

ETHNUS - MERN FULL STACK INTERNSHIP

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ASSIGNMENT- 8

1. CODE:

```
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>School Dashboard</title>
7    <style>
8      * {
9        margin: 0;
10       padding: 0;
11       box-sizing: border-box;
12     }
13     body, html {
14       height: 100%;
15       font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
16     }
17     .dashboard-container {
18       display: flex;
19       height: 100vh;
20     }
21     .sidebar {
22       width: 250px;
23       background: linear-gradient(to bottom, #4CAF50, #66BB6A);
24       color: white;
25       padding: 30px 20px;
26     }
27     .sidebar h2 {
28       margin-bottom: 30px;
29       font-size: 20px;
30     }
31     .sidebar ul {
32       list-style: none;
33     }
34     .sidebar li {
35       padding: 10px;
36       margin-bottom: 10px;
37       background-color: rgba(255, 255, 255, 0.15);
```

```

38     border-radius: 5px;
39     cursor: pointer;
40     font-size: 15px;
41 }
42 .sidebar li:hover,
43 .sidebar li.active {
44     background-color: rgba(255, 255, 255, 0.25);
45 }
46 .main-content {
47     flex: 1;
48     padding: 40px;
49     background-color: #f2f4f8;
50 }
51 .main-content h1 {
52     text-align: center;
53     color: #4CAF50;
54     font-size: 24px;
55     margin-bottom: 40px;
56 }
57 .cards-container {
58     display: grid;
59     grid-template-columns: repeat(2, 1fr);
60     gap: 30px;
61     padding: 0 60px;
62 }
63 .card {
64     background-color: white;
65     padding: 30px;
66     border-radius: 10px;
67     box-shadow: 0 4px 12px rgba(0, 0, 0, 0.05);
68     text-align: center;
69 }
70 .card h3 {

```

```

71     color: #444;
72     margin-bottom: 10px;
73 }
74 .card p {
75     font-size: 24px;
76     font-weight: bold;
77     color: #4CAF50;
78 }
79 </style>
80 </head>
81 <body>

```

```

82     <div class="dashboard-container">
83         <aside class="sidebar">
84             <h2>School Dashboard</h2>
85             <nav>
86                 <ul>
87                     <li class="active">Dashboard</li>
88                     <li>Students</li>
89                     <li>Teachers</li>
90                     <li>Classes</li>
91                     <li>Exams</li>
92                     <li>Library</li>
93                     <li>Settings</li>
94                 </ul>
95             </nav>
96         </aside>
97         <main class="main-content">
98             <h1>Welcome to the School Dashboard</h1>
99             <div class="cards-container">
100                 <div class="card">
101                     <h3>Total Students</h3>
102                     <p id="students">0</p>
103                 </div>

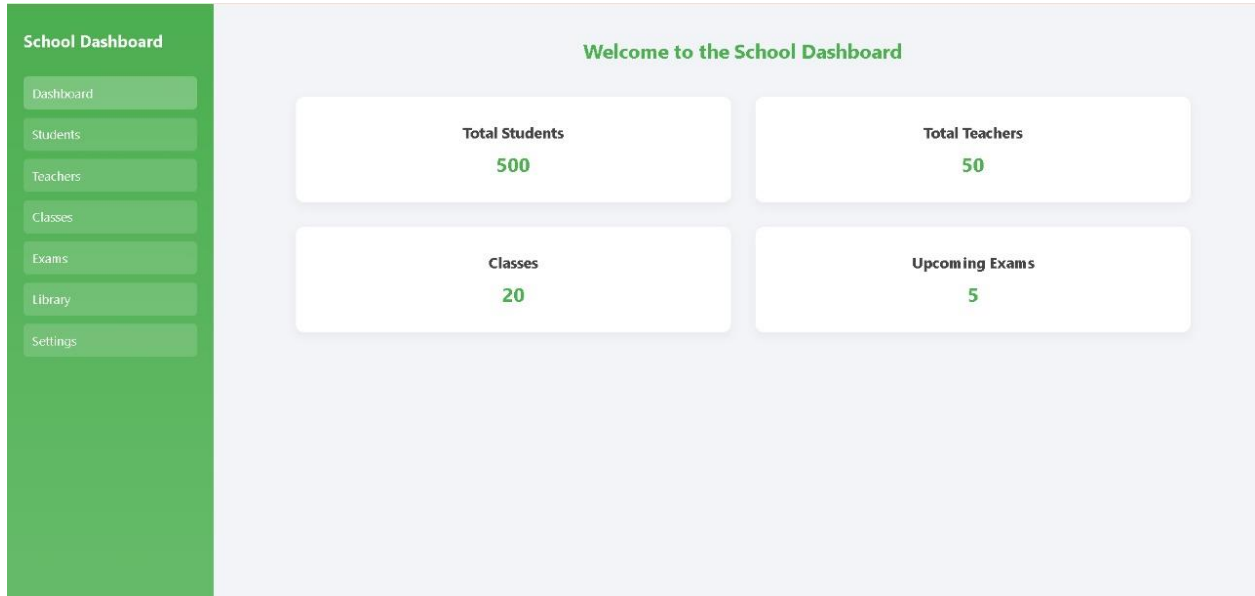
```

```

104                 <div class="card">
105                     <h3>Total Teachers</h3>
106                     <p id="teachers">0</p>
107                 </div>
108                 <div class="card">
109                     <h3>Classes</h3>
110                     <p id="classes">0</p>
111                 </div>
112                 <div class="card">
113                     <h3>Upcoming Exams</h3>
114                     <p id="exams">0</p>
115                 </div>
116             </div>
117         </main>
118     </div>
119     <script>
120         // Simulated backend data
121         const data = {
122             students: 500,
123             teachers: 50,
124             classes: 20,
125             exams: 5
126         };
127         document.getElementById('students').textContent = data.students;
128         document.getElementById('teachers').textContent = data.teachers;
129         document.getElementById('classes').textContent = data.classes;
130         document.getElementById('exams').textContent = data.exams;
131     </script>
132 </body>
133 </html>

