#### **Objective:**

Develop a Todo Web Application where users can manage their daily tasks by storing them and updating their status. The application should support user authentication, task management, and profile management.

The Technologies you need to use are:-

1. ReactJS (Frontend)

2. Nodejs, Express for backend API

3. JWT for authentication

4. UUID for generating a unique ID

5. SQLite3 or MongoDB for Database management

#### **Functional Requirements:**

1. **User Authentication:**
   * Implement a **Signup** feature where new users can register by providing the necessary details.
   * Implement a **Login** feature where registered users can authenticate themselves using JWT tokens.
   * Secure the API routes by validating the JWT token to ensure that only authenticated users can access certain features.
2. **Todo Management:**
   * Implement **Create, Read, Update, Delete (CRUD)** operations for managing daily tasks.
   * Allow users to add new tasks, view their list of tasks, edit existing tasks, and delete tasks they no longer need.
   * Enable users to update the status of each task. The available statuses should include **"done," "pending," "in progress,"** and **"completed."**
3. **User Profile Management:**
   * Implement **CRUD** operations to manage the user’s profile.
   * Allow users to update their profile information, such as name, email, and password.
   * Ensure that profile updates are only accessible to the authenticated user.

**Assignment Submission Guidelines:   
  
1)** Submit your Github Repository link**.  
2)** Submit your Deployed link.  
**3)** Submit your loom video recording explaining about your project.