Assignment 3

Name: Vansh

OnBoarding Task Management App (Vue 3)

Objective:

Design and develop a Vue 3 Application to manage onboarding tasks using the Material Design library

Core Features (Must Have):

1. Add onboarding tasks with the following fields:
   - Module Name (Text)
   - Contents (Multi-line Text)
   - Duration (Number - Days)
   - Priority (Low, Medium, High)
   - Status (Pending / Completed)

2. Display all tasks in a tabular format:
   - Columns: Module | Contents | Duration | Priority | Status | Actions

3. Functionalities:
   - Add New Task
   - Edit Task (Inline / Modal)
   - Delete Task
   - Mark Task as Complete → Completed tasks should move to the bottom.
   - Sorting:
     - By Priority
     - By Duration
   - Searching / Filtering by Module Name
   - Form Validation

Additional Features (Good to Have):

Local Storage:

- Persist tasks in Local Storage.

- Abstract storage logic is added to a service file (to simulate a repository pattern), so it's easier to replace with API/RDBMS later.

Pinia State Management:

- Use Pinia to manage task states across components.
- Ensure the code structure is scalable for API-based data fetching later.

Unit Tests:

- Write Unit test cases using Jest for the relevant features.

Task History Log:

- Maintain a task history log (locally), capturing:
    - When the task was created.
    - When the task was updated.
    - When marked as complete.

UI Expectations:

- Follow the [Material Design theme](#) (same as the HTML assignment).
- Responsive Design — Should work well on mobile/tablet/desktop.

Technical Expectations:

- Use Single File Components (SFC).
- Proper folder structure (Organized by Features/Components/Store/Services).
- Follow ESLint rules for clean code.
- Use meaningful Git commits and create feature branches. (e.g. "feature-name: task done")

Bonus Features (Optional):

1. Dark Mode Toggle using Pinia state.
2. Export tasks to CSV.
3. Drag and drop feature to reorder tasks manually.

Deliverables:

1. Host the project on GitHub.
2. Create a well-structured README file with:
   - Features List
   - Setup Instructions
   - Screenshots / Demo GIFs
3. Final presentation/demo of your project.
4. **Expected submission date:** 18/04/2025

Here is the sample UI for your reference:

Onboarding Tasks   + Add Task

Module	Contents	Duration	Actions

Set up workstwiton — Durution

	Module	Duration	
☐	Create email address	2 days	✏️ 🗑️
☐	Set up computer	3 days	✏️ 🗑️
☐	Create phone extension	1 days	✏️ 🗑️

New Hire Paperwork

☐	Complete Direct Deposit Form	1 day	✏️ 🗑️
☐	Read Employee Handbook	4 days	✏️ 🗑️

Culture Orientation — 2 days

☑	Meet with Culture Ambassador	2 days	✏️ 🗑️
☑	Go over company history	3 days	✏️ 🗑️

Other

☑	New Hire Orientation	1 day	✏️ 🗑️
☑	Office Tour	1 days	✏️ 🗑️
☑	Introduce New Hire to Team	2 days	✏️ 🗑️
☑	Review and Sign W-4	1 day	
☑	Watch Company Overview Video	2 days	