AIM
Admin Dashboard with CSS Grid Layout and Theme Switching

Task Description

The task is to design and implement a **responsive Admin Dashboard** using **HTML, CSS, and JavaScript**, featuring a **theme switching** mechanism. The layout should include a sidebar for navigation, a header with a theme toggle button, and a main content area displaying summary cards with key statistics (like users, revenue, etc.).

Objective:

- To create a **visually clean and user-friendly admin interface** for managing application data.

- To practice and demonstrate:

  - **CSS Grid Layout** for responsive and structured design.

  - **CSS Variables** for theme flexibility (light/dark modes).

  - **DOM Manipulation with JavaScript** to toggle between light and dark themes.

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Admin Dashboard</title>
  <style>
    :root {
      --bg-color: #ffffff;
      --text-color: #222;
      --sidebar-bg: #f0f0f0;
      --card-bg: #ffffff;
      --accent-color: #007bff;
    }

    body.dark {
      --bg-color: #1f1f1f;
      --text-color: #f1f1f1;
      --sidebar-bg: #2a2a2a;
      --card-bg: #333;
      --accent-color: #4dabf7;
    }

    * {
      box-sizing: border-box;
      margin: 0;
      padding: 0;
    }

    body {
      font-family: Arial, sans-serif;
      background-color: var(--bg-color);
      color: var(--text-color);
      display: grid;
      grid-template-columns: 220px 1fr;
      grid-template-rows: 60px 1fr 50px;
      grid-template-areas:
        "sidebar header"
        "sidebar main"
```

```css
39          "sidebar main"
40          "sidebar footer";
41        height: 100vh;
42        transition: all 0.3s ease;
43      }
44
45      header {
46        grid-area: header;
47        background-color: var(--card-bg);
48        display: flex;
49        justify-content: space-between;
50        align-items: center;
51        padding: 0 20px;
52        border-bottom: 1px solid ■#ccc;
53      }
54
55      header h1 {
56        font-size: 22px;
57      }
58
59      aside {
60        grid-area: sidebar;
61        background-color: var(--sidebar-bg);
62        padding: 20px;
63        border-right: 1px solid ■#ccc;
64      }
65
66      aside h2 {
67        margin-bottom: 20px;
68        font-size: 20px;
69      }
70
71      aside nav a {
72        display: block;
73        margin: 12px 0;
```

```css
73        margin: 12px 0;
74        text-decoration: none;
75        color: var(--text-color);
76        padding: 6px 10px;
77        border-radius: 4px;
78      }
79
80      aside nav a:hover {
81        background-color: var(--accent-color);
82        color: ■#fff;
83      }
84
85      main {
86        grid-area: main;
87        padding: 20px;
88        overflow-y: auto;
89      }
90
91      .card {
92        background-color: var(--card-bg);
93        border-radius: 8px;
94        padding: 20px;
95        margin-bottom: 20px;
96        box-shadow: 0 0 5px □rgba(0,0,0,0.1);
97      }
98
99      footer {
100       grid-area: footer;
101       background-color: var(--card-bg);
102       text-align: center;
103       line-height: 50px;
104       font-size: 14px;
105       border-top: 1px solid ■#ccc;
106     }
107
```

```css
108 ∨        .theme-toggle {
109            display: flex;
110            align-items: center;
111            gap: 10px;
112          }
113
114          .theme-toggle input[type="checkbox"] {
115            transform: scale(1.2);
116            cursor: pointer;
117          }
118
119          @media (max-width: 768px) {
120            body {
121              grid-template-columns: 1fr;
122              grid-template-rows: 60px auto 1fr 50px;
123              grid-template-areas:
124                "header"
125                "sidebar"
126                "main"
127                "footer";
128            }
129
130            aside {
131              border-right: none;
132              border-bottom: 1px solid ■#ccc;
133            }
134          }
135        </style>
136      </head>
137      <body>
138        <aside>
139          <h2>Admin</h2>
140          <nav>
141            <a href="#">Dashboard</a>
142            <a href="#">Users</a>
143            <a href="#">Reports</a>
```

```
148 ∨    <header>
149         <h1>Admin Dashboard</h1>
150         <div class="theme-toggle">
151           <label for="toggleTheme">Dark Mode</label>
152           <input type="checkbox" id="toggleTheme">
153         </div>
154       </header>
155
156       <main>
157         <div class="card">
158           <h3>Overview</h3>
159           <p>Welcome to your dashboard. Here's a quick summary:</p>
160         </div>
161
162         <div class="card">
163           <h3>Users</h3>
164           <p>Total Users: <strong>124</strong> | New Today: <strong>5</strong></p>
165         </div>
166
167         <div class="card">
168           <h3>Reports</h3>
169           <p>No critical alerts at the moment. Everything is running smoothly.</p>
170         </div>
171       </main>
172
173       <footer>
174         &copy; 2025 Admin Panel - Intermediate Version
175       </footer>
176
177       <script>
178         const toggle = document.getElementById('toggleTheme');
179         toggle.addEventListener('change', () => {
180           document.body.classList.toggle('dark');
181         });
182       </script>
183     </body>
184   </html>
```

Name: Yokshit Sankhyan   UID:23BIS70152

OUTPUT:

Admin

Dashboard

Users

Reports

Settings

Admin Dashboard   Dark Mode ☑

Overview
Welcome to your dashboard. Here's a quick summary:

Users
Total Users: **124** | New Today: **5**

Reports
No critical alerts at the moment. Everything is running smoothly.