EXPERIMENT 1

23BIS70037 FullStack

Q: 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

#### INDEX.HTML

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Control Panel</title>

<link rel="stylesheet" href="dashboard.css">

</head>

<body>

<input type="checkbox" id="mode-toggle">

<div class="container">

<header class="site-header">

<h1>Control Center</h1>

<label for="mode-toggle" class="toggle-label">🌓 Switch Theme</label>

</header>

<nav class="navigation">

<ul>

<li><a href="#">Dashboard</a></li>

<li><a href="#">Profiles</a></li>

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

</ul>

</nav>

<section class="content-area">

<h2>Hello, Ichchha!</h2>

<p>This is your dashboard content. Here’s where you’ll manage information.<br>Your UID: <strong>23BIS70099</strong></p>

</section>

<footer class="site-footer">

<p>© 2025 Control Panel System</p>

</footer>

</div>

</body>

</html>

#### STYLES.CSS

body {

margin: 0;

font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

background: #ffffff;

color: #222;

}

#mode-toggle {

display: none;

}

.container {

display: grid;

grid-template-areas:

"header header"

"nav content"

"footer footer";

grid-template-columns: 220px 1fr;

grid-template-rows: auto 1fr auto;

min-height: 100vh;

border: 1px solid #ccc;

}

.site-header {

grid-area: header;

background-color: #2d89ef;

color: #fff;

display: flex;

justify-content: space-between;

padding: 15px 25px;

align-items: center;

}

.toggle-label {

cursor: pointer;

font-size: 1rem;

}

/\* Sidebar Navigation \*/

.navigation {

grid-area: nav;

background-color: #f4f4f4;

padding: 25px;

}

.navigation a {

display: block;

color: #000;

text-decoration: none;

margin: 10px 0;

}

.content-area {

grid-area: content;

padding: 25px;

}

.site-footer {

grid-area: footer;

background-color: #2d89ef;

color: #fff;

text-align: center;

padding: 10px;

}

#mode-toggle:checked ~ .container {

background-color: #121212;

color: #e6e6e6;

}

#mode-toggle:checked ~ .container .site-header,

#mode-toggle:checked ~ .container .site-footer {

background-color: #1f1f1f;

}

#mode-toggle:checked ~ .container .navigation {

background-color: #242424;

}

#mode-toggle:checked ~ .container .navigation a {

color: #ccc;

}

#mode-toggle:checked ~ .container .content-area {

background-color: #121212;

}

## OUTPUT

