SUNSTONE

To - Do List

Task - 1

A To - Do List

- The purpose of the to-do list project is to provide users with a simple and efficient tool for managing tasks and organizing their daily

- The project will include features such as task creation, deletion, and modification, as well as categorization and prioritization of tasks.

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Task - 1

Creation of SRS & Github

- Create SRS : "Your Project"
- Creation & Set-up of Github account
- Creation & Hands-on to various commands of Git Bash

Evaluation Metric:

- 100% Completion of the above tasks

Learning Outcome

- Get to know about different lifecycle models.
- Understanding importance and how to create an SRS
- Knowing various commands of Github
- Understanding agile and scrum management techniques for efficient product development

SYSTEM SPECIFICATIONS

Functional Requirements

1
- Users should be able to create, edit, and delete tasks.
- Tasks can be categorized and assigned priority levels.
- The application should support multiple user accounts.
- Users can view tasks in a list or calendar view.

Non - Functional Requirements

2
- The system should be responsive and user-friendly.
- The application should have secure user authentication.
- Data should be backed up regularly to prevent loss.

Technical specifications

- HTML
- CSS
- React JS
- MangoDB

Step-Wise Description

1. **Project Setup**
   - Create a new React project using Create React App.
   - Set up the necessary development environment and tools.

2. **Frontend Development**
   - Design a web page using HTML, CSS, and Bootstrap to mimic.
   - Implement the core features of the To-Do List, such as task cards, columns, and drag-and-drop functionality.

3. **Backend Development**
   - Setup a backend technology to handle data storage and retrieval.

4. **Integration**
   - Connect the frontend and backend to allow seamless data interaction.
   - Implement authentication and authorization for users if necessary.

5. **Data Management**
   - Develop the logic for creating, updating, and deleting tasks.
   - Ensure data persistence and synchronization between the frontend and backend.

