Admin Dashboard

The Responsive Admin Dashboard is designed using HTML, CSS, JavaScript, and Chart.js to provide a dynamic and user-friendly interface for managing users and visualizing key metrics. The dashboard is fully responsive and adjusts seamlessly across devices, ensuring accessibility on desktops, tablets, and mobile devices.

Key Features:

1. Navigation:
   o A collapsible sidebar and top bar with a search field and profile section allow easy navigation across the dashboard.
   o Sidebar links switch between the Overview, Analytics, and User Management sections.
2. Dashboard Layout:
   o The Overview Section dynamically displays key metrics such as Total Users, Active Users, and Monthly Traffic using mock API data.
   o Analytics Section includes interactive charts powered by Chart.js, featuring a line chart for user traffic over time and a bar chart for product sales.
   o User Management Section contains a dynamic user table fetched from an external API, supporting sorting by name and status, and allows toggling between active/inactive user status.
3. Data Visualizations:
   o Utilizes Chart.js to create visually appealing and dynamic pie charts for user distribution (active/inactive users), a line chart for user traffic, and a bar chart for product sales.
   o All charts are responsive, adjusting to different screen sizes and providing a smooth user experience.
4. User Management:
   o Includes Add, Edit, and Delete functionalities for user records with client-side form validation.
   o The status toggle (active/inactive) and table sorting are implemented to enhance user control over the data.
5. Responsiveness and Flexibility:
   o The layout is fully responsive, leveraging Bootstrap for adaptive design across various screen sizes.

- o The sidebar collapses for smaller screens, and charts dynamically adjust to the viewport for an optimal experience.
6. Form Validation:
   - o Client-side validation is implemented for adding/editing users, including checking for valid email formats and duplicate entries.

This project demonstrates the ability to integrate dynamic data visualizations, handle API data, and provide a responsive and interactive user interface for admin functionalities.