Walchand College of Engineering, Sangli
Department of Computer Science and Engineering

Practical No. 10

Projects using MySQL, NodeJs and ExpressJs, Reacrjs

Perform following problem statements using Node.js

Problem Statement 1: Personal Task Manager

- Develop a simple task manager where users can add, edit, and delete their personal tasks. The tasks should have fields like title, description, dueDate, and status (pending/completed).
- User authentication (JWT-based login/signup).
- CRUD operations for tasks (Create, Read, Update, Delete).
- Filtering tasks by status (pending/completed).
- Allow users to categorize tasks and set priorities (high, medium, low).

Problem Statement 2: User Profile Management System

- Build a profile management system where users can create accounts and update their personal information such as name, email, phone number, and address.
- User registration and authentication (using JWT).
- Profile CRUD: Users can create, view, edit, and delete their profiles.
- Add the ability to upload profile pictures and store the file path in MySQL.

Problem Statement 3: Simple Blog Application

- Create a simple blog platform where users can sign up, log in, and write, edit, or delete their blog posts. Other users can view the blog posts but not edit or delete them.
- User authentication (JWT).
- Blog post CRUD operations.
- Display all blog posts on the homepage, with individual post details accessible through a unique URL.
- Add comment functionality where users can comment on blog posts.

Problem Statement 4: Online Contact Book

- Create an online contact book where users can store, update, and delete their contacts. Each contact has details like name, phone number, email, and address.
- User authentication.
- CRUD operations for contacts.
- Display contacts in a list with pagination.
- Add search functionality to search contacts by name or email.
- Import and export contacts as CSV files.

Problem Statement 5: Event Planner Application

- Create an event planner app where users can organize events, including event details such as event name, date, location, and description.
- User authentication and role-based access (e.g., admin and user).
- CRUD operations for events (only admins can create, edit, or delete events).
- Display event details for all users.
- Implement event registration functionality, where users can register for events.
- Add email notifications when users register for an event.

Implement any 2 problem statement from the above 5 problem statements

1. Create a **document** of the above questions.
2. Scan the document and **create a pdf file** with **"ExamSeatNum_P#PS#" as its name**.
3. Upload the file on the **WCE /ERP** before the given deadline.