6. **Cloud Hosting**
   - Deploy both the frontend and backend components to a cloud platform.
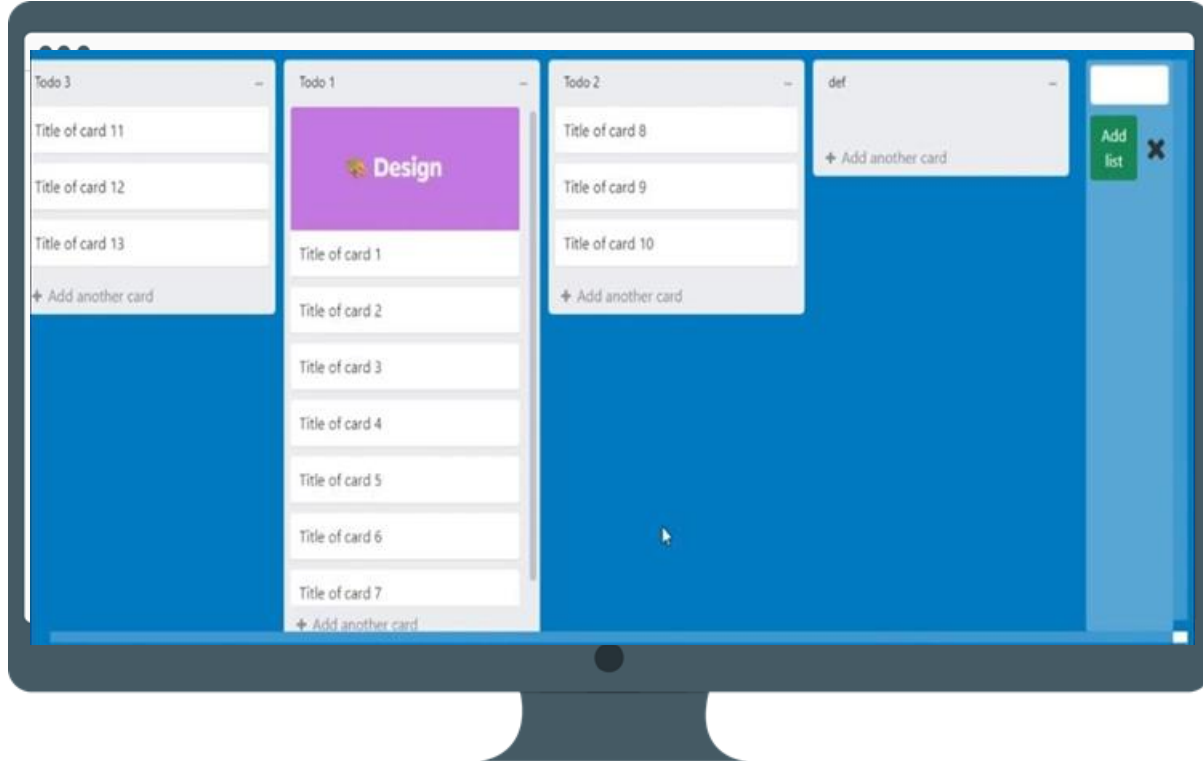
7. **Testing and Debugging**
   - Perform extensive testing to identify and resolve any issues.
   - Ensure cross-browser and cross-device compatibility.
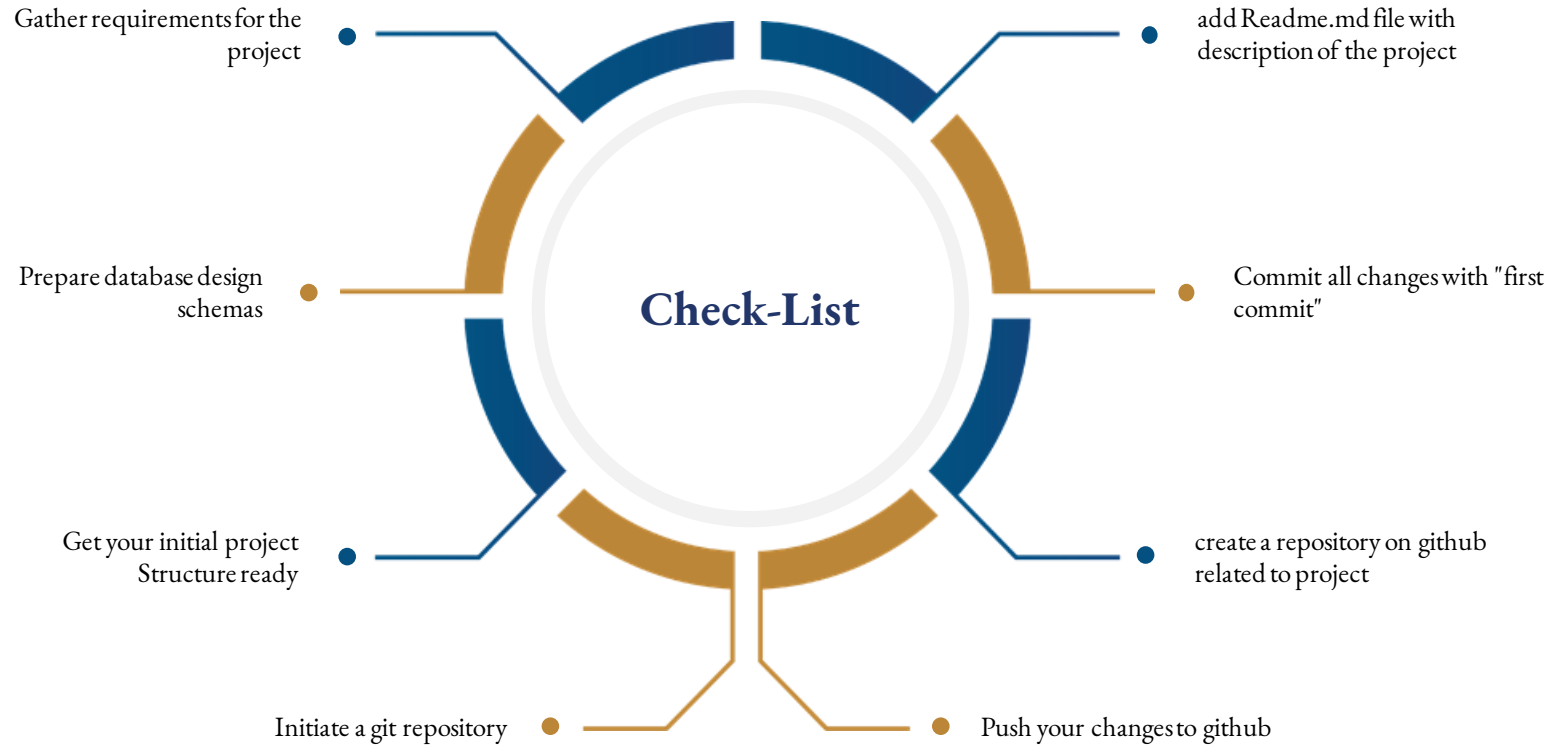
Summary of your task

Creating a React-based To-Do List project.

- The project involves designing a user-friendly web page using HTML, CSS, and Bootstrap.

- React will be used for building the frontend, providing a dynamic user interface.

- A backend will be developed to handle data..

- The project will be hosted in the cloud for accessibility and scalability.

- Throughout the process, rigorous testing and debugging are essential to deliver a robust application.

FRONTEND MODEL

Assessment Parameter

Gather requirements for the project

add Readme.md file with description of the project

Check-List

Prepare database design schemas

Commit all changes with "first commit"

Get your initial project Structure ready

create a repository on github related to project

Initiate a git repository

Push your changes to github

Submission Github

https://github.com/Keerthi-pk10/To-do-list-project/tree/main