```

OUTPUT:



2.CODE

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta charset="UTF-8" /> ent="width=device-width, initial-scale=1.0" />
6   <title>
7   <style> Selector Specificity: (0, 0, 1)
8     body {
9       margin: 0;
10      font-family: Arial, sans-serif;
11      background: url('https://www.shutterstock.com/image-vector/singer-under-glowing');
12      background-size: cover;
13      color: white;
14    }
15    .header {
16      text-align: center;
17      padding: 20px;
18      font-size: 36px;
19      font-weight: bold;
20      color: white;
21      text-shadow: 2px 2px black;
22    }
23    .navbar {
24      display: flex;
25      justify-content: center;
26      background-color: rgba(0, 0, 0, 0.6);
27      padding: 10px;
28      flex-wrap: wrap;
29    }
30    .navbar a {
31      margin: 5px;
32      padding: 10px 20px;
33      background-color: #444;
34      color: white;
35      text-decoration: none;
36      font-weight: bold;
37      transition: background-color 0.3s;

```

```
38     }
39     .navbar a:hover {
40         background-color: #666;
41     }
42     .section {
43         border: 2px dotted #ccc;
44         margin: 20px auto;
45         width: 90%;
46         padding: 15px;
47         background-color: rgba(0, 0, 50, 0.6);
48         border-radius: 10px;
49     }
50     .section h2 {
51         font-size: 22px;
52         margin-bottom: 15px;
53         text-shadow: 1px 1px black;
54     }
55     .image-row {
56         display: flex;
57         overflow-x: auto;
58         gap: 15px;
59         padding-bottom: 10px;
60     }
61     .image-row img {
62         width: 120px;
63         height: 160px;
64         border: 2px solid white;
65         border-radius: 5px;
66         transition: transform 0.2s;
67         object-fit: cover;
68     }
69     .image-row img:hover {
70         transform: scale(1.1);
```

