**Practice Project: Team Budget Planner**

**Write Up:**

*Designed By: Rishu*

*Project Overview:*

*Team Budget Planner*

*The Team Budget Planner is a web-based application designed to facilitate the management of professional deals between a specific team and vendors, enabling the finance team to oversee expenses and make decisions regarding the annual budget.*

*Functionalities and Structure:*

*Deal Management:*

*The application allows Program Managers to input deal details, including Client Name, Project Name, Project Manager, and Project Cost, via a user-friendly form. Upon adding a deal, the data is displayed in a table format for easy reference. Each deal entry includes an option to delete it from the list.*

*Budget Information:*

*A section called "Budget Information" dynamically updates to reflect the total budget. This amount aggregates the costs of all deals entered by the Program Managers.*

*Frontend Development:*

*The frontend of the application is built using HTML, CSS, and JavaScript. The design focuses on a clean and responsive user interface, ensuring ease of use for both Program Managers and Finance Team members.*

*Backend Logic:*

*The application employs JavaScript modules (Deal.js) that define the structure of a 'Deal' object. These objects encapsulate deal-related information and include a method to calculate the total cost. The main application file (app.js) handles user interactions, UI updates, and data storage in the browser's local storage.*

*User Experience and Interaction Flow:*

*Adding Deals:*

*Program Managers access the form and input details of professional deals.*

*Validation ensures that all required fields (Client Name, Project Name, Manager, Cost) are filled before submission.*

*On successful addition, the deal appears in the table below, and the total budget dynamically updates.*

*Managing Deals:*

*Each deal entry in the table includes a 'Delete' button for removing specific deals.*

*Clicking the 'Delete' button triggers an immediate removal of the deal from the table and recalculates the total budget.*

*Persistence and Local Storage:*

*The application persists deal information locally using the browser's local storage feature.*

*Upon refreshing the page or revisiting the application, previously entered deals and the total budget are retrieved and displayed.*

*Design and Styling:*

*The design prioritizes a responsive layout, enhancing user experience across various devices. The color scheme, including green and blue accents, fosters a visually appealing and professional environment. Forms and tables are styled for clarity and ease of navigation.*

*Future Improvements and Enhancements:*

*User Authentication: Introduce secure login functionality for Program Managers and Finance Team members.*

*Enhanced Visualization: Implement graphical representations (charts, graphs) of expenses and budget distribution.*

*Database Integration: Integrate a backend database to store and manage deal data securely.*

*Error Handling and Notifications: Enhance user feedback by implementing error handling and informative notifications.*

*Conclusion:*

*The Team Budget Planner prototype provides a functional and user-friendly interface for managing professional deals and tracking associated expenses. By facilitating data entry, manipulation, and visualization, it serves as a foundation for potential expansion and refinement to meet the evolving needs of the team and finance management.*

*This prototype showcases the potential of a web-based application to streamline deal management processes, empower decision-making, and enhance financial oversight within an organization.*