📦 Assignment: Simple Task Management System

🧭 Project Overview

Build a web application for managing personal tasks and to-do items. Users can create, view, update, and delete tasks. They can also categorize tasks and track their completion status.

🎯 Core Features

User Features

- **Task Dashboard** (after login):

    - View all tasks in a list

    - Filter tasks by:

        - Completion status (completed, pending)

        - Category (e.g., Work, Personal, etc.)

    - Search tasks by title

- **Task Management**:

    - Create a task with:

        - Title (required)

        - Description (optional)

        - Due date (optional)

        - Category (select or add new)

    - Edit task details

    - Mark task as completed or pending

    - Delete task

Task Categories

- Users can create, edit, or delete categories

- Each task must belong to one category

🔐 Authentication & Authorization

- Must-have:

    - User registration & login

    - Each user sees only their own tasks and categories

    - Show logged-in user's name

    - Logout button

💻 Technical Requirements

- **Time:** ~5 hours

- **Technology Stack:** Any backend framework (Node.js/Express, Django, Rails, etc.)

- **Frontend Options:**

    - Server-side rendering (e.g., with templates)

    - OR basic React/Vue frontend

- **Database:** Any lightweight DB (e.g., SQLite, MongoDB, PostgreSQL)

🧪 Evaluation Criteria

- ✅ Functional task and category management

- ✅ User-based task filtering

- ✅ Clean and simple UI

- ✅ Secure authentication

- ✅ Code readability and structure

- ✅ Working search and filters

🌟 Optional Bonus Features (if time permits)

- Task priority levels (High, Medium, Low)

- Overdue task highlighting

- Drag-and-drop task reordering

- Calendar view of due tasks

- Dark mode toggle