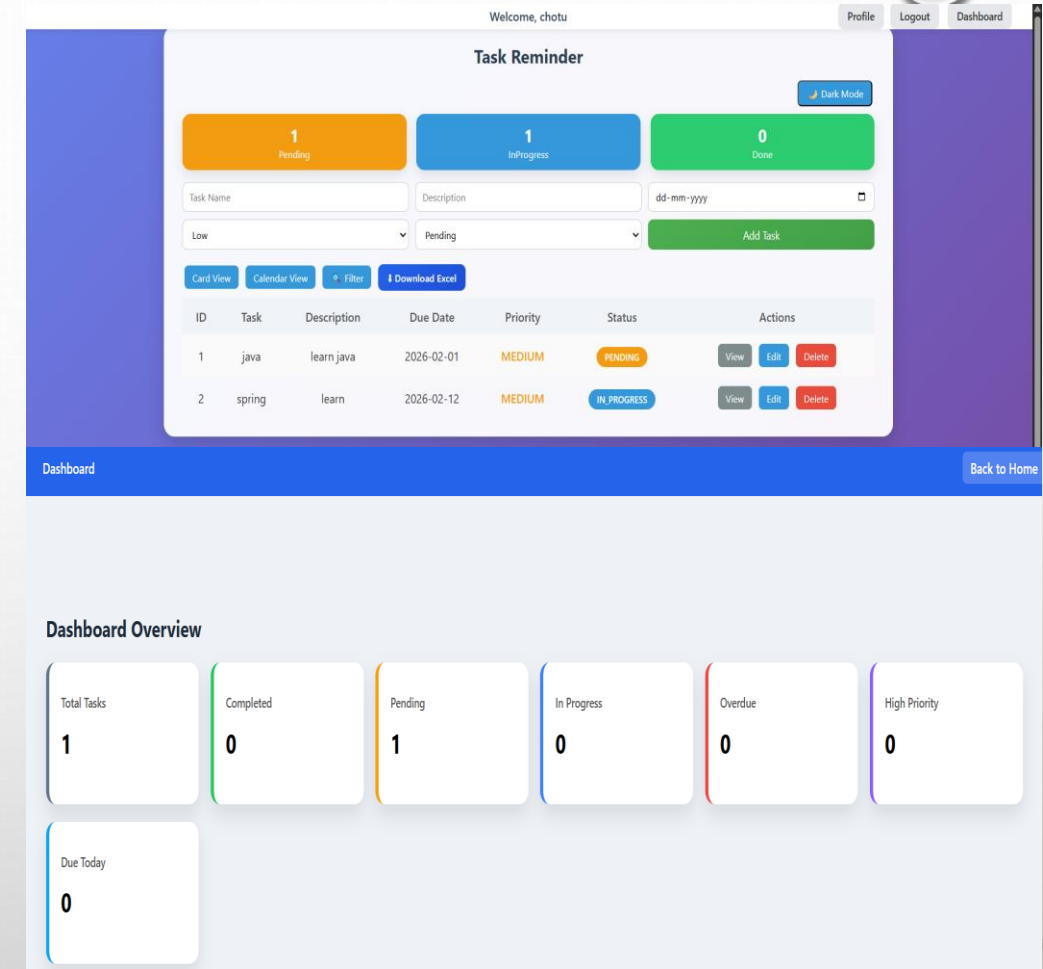
- Dashboard & progress tracking



- Data export and profile management



- Email Reminders and notification



CHALLENGES AND LEARNINGS

CHALLENGES	LEARNINGS
Understanding how to manage user login and show data separately for each user was difficult at first.	Learned how a complete web application works using frontend and backend together.
Combining many features like dashboard, calendar, and Excel download without causing errors took time.	Gained knowledge about user authentication, sessions, and secure data handling.
Fixing backend errors related to database, file upload, and page redirections was challenging.	Improved debugging skills by solving real project errors step by step.

FUTURE ENHANCEMENTS



Advanced Analytics and reports



Mobile Application Integration



Cloud Deployment and Backup



Automated Reminders



THANK YOU