

PRACTICAL TEST 2

JAVASCRIPT

WT822: Advanced Website programming .net

Date: 05/06/2025 Duration: 1 hours 30 minutes

Build a One-Page Task Board.

Create a simple Smart Task Board application that allows users to:

- Add tasks
- Mark tasks as done
- Delete tasks
- View a live task summary

Instructions:

Step 1: Project Setup (5 marks)

1. Create a project folder named "**SmartTaskBoard**".
2. Inside this folder, create subfolders:
 - index.html
 - **css**/style.css
 - **js**/script.js

Step 2: HTML Page (index.html) (10 marks)

Title: "Smart Task Board"

Include:

- Text input for task description
- Dropdown to select priority (Low, Medium, High)
- "Add Task" button
- Empty section to show tasks
- Summary section:
 - Total Tasks
 - Completed Tasks
 - Remaining Tasks

Smart Task Board

Low

Add Task

Task Summary

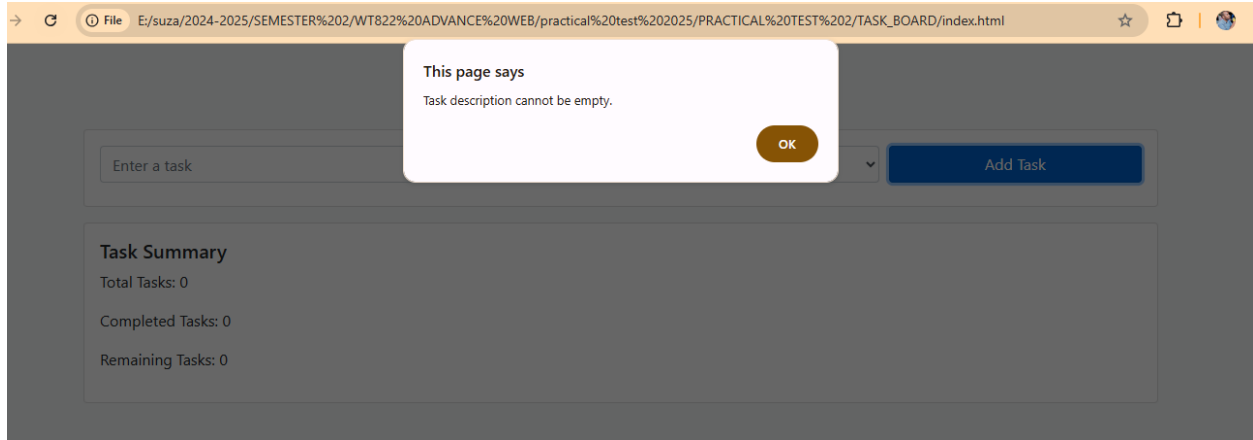
Total Tasks: 0

Completed Tasks: 0

Remaining Tasks: 0

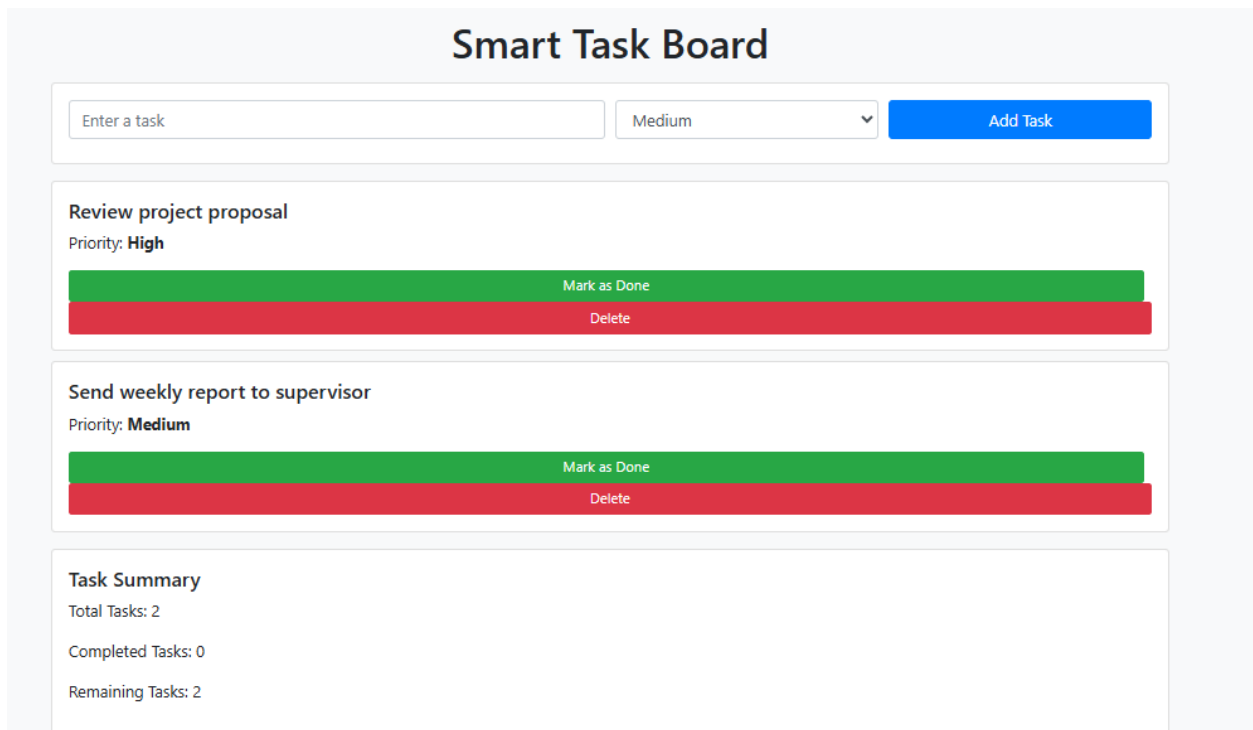
Step 3: JavaScript Functionality (75 marks)

1. Validate that task description is not empty and not duplicated **(15 marks)**



2. On clicking Add Task, a new task appears in the task list **(15 marks)**

- Each task should display:
- Task description
- Priority
- Timestamp
- “Mark as Done” and “Delete” buttons



3. When “Mark as Done” is clicked Apply line-through styling and change appearance **(15 marks)**

Smart Task Board

Medium
▼

Add Task

Review project proposal
Priority: **High**

Undo

Delete

Send weekly report to supervisor

Priority: **Medium**

Mark as Done

Delete

Task Summary

Total Tasks: 2

Completed Tasks: 1

Remaining Tasks: 1

4. When “Delete” is clicked Remove task from list **(15 marks)**

Smart Task Board

Medium
▼

Add Task

Send weekly report to supervisor

Priority: **Medium**

Mark as Done

Delete

Task Summary

Total Tasks: 1

Completed Tasks: 0

Remaining Tasks: 1

5. Update task summary dynamically when you add new task, when you mark task as done and when you delete the task **(15 marks)**

Step 4: CSS styling (10 marks)

- Use Bootstrap and add minimal custom styles
- Completed tasks should look different (e.g. green border, strikethrough)

Note:

- Use objects to store task data and an array (or map/set) to manage tasks
- Recommended: Use a Set to prevent adding duplicate task descriptions