



1. To-Do List Application

Objective: Create a full-stack To-Do list application where users can add, delete, edit, mark tasks as done, and view deadlines.

Deadline: 16 Oct, 4:00 PM

Core Functionalities:

- Add new To-Do items (with description and optional deadline).
- Display all To-Do items.
- Edit existing To-Do items.
- Delete To-Do items.
- Mark To-Do items as "done" (toggle status).

Technology Stack:

- Frontend: React
- Backend: Node.js, Express.js
- Database: MongoDB

Task Breakdown:

1. Backend Development (Node.js, Express, MongoDB)

- Set up an Express server.
- Connect to MongoDB.
- Define a basic schema for To-Do items.
- Create API endpoints for:
 - Creating a To-Do item.
 - Retrieving all To-Do items.
 - Updating a To-Do item.
 - Deleting a To-Do item.

2. Frontend Development (React)

- Set up a React project.
- Create components to display the To-Do list, individual To-Do items, and a form for adding new tasks.
- Manage the application's state to hold the To-Do items.
- Integrate with the backend API to perform CRUD operations (add, read, update, delete).
- Build a user interface that allows users to interact with all core functionalities (add, edit, delete, mark as done, view deadlines).

