Task Management Application

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Problem Statement

- Build a tool to manage tasks.
- Track the task progress.

Modules

- User
  - User should be able to register and login.
- Tasks
  - User should be able to add task, edit task, delete task, list tasks.

Sprint 1 - Week 1

Feature 1: Register User

User Story:

- As a user, I should be able to register.

Rules :

- All fields are mandatory
- Same email should not be registered twice
- Password length must have minimum 8 characters

Register Account

Name   Enter your name

Email   Enter your email

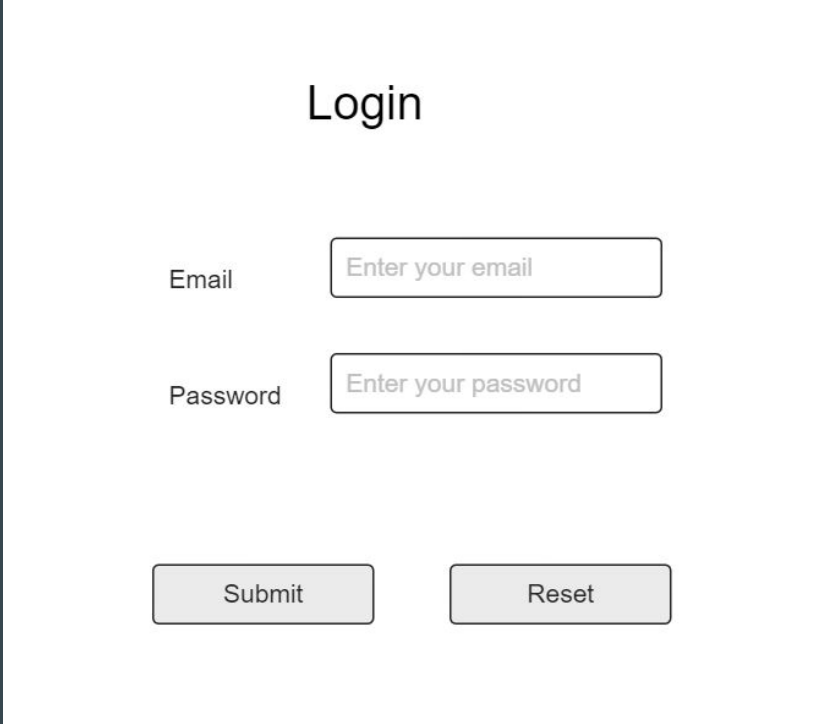Password   Enter your password

Submit   Reset

Feature 2: Login User

User Story:

- As a user, I should be able to login.

Rules :

- All fields are mandatory
- If we pass invalid credentials, system must show "Invalid Login Credentials" message

Sprint 2 - Week 2

Feature 3: Add Task

User Story:

- As a user, after login I should be able to add tasks.

Rules:

- All fields are mandatory
- Default task status is "PENDING"

Add Task

Task Name   Enter your task name

Submit   Reset

Feature 4: List Tasks

User Story:

- As a user, I should be able to list all tasks.

List Tasks

Sno	Task Name	Status	Actions
1	Install Git	PENDING	Edit
2	Install Node JS	PENDING	Edit
3	Install VS Code	PENDING	Edit
4	Install VPN	PENDING	Edit

Feature 5: Add Created Date in Task

User Story:

- As a user, I should be able to see when the task is created.

Rules:

- When adding a task, system should add current date/time as createdDate.

List Tasks

Sno	Task Name	Status	Created Date	Actions
1	Install Git	COMPLETED	10-JULY-2021	Edit
2	Install Node JS	PENDING	10-JULY-2021	Edit
3	Install VS Code	PENDING	10-JULY-2021	Edit
4	Install VPN	PENDING	10-JULY-2021	Edit

Sprint 3 - Week 3

Feature 6: Edit Task

User Story:

- As a user, I should be able to edit the task details.
- Edit Task Description
- Change the status from "PENDING" to "COMPLETED"

Rules:

- When changing the status to "COMPLETED", system should add the current date/time as task completion date.

Feature 7: Add user details in task

User Story:

- As a user, I should be able to see who has created the task.

Rules:

- When adding task, System should automatically take logged in user name as createdBy field.

List Tasks

Sn	Task Name	Created By	Status	Created Date	Actions
1	Install Git	Naresh	COMPLETED	10-JULY-2021	
2	Install Node JS	Siva	PENDING	10-JULY-2021	Edit
3	Install VS Code	Murali	PENDING	10-JULY-2021	Edit
4	Install VPN	Ravi	PENDING	10-JULY-2021	Edit

Feature 8: Disable Edit for completed tasks

User Story:

- As a user, I should be able not be able to edit the "COMPLETED" tasks

Rules:

- Don't show the edit button if the task status is "COMPLETED"

List Tasks

Sn	Task Name	Created By	Status	Created Date	Actions
1	Install Git	Naresh	COMPLETED	10-JULY-2021	
2	Install Node JS	Siva	PENDING	10-JULY-2021	Edit
3	Install VS Code	Murali	PENDING	10-JULY-2021	Edit
4	Install VPN	Ravi	PENDING	10-JULY-2021	Edit

Feature 9: Delete Task

User Story:

- As a user, I should be able to delete the task which I have created.

Rules:

- Tasks which are in "PENDING" status can be deleted.

List Tasks

Sno	Task Name	Created By	Status	Created Date	Actions
1	Install Git	Naresh	COMPLETED	10-JULY-2021	
2	Install Node	Siva	PENDING	10-JULY-2021	Edit Delete
3	Install VS	Murali	PENDING	10-JULY-2021	Edit Delete
4	Install VPN	Ravi	PENDING	10-JULY-2021	Edit Delete

Sprint 4 - Week 4

Task 10.1: Add Priority

User Story:

- As a user, I should be able to add task priority.

Rules:

- Valid Priority is
  - HIGH
  - MEDIUM
  - LOW

Task 10.2 : Show Task Priority in List Tasks

List Tasks

Sn	Task Name	Priority	Created By	Status	Created Date	Actions
1	Install Git	HIGH	Naresh	COMPLETED	10-JULY-2021	
2	Install Node	LOW	Siva	PENDING	10-JULY-2021	Edit Delete
3	Install VS	HIGH	Murali	PENDING	10-JULY-2021	Edit Delete
4	Install VPN	MEDIUM	Ravi	PENDING	10-JULY-2021	Edit Delete

Task 11.1: Change Task Priority

User Story:

- As a user, I should be able to change the priority of tasks which I have created.

Rules:

- Only "PENDING" tasks can be modified

Thank You