

Project - Planner Board

The Personal Board is designed with the idea of creating a single platform where users can manage all of their work, personal tasks, and goals on a single board.

Planning & Approach:

1. **Inspiration & Design for layout:** Before starting the project, To get inspiration for design, I explored some projects and designs on Behance, Dribbble, and Pinterest. Once I have explored enough projects and designs, my next step is to draw a simple layout so that I can get a clear picture of how the application will look and which parts will be divided into components for reusable purposes.
2. **Data Flow:** After the layout is ready, the next step is to define the flow and how components and data will communicate with each other, as well as how many of these components will be used on other parts.
3. **Styling User Interface:** I always prefer to complete the basic layout using CSS and then only work on the functionality, which is JavaScript, because not only does it make things easier, but it also saves a lot of time, and later you can hit and try some minor UI changes that come to mind.
4. **Logic and Functionality:** When working on the javascript and logic of the web application, I prefer working on one section or feature at a time. So, for example, there is a feature called "add card," which allows the user to create a new task. The user clicks on a button, a modal appears, and the user fills in the information and submits the form. For some reason, there is an error in or the user tried to submit empty fields. In those cases, error handlers need to be added.

This all has to be done in one sitting, and I make sure the whole functionality is written and completed in one go, then take some time off to plan about the next feature.

5. **Development to Production:** Before converting the development build to the production build, I make sure to check all the edge cases and exceptional cases that can cause errors and break down the application.

Features:

1. **Add new Card:** User can add new card/task. Steps are as follows:
 - i. Click on the “Add Card” button.
 - ii. Modal will be shown with the form.
 - iii. Form has 3 fields which are, “Title”, “Description” and “Column”.
 - iv. Make sure to fill all of the fields and not leave them empty.
 - v. Title should contain alphabets only.
 - vi. Description should be more than 25 letters.
 - vii. Column should be chosen from the dropdown.
 - viii. Submitting a form with an empty or invalid field will fail.

2. **Edit Card:** User can edit existing card. Steps are as follows:
 - i. Click on card/task.
 - ii. Modal will be shown with prefilled data based on the card.
 - iii. Make changes according to the need.
 - iv. Make sure to fill all of the fields and not leave them empty.
 - v. Title should contain alphabets only.
 - vi. Description should be more than 25 letters.
 - vii. Column should be chosen from the dropdown if the user wants to move it from one place to another.

3. **Delete Card:** User can delete card. Steps are as follows:
 - i. Click on card/task.
 - ii. Delete button is to be found in the bottom left corner.
 - iii. Clicking it will delete the card.

4. **Drag and Drop:** User can drag and drop card from one column to another. Steps are as follows:
 - i. Select the card by clicking on the card and holding the left mouse button.
 - ii. Drag the mouse all the way to the desired column section.
 - iii. The card will move to another column only if there is another card present in that column.

- In the case where the user wants to move a card from the pending column but there is no other card present in the working and completed column, then the user needs to click on the card and change the column option.