

# AIM

## Admin Dashboard with CSS Grid Layout and Theme Switching

### Objective

Design and build a professional, responsive admin dashboard interface using HTML, CSS Grid layout, and a theme switching feature (light and dark modes). This task focuses on advanced layout skills and the application of design adaptability through theming

### Task Description

Create a web-based admin dashboard page that includes the following sections:

- Header: Contains the dashboard title and a theme switch (light/dark).
- Sidebar: Includes navigation links such as Home, Users, and Settings.
- Main Content Area: Placeholder for data visualization, reports, or welcome messages.
- Footer: Displays footer text or copyright.

### Code :

# HTML

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
6   <title>Admin Dashboard</title>
7   <link rel="stylesheet" href="style.css" />
8 </head>
9 <body class="light-theme">
10  <div class="dashboard">
11    <header class="header">
12      <h1>Admin Dashboard</h1>
13      <label>
14        <input type="checkbox" id="theme-toggle" />
15        Dark Mode
16      </label>
17    </header>
18
19    <aside class="sidebar">
20      <ul>
21        <li><a href="#">Home</a></li>
22        <li><a href="#">Users</a></li>
23        <li><a href="#">Settings</a></li>
24      </ul>
25    </aside>
26
27    <main class="main">
28      <h2>Welcome, Admin!</h2>
29      <p>This is the main content area. Add charts, tables, or reports here.</p>
30    </main>
31
32    <footer class="footer">
33      © 2025 Admin Panel
34    </footer>
35  </div>
36
37  <script>
38    const toggle = document.getElementById("theme-toggle");
39    const body = document.body;
40
41    toggle.addEventListener("change", () => {
42      body.classList.toggle("dark-theme");
43      body.classList.toggle("light-theme");
44    });
45  </script>
46 </body>
47 </html>
48
```

# CSS

```
style.css / dashboard
1  /* Base styles */
2  * {
3      margin: 0;
4      padding: 0;
5      box-sizing: border-box;
6  }
7
8  body {
9      font-family: Arial, sans-serif;
10     min-height: 100vh;
11     transition: background 0.3s, color 0.3s;
12 }
13
14 /* CSS Grid layout */
15 .dashboard {
16     display: grid;
17     grid-template-areas:
18         "header header"
19         "sidebar main"
20         "footer footer";
21     grid-template-columns: 200px 1fr;
22     grid-template-rows: auto 1fr auto;
23     min-height: 100vh;
24 }
25
26 /* Sections */
27 .header {
28     grid-area: header;
29     background-color: #4CAF50;
30     color: white;
31     padding: 1rem;
32     display: flex;
33     justify-content: space-between;
34     align-items: center;
35 }
36
37 .sidebar {
38     grid-area: sidebar;
39     padding: 1rem;
40     background-color: #f0f0f0;
41 }
```

```
42
43 .sidebar ul {
44 |   list-style: none;
45 | }
46
47 .sidebar a {
48 |   display: block;
49 |   margin-bottom: 1rem;
50 |   color: #333;
51 |   text-decoration: none;
52 |   font-weight: bold;
53 | }
54
55 .main {
56 |   grid-area: main;
57 |   padding: 2rem;
58 |   background-color: #fff;
59 | }
60
61 .footer {
62 |   grid-area: footer;
63 |   text-align: center;
64 |   padding: 1rem;
65 |   background-color: #4CAF50;
66 |   color: white;
67 | }
68
69 /* Dark Theme */
70 body.dark-theme {
71 |   background-color: #121212;
72 |   color: #f0f0f0;
73 | }
74
75 body.dark-theme .header {
76 |   background-color: #222;
77 |   color: white;
78 | }
79
80 body.dark-theme .sidebar {
81 |   background-color: #1e1e1e;
82 | }
83
```

```
83
84 body.dark-theme .sidebar a {
85   color: #90caf9;
86 }
87
88 body.dark-theme .main {
89   background-color: #1e1e1e;
90   color: #e0e0e0;
91 }
92
93 body.dark-theme .footer {
94   background-color: #222;
95   color: #ccc;
96 }
97
98 /* Light Theme */
99 body.light-theme {
100   background-color: #f3f3f3;
101   color: #333;
102 }
103
104 /* Responsive */
105 @media (max-width: 768px) {
106   .dashboard {
107     grid-template-areas:
108       "header"
109       "sidebar"
110       "main"
111       "footer";
112     grid-template-columns: 1fr;
113   }
114
115   .sidebar {
116     text-align: center;
117   }
118 }
119
```

# OUTPUT