```
71     }
72     footer {
73         text-align: center;
74         padding: 20px;
75         background-color: rgba(0, 0, 0, 0.6);
76         color: #ccc;
77         font-size: 14px;
78     }
```

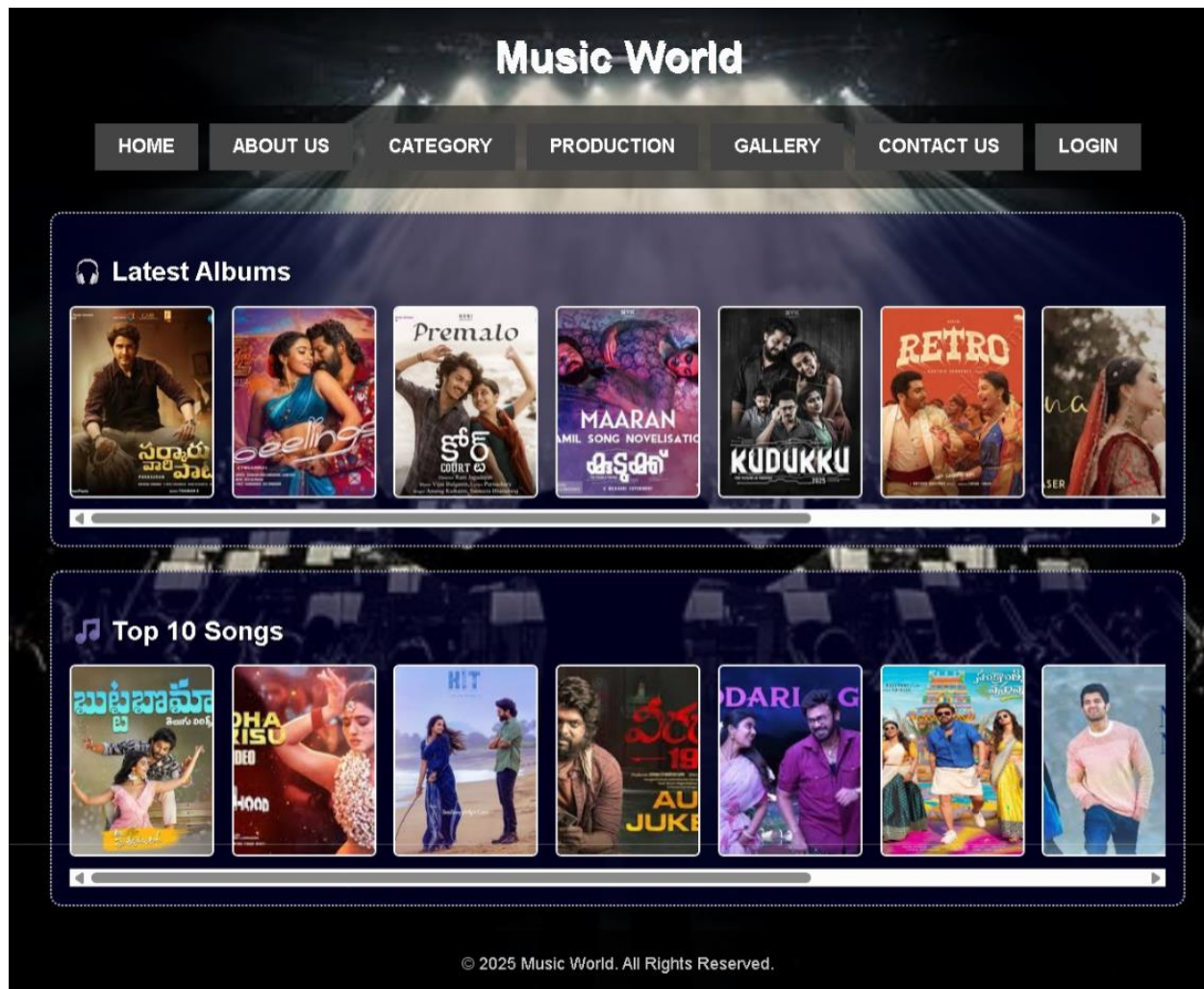


```

79     </style>
80 </head>
81 <body>
82     <div class="header">Music World</div>
83     <div class="navbar">
84         <a href="#">HOME</a>
85         <a href="#">ABOUT US</a>
86         <a href="#">CATEGORY</a>
87         <a href="#">PRODUCTION</a>
88         <a href="#">GALLERY</a>
89         <a href="#">CONTACT US</a>
90         <a href="#">LOGIN</a>
91     </div>
92     <div class="section">
93         <h2>🎧 Latest Albums</h2>
94         <div class="image-row">
95             
96             
97             
98             
99             
100            
101            
102            
103            
104            
105        </div>
106    </div>
107    <div class="section">
108        <h2>🎵 Top 10 Songs</h2>
109        <div class="image-row">
110            
111            
112            
113            
114            
115            
116            
117            
118            
119            
120        </div>
121    </div>
122    <footer>
123        © 2025 Music World. All Rights Reserved.
124    </footer>
125 </body>
126 </html>

```

OUTPUT:



3. CODE:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>5x5 Matrix Calculator</title>
5   <style>
6     body {
7       display: flex;
8       justify-content: center;
9       align-items: center;
10      min-height: 100vh;
```

```
11     background-color: #e0f7f5;
12     margin: 0;
13     font-family: Arial, sans-serif;
14 }
15 .calculator {
16     background-color: #acaaaa;
17     border-radius: 10px;
18     padding: 20px;
19     box-shadow: 0 0 20px rgba(151, 150, 150, 0.6);
20     width: 300px;
21 }
22 #display {
23     width: 100%;
24     height: 60px;
25     background-color: #f7f9f8;
26     border: none;
27     border-radius: 5px;
28     margin-bottom: 20px;
29     text-align: left;
30     padding: 0 15px;
31     font-size: 2em;
32     color: #0e0e0e;
33     box-sizing: border-box;
34 }
35 .buttons {
36     display: grid;
37     grid-template-columns: repeat(5, 1fr);
```

```
38     gap: 10px;
39 }
40 .button {
41     height: 50px;
42     background-color: #33ead8;
43     color: #fff;
44     border: none;
45     border-radius: 5px;
46     font-size: 1.2em;
47     cursor: pointer;
```



```

48     transition: background-color 0.2s ease;
49 }
50 .button:hover {
51     background-color: #33ead8;
52 }
53 .button.operator {
54     background-color: #33ead8;
55 }
56 .button.operator:hover {
57     background-color: #33ead8;
58 }
59 .button.clear {
60     background-color: #33ead8;
61 }
62 .button.clear:hover {
63     background-color: #33ead8;
64 }
65 .button.equal {
66     background-color: #33ead8;
67     grid-column: span 2;
68 }
69 .button.equal:hover {
70     background-color: #33ead8;

