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.
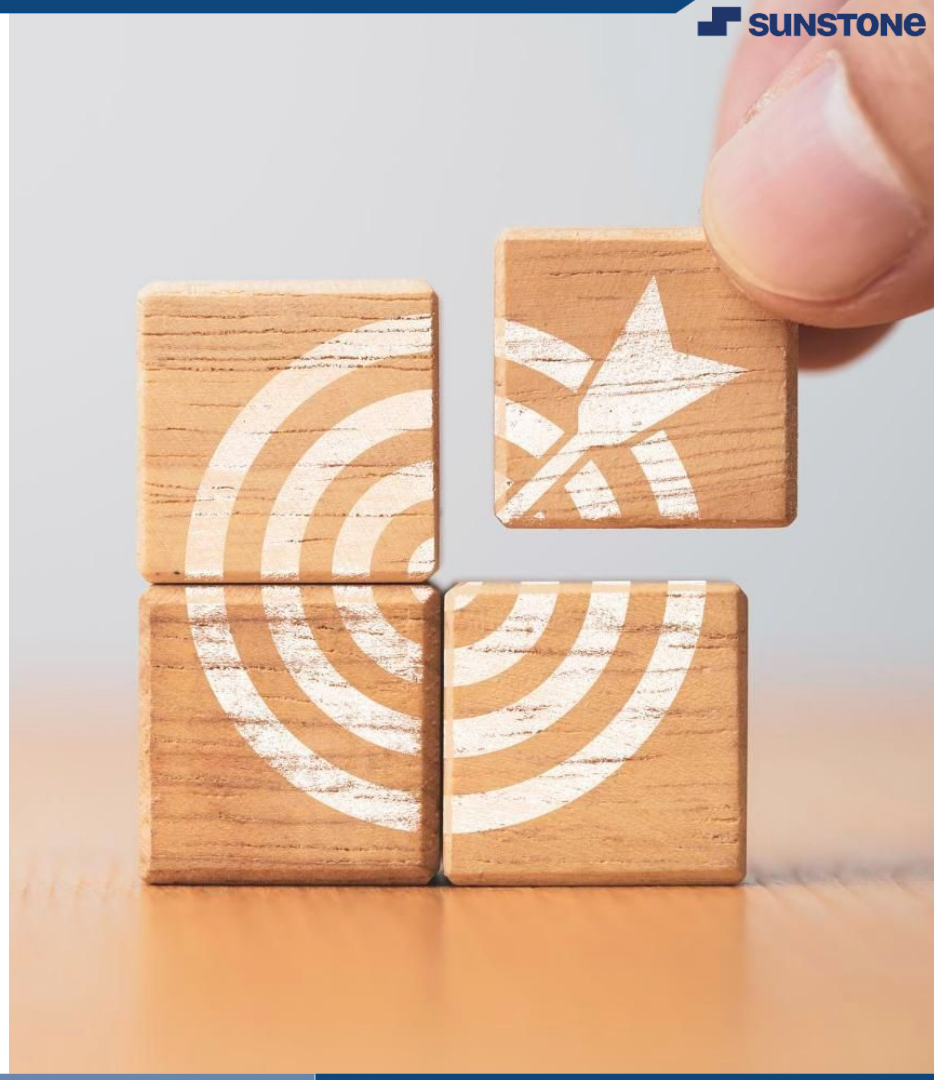- Users can view tasks in a list or calendar view.

