**Experiment-3**

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.

The page should:

* Use CSS Grid to arrange and align these sections into a clean, professional layout.
* Implement theme switching functionality so that the entire dashboard can switch between light mode and dark mode.
* The switch should update background colors, text colors, and other style elements clearly, without requiring page reload.

**Code**

**<!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>**

**<link rel="stylesheet" href="style.css"/>**

**</head>**

**<body class="light-theme">**

**<div class="dashboard">**

**<!-- HEADER -->**

**<header class="header">**

**<h1>Admin Dashboard</h1>**

**<button id="theme-toggle">🌙 Dark Mode</button>**

**</header>**

**<!-- SIDEBAR -->**

**<aside class="sidebar">**

**<nav>**

**<ul>**

**<li><a href="#">🏠 Home</a></li>**

**<li><a href="#">👥 Users</a></li>**

**<li><a href="#">⚙ Settings</a></li>**

**</ul>**

**</nav>**

**</aside>**

**<!-- MAIN CONTENT -->**

**<main class="main-content">**

**<h2>Welcome, Admin!</h2>**

**<p>This is your dashboard. Use the navigation to explore more.</p>**

**</main>**

**<!-- FOOTER -->**

**<footer class="footer">**

**&copy; 2025 Your Company. All rights reserved.**

**</footer>**

**</div>**

**<script src="script.js"></script>**

**</body>**

**</html>**

**/\* Reset & Fonts \*/**

**\* {**

**margin: 0;**

**padding: 0;**

**box-sizing: border-box;**

**}**

**body {**

**font-family: 'Segoe UI', sans-serif;**

**transition: background 0.3s, color 0.3s;**

**}**

**/\* Grid Layout \*/**

**.dashboard {**

**display: grid;**

**grid-template-areas:**

**"header header"**

**"sidebar main"**

**"footer footer";**

**grid-template-columns: 200px 1fr;**

**grid-template-rows: auto 1fr auto;**

**min-height: 100vh;**

**}**

**/\* Areas \*/**

**.header {**

**grid-area: header;**

**display: flex;**

**justify-content: space-between;**

**align-items: center;**

**padding: 1rem;**

**}**

**.sidebar {**

**grid-area: sidebar;**

**padding: 1rem;**

**}**

**.main-content {**

**grid-area: main;**

**padding: 2rem;**

**}**

**.footer {**

**grid-area: footer;**

**text-align: center;**

**padding: 1rem;**

**font-size: 0.9rem;**

**}**

**/\* Navigation \*/**

**.sidebar ul {**

**list-style: none;**

**}**

**.sidebar li {**

**margin: 1rem 0;**

**}**

**.sidebar a {**

**text-decoration: none;**

**font-weight: bold;**

**}**

**/\* Light Theme \*/**

**.light-theme {**

**background-color: #f5f5f5;**

**color: #111;**

**}**

**.light-theme .header,**

**.light-theme .footer {**

**background-color: #fff;**

**}**

**.light-theme .sidebar {**

**background-color: #eee;**

**}**

**.light-theme a {**

**color: #111;**

**}**

**/\* Dark Theme \*/**

**.dark-theme {**

**background-color: #121212;**

**color: #eee;**

**}**

**.dark-theme .header,**

**.dark-theme .footer {**

**background-color: #1f1f1f;**

**}**

**.dark-theme .sidebar {**

**background-color: #2a2a2a;**

**}**

**.dark-theme a {**

**color: #eee;**

**}**

**/\* Theme Toggle Button \*/**

**#theme-toggle {**

**padding: 0.5rem 1rem;**

**background: none;**

**border: 1px solid currentColor;**

**border-radius: 5px;**

**cursor: pointer;**

**}**

**/\* Responsive \*/**

**@media (max-width: 768px) {**

**.dashboard {**

**grid-template-areas:**

**"header"**

**"main"**

**"sidebar"**

**"footer";**

**grid-template-columns: 1fr;**

**}**

**}**

**const toggleBtn = document.getElementById('theme-toggle');**

**const body = document.body;**

**toggleBtn.addEventListener('click', () => {**

**body.classList.toggle('dark-theme');**

**body.classList.toggle('light-theme');**

**toggleBtn.textContent = body.classList.contains('dark-theme')**

**? '☀ Light Mode'**

**: '🌙 Dark Mode';**

**});**

**Output**