```

```

71 }
72 </style>
73 </head>
74 <body>
75 <div class="calculator">
76     <input type="text" id="display" value="0" readonly>
77     <div class="buttons">
78         <button class="button clear" onclick="clearDisplay()">C</button>
79         <button class="button operator" onclick="appendToDisplay('%')"%></button>
80         <button class="button operator" onclick="appendToDisplay('(')'">(</button>
81         <button class="button operator" onclick="appendToDisplay('/')'">/</button>
82         <button class="button" onclick="appendToDisplay('7')">7</button>
83         <button class="button" onclick="appendToDisplay('8')">8</button>
84         <button class="button" onclick="appendToDisplay('9')">9</button>
85         <button class="button operator" onclick="appendToDisplay('*')">*</button>
86         <button class="button" onclick="appendToDisplay('4')">4</button>
87         <button class="button" onclick="appendToDisplay('5')">5</button>

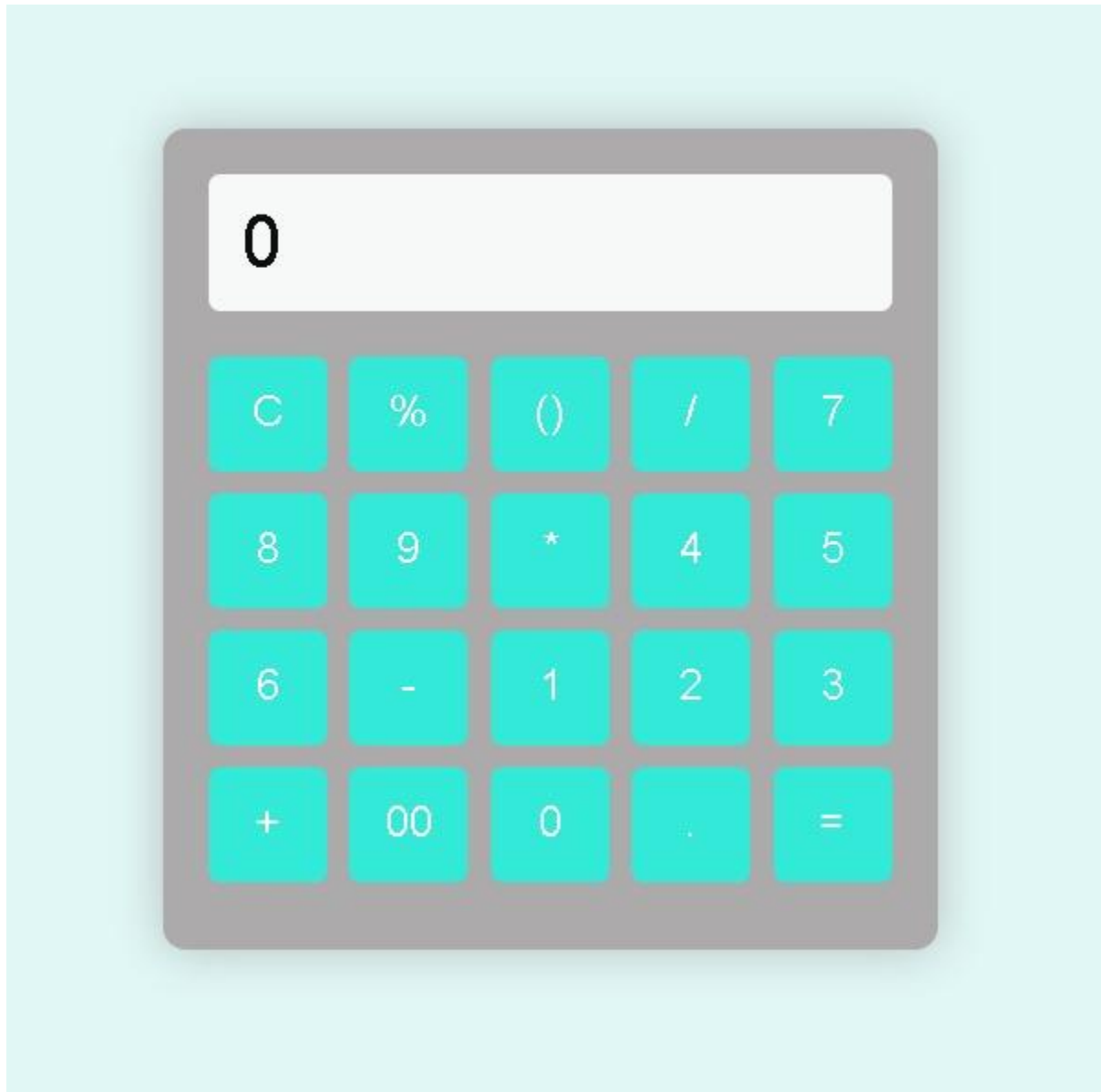
```

```

88     <button class="button" onclick="appendToDisplay('6')">6</button>
89     <button class="button" onclick="appendToDisplay('-')">-</button>
90     <button class="button" onclick="appendToDisplay('1')">1</button>
91     <button class="button" onclick="appendToDisplay('2')">2</button>
92     <button class="button" onclick="appendToDisplay('3')">3</button>
93     <button class="button" onclick="appendToDisplay('+')">+</button>
94     <button class="button" onclick="appendToDisplay('00')">00</button>
95     <button class="button" onclick="appendToDisplay('0')">0</button>
96     <button class="button" onclick="appendToDisplay('.')">.</button>
97     <button class="button" onclick="appendToDisplay('=')">=</button>
98     </div></div>
99 </div>
100 </div>
101 <script>
102     let display = document.getElementById('display');
103     function appendToDisplay(value) {
104         if (display.value === '0' && value !== '.') {
105             display.value = value;
106         } else {
107             display.value += value;
108         }
109     }
110     function clearDisplay() {
111         display.value = '0';
112     }
113     function calculateResult() {
114         try {
115             let expression = display.value.replace(/%/g, '/100');
116             let result = eval(expression);
117             display.value = result;
118         } catch (e) {
119             display.value = 'Error';
120         }
121     }
122 </script>
123 </body>
124 </html>