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
- MongoDB

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.
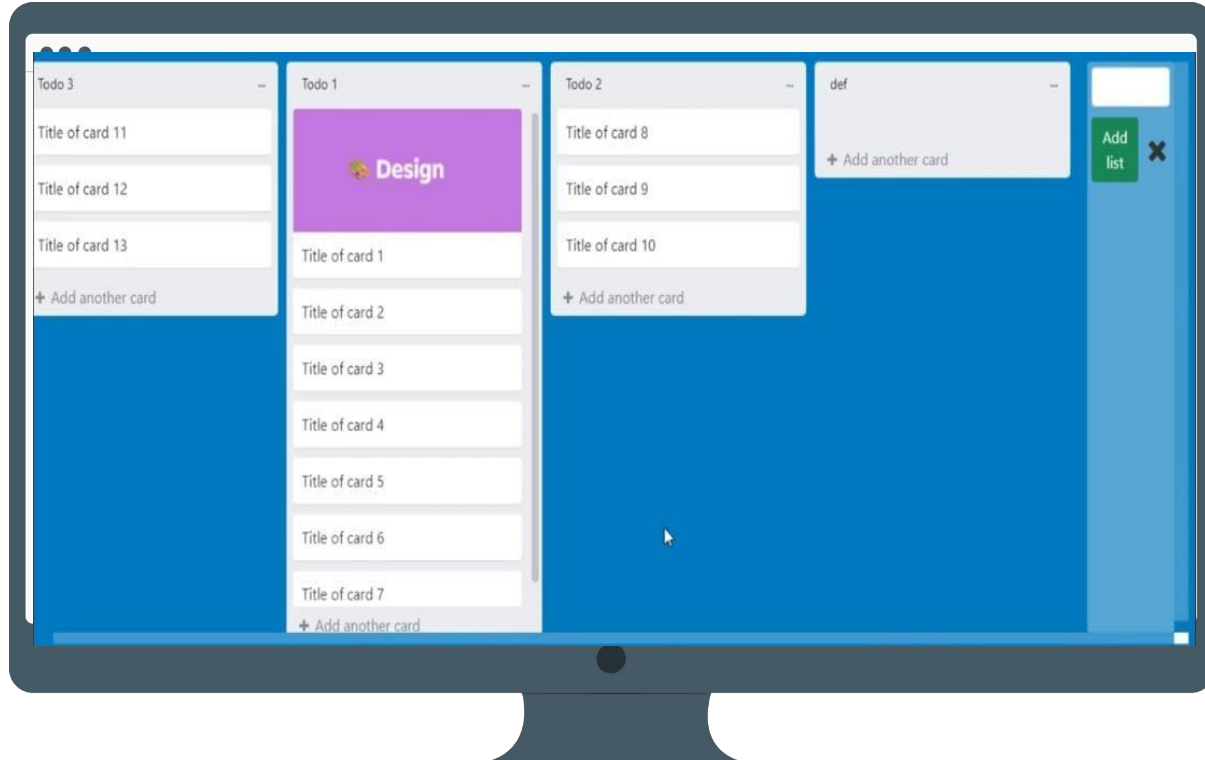
7. **Testing and Debugging**
   - Perform extensive testing to identify and resolve any issues.
   - Ensure cross-browser and cross-device compatibility.
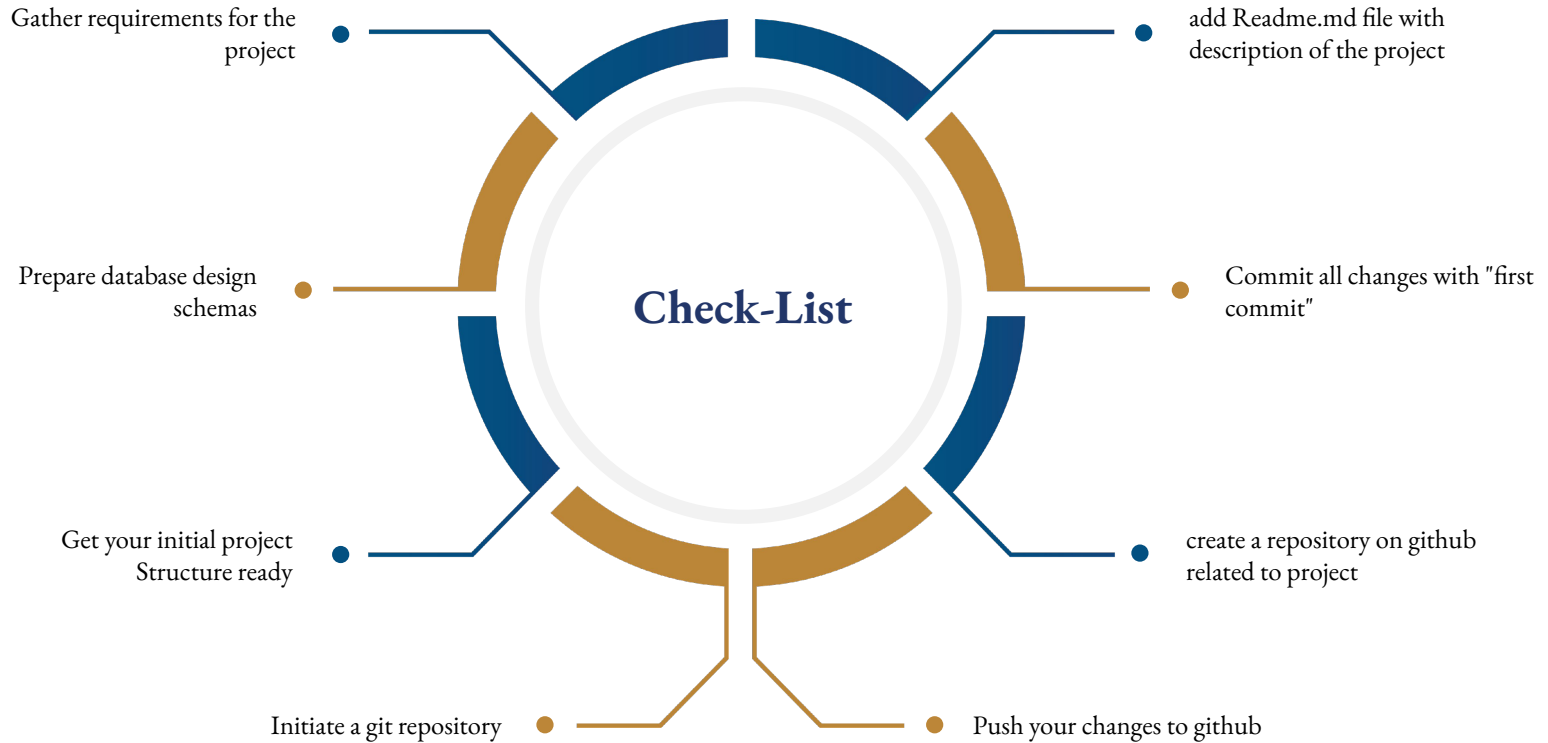
Summary of your task

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

Check-List

Gather requirements for the project

add Readme.md file with description of the project

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

github link