

TASK 1 — CSS GRID

htmlIndex5

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Grid Layout Demo</title>
  <link rel="stylesheet" href="style5.css">
</head>
<body>

<div class="grid-container">
  <div class="grid-item">1</div>
  <div class="grid-item">2</div>
  <div class="grid-item">3</div>
  <div class="grid-item">4</div>
  <div class="grid-item">5</div>
  <div class="grid-item">6</div>
  <div class="grid-item">7</div>
  <div class="grid-item">8</div>
  <div class="grid-item span-item">Call to Action</div>
</div>

</body>
</html>
```

Style5.css

```
.grid-container {
  display: grid;
  grid-template-columns: repeat(3, 1fr);
  grid-gap: 15px;
  width: 90%;
  margin: 50px auto;
}

.grid-item {
  background-color: #AEC6CF;
  color: #333;
  padding: 20px;
  border-radius: 5px;
  min-height: 100px;
  text-align: center;
```

```

    font-size: 1.5em;
}

.span-item {
    background-color: #FF6961;
    grid-column: 1 / 4;
    font-weight: bold;
    color: white;
}

```

TASK 2 — HTML5 VALIDATION

Index6.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>HTML5 Validation Demo</title>
    <link rel="stylesheet" href="style6.css">
</head>

<body>

<form action="#" method="POST">
    <h2>User Login</h2>

    <label for="username">Username (Min 6 chars):</label>
    <input type="text" id="username" name="username" minlength="6"><br><br>

    <label for="password">Password (*Required):</label>
    <input type="password" id="password" name="password" required><br><br>

    <button type="submit">Log In</button>
</form>

</body>
</html>

```

Style6.css

```

input:valid:focus,
input:valid {
    border: 1px solid #000000;
}

```

```
}

input:invalid:focus {
  border-color: #FF0000;
  box-shadow: 0 0 5px rgba(255, 0, 0, 0.5);
}

input {
  padding: 8px;
  margin-top: 5px;
  width: 250px;
  box-sizing: border-box;
}
```

TASK 3 — NAVIGATION MENU

Index3.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Navigation Bar Styling</title>
  <link rel="stylesheet" href="style3.css">
</head>

<body>

<nav>
<ul class="nav-menu">
  <li class="nav-item active"><a href="#">Home</a></li>
  <li class="nav-item"><a href="#">About</a></li>
  <li class="nav-item"><a href="#">Services</a></li>
  <li class="nav-item"><a href="#">Contact</a></li>
</ul>
</nav>

</body>
</html>
```

Style3.css

```
.nav-menu {  
  list-style-type: none;  
  padding: 0;  
  margin: 0;  
  background-color: #333;  
}
```

```
.nav-item {  
  display: inline-block;  
}
```

```
.nav-item a {  
  display: block;  
  color: white;  
  text-align: center;  
  padding: 14px 16px;  
  text-decoration: none;  
}
```

```
.nav-item.active {  
  background-color: #007BFF;  
  color: white;  
}
```

TASK 4 — THEME SWITCHER

Index2.html

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  <title>Theme Switcher Demo</title>  
  <link rel="stylesheet" href="style2.css">  
</head>  
  
<body>  
  
  <button id="themeToggle">Toggle Theme</button>  
  
  <div class="container">
```

```
<h2>Theme Demonstration</h2>
<p>This paragraph demonstrates the style change between themes.</p>
</div>
```

```
</body>
</html>
```

Style2.css

```
body {
  background-color: white;
  color: black;
  transition: 0.3s ease;
}

body.dark-theme {
  background-color: #282c34;
  color: #f2f2f2;
}

body.dark-theme .container {
  border: 2px solid #5C6773;
}

.container {
  max-width: 800px;
  margin: 50px auto;
  padding: 20px;
}
```