```

OUTPUT:



4. CODE:

.vscode > example23.html > html > head > style > body

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <title>Photo Gallery</title>
6    <style>
7      body {
8        font-family: Arial, sans-serif;
9        background-color: #f0f0f0;
10       margin: 0;
11       padding: 20px;
12     }
13     .header {
14       background-color: rgb(62, 57, 57);
15       color: white;
16       border-top: 5px solid orange;
17       border-radius: 10px 10px 0 0;
18       padding: 10px;
19       text-align: center;
20       width: 95%;
21       margin: 0 auto 20px auto;
22       font-weight: bold;
23     }
24     .gallery-container {
25       background-color: rgb(240, 236, 236);
26       border: 2px solid #201f1f;
27       padding: 20px;
28       width: 800px;
29       margin: 0 auto;
30       border-radius: 10px;
31     }
32     .gallery {
33       display: grid;
34       grid-template-columns: repeat(4, 1fr);
35       gap: 10px;
36     }
37     .photo-box {
```

```
38     width: 100%;
39     aspect-ratio: 1 / 1;
40     border: 2px solid #5a5858;
41     border-radius: 15px;
42     overflow: hidden;
43     background-color: #ebe5e5;
44     display: flex;
45     align-items: center;
```



```

46     justify-content: center;
47 }
48 .photo-box img {
49     max-width: 100%;
50     max-height: 100%;
51     object-fit: cover;
52 }
53 </style>
54 </head>
55 <body>
56     <div class="header">Photo Gallery</div>
57     <div class="gallery-container">
58         <div class="gallery">
59             <div class="photo-box"><img src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAA
67         </div>
68     </div>
69 </body>
70 </html>

```

OUTPUT:

