WEB PROGRAMMING LAB

BCSE203E

SLOT: L11 + L12 + L19 + L20

LAB MANUAL

Exercise 3

Date: 18-01-2025

Stacked Panel: A CSS Layout Exploration

Side-by-Side Panels: A CSS Layout Exploration

Login Page

Navigation Bar – Horizontal

Navigation Bar – Vertical

Display ACER and Projector Info.

[using HTML and CSS]

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GITHUB REPO LINK:

https://github.com/divyanshupatel17/23BAI1214_WEB_LAB

WEB PROG LAB PORTFOLIO:

https://23bai1214-divyanshu-web-lab-portfolio.netlify.app/

WEB PROGRAMMING LAB

Student Details

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Total Exercises	Total Tasks	Last Updated
2	6	1/12/2025

Exercises

Exercise 1	Submitted: 1/10/2025

Exercise Report: View Report

Task No.	Title	Code	Demo
1	LEAVE LETTER	HTML CSS JS	View Demo
2	TABLE LAYOUT	HTML CSS JS	View Demo
3	CHESS BOARD	HTML CSS JS	View Demo

Exercise 2	Submitted: 1/12/2025

Last updated: 1/12/2025

QUE 1. Stacked Panel: A CSS Layout Exploration

```html
        <!-- 1. Stacked Panel: A CSS Layout Exploration -->


<!-- index.html  -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Stacked Panel: A CSS Layout Exploration</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="stacked-panel">
        <div class="panel"></div>
        <div class="panel"></div>
    </div>
</body>
</html>
```
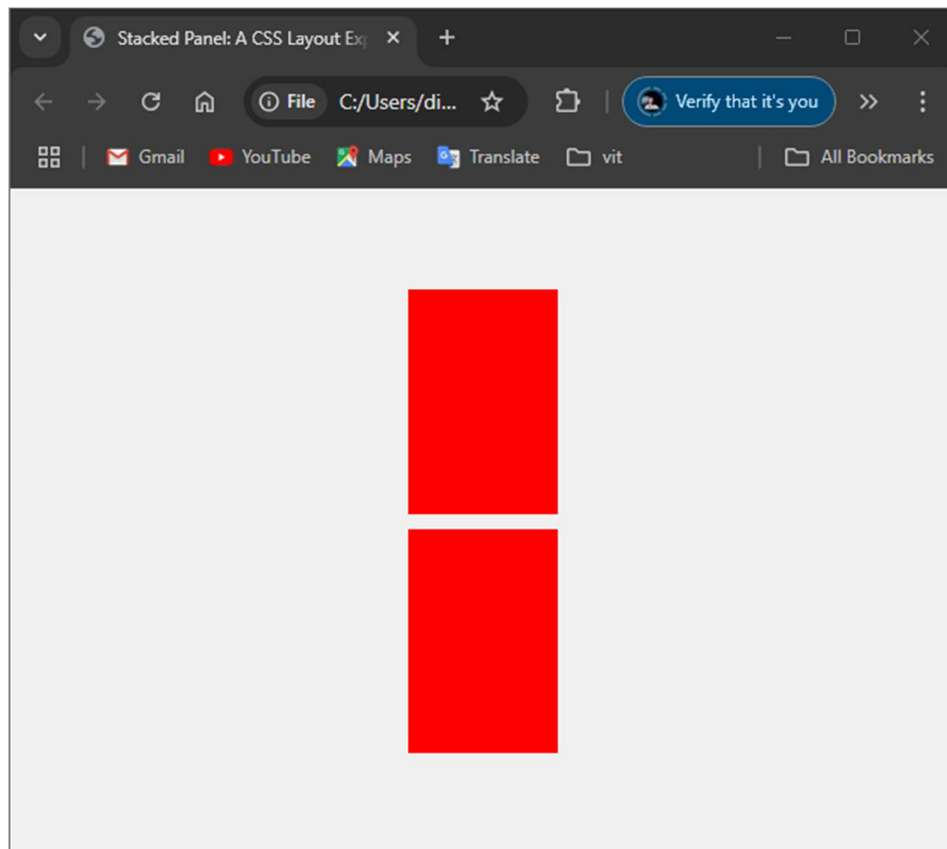
```css
/* styles.css */

body {
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    background-color: #f0f0f0;
}

.stacked-panel {
```

```css
    display: flex;
    flex-direction: column;
    gap: 10px;
}

.panel {
    width: 100px;
    height: 150px;
    background-color: red;
}
```


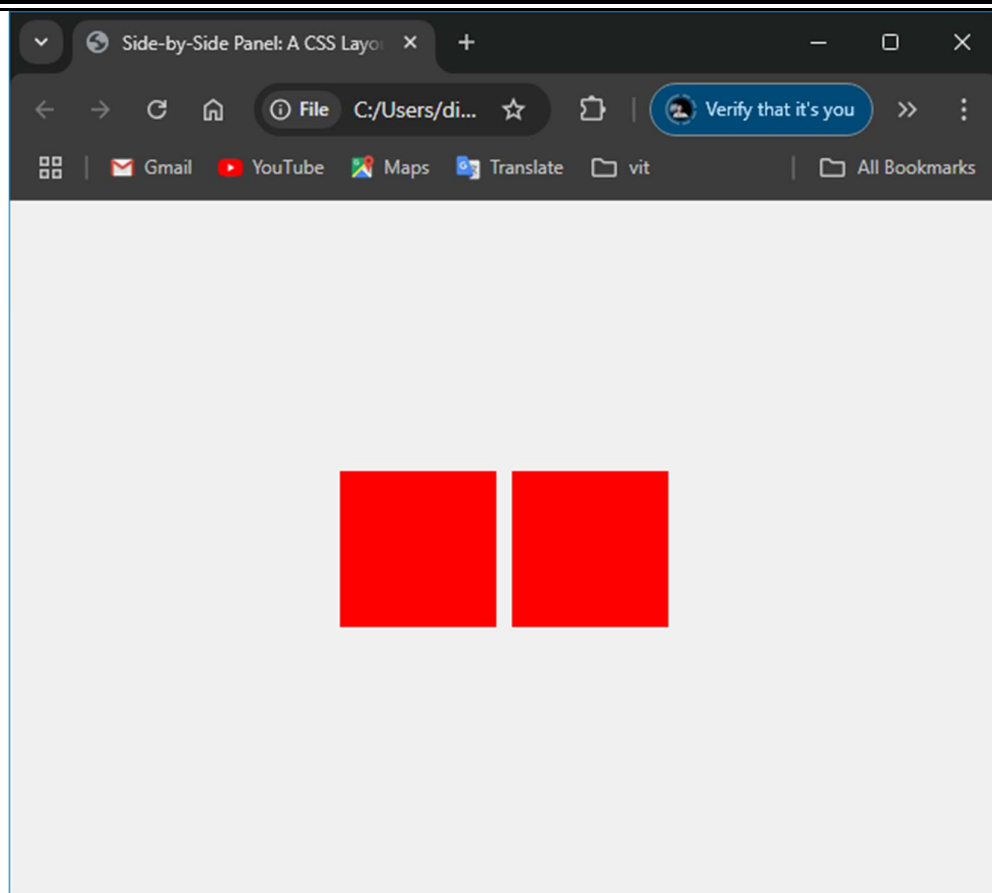## QUE 2. Side-by-Side Panels: A CSS Layout Exploration

https://23bai1214-divyanshu-exercise-3-t-2.netlify.app/

```html
<!-- 2. Side-by-Side Panels: A CSS Layout Exploration -->

<!-- index.html  -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Side-by-Side Panel: A CSS Layout Exploration</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="side-panel">
        <div class="panel"></div>
        <div class="panel"></div>
    </div>
</body>
</html>
```

```css
/* styles.css  */
body {
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    background-color: #f0f0f0;
}

.side-panel {
    display: flex;
    flex-direction: row;
    gap: 10px;
}

.panel {
    width: 100px;
    height: 100px;
    background-color: red;
}
```

QUE 3. Login Page

https://23bai1214-divyanshu-exercise-3-t-3.netlify.app/


```
<!-- 3. Login Page  -->

<!-- index.html  -->
<!DOCTYPE html>
<html lang="en">
<head>
```

```html
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login Page</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="login-container">
        <h2>Login</h2>
        <form>
            <label for="username">Username</label>
            <input type="text" id="username" placeholder="Enter your username" required>

            <label for="password">Password</label>
            <input type="password" id="password" placeholder="Enter your password" re-
quired>

            <button type="submit">Login</button>
            <a href="#" class="forgot-password">Forgot Password?</a>
        </form>
    </div>
</body>
</html>
```

```css
/* styles.css */
/* Background styling */
body {
    margin: 0;
    padding: 0;
    font-family: Arial, sans-serif;
    background-color: #ffc0cb; /* Light pink background */
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
}

/* Login container styling */
.login-container {
    background-color: #ffffff;
    padding: 40px 30px;
    border-radius: 10px;
    box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
    width: 350px;
    text-align: center;
}

/* Heading */
.login-container h2 {
    margin-bottom: 20px;
    color: #333333;
```

```css
}

/* Label styling */
.login-container label {
    display: block;
    text-align: left;
    margin-bottom: 5px;
    font-weight: bold;
    color: #333333;
}

/* Input field styling */
.login-container input[type="text"],
.login-container input[type="password"] {
    width: 100%;
    padding: 10px;
    margin-bottom: 15px;
    border: 1px solid #ccc;
    border-radius: 5px;
    box-sizing: border-box;
}

/* Button styling */
.login-container button {
    width: 100%;
    padding: 10px;
    background-color: #007bff;
    color: #ffffff;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    font-size: 16px;
}

.login-container button:hover {
    background-color: #0056b3;
}

/* Forgot password link */
.login-container .forgot-password {
    display: block;
    margin-top: 15px;
    font-size: 14px;
    color: #007bff;
    text-decoration: none;
}

.login-container .forgot-password:hover {
    text-decoration: underline;
}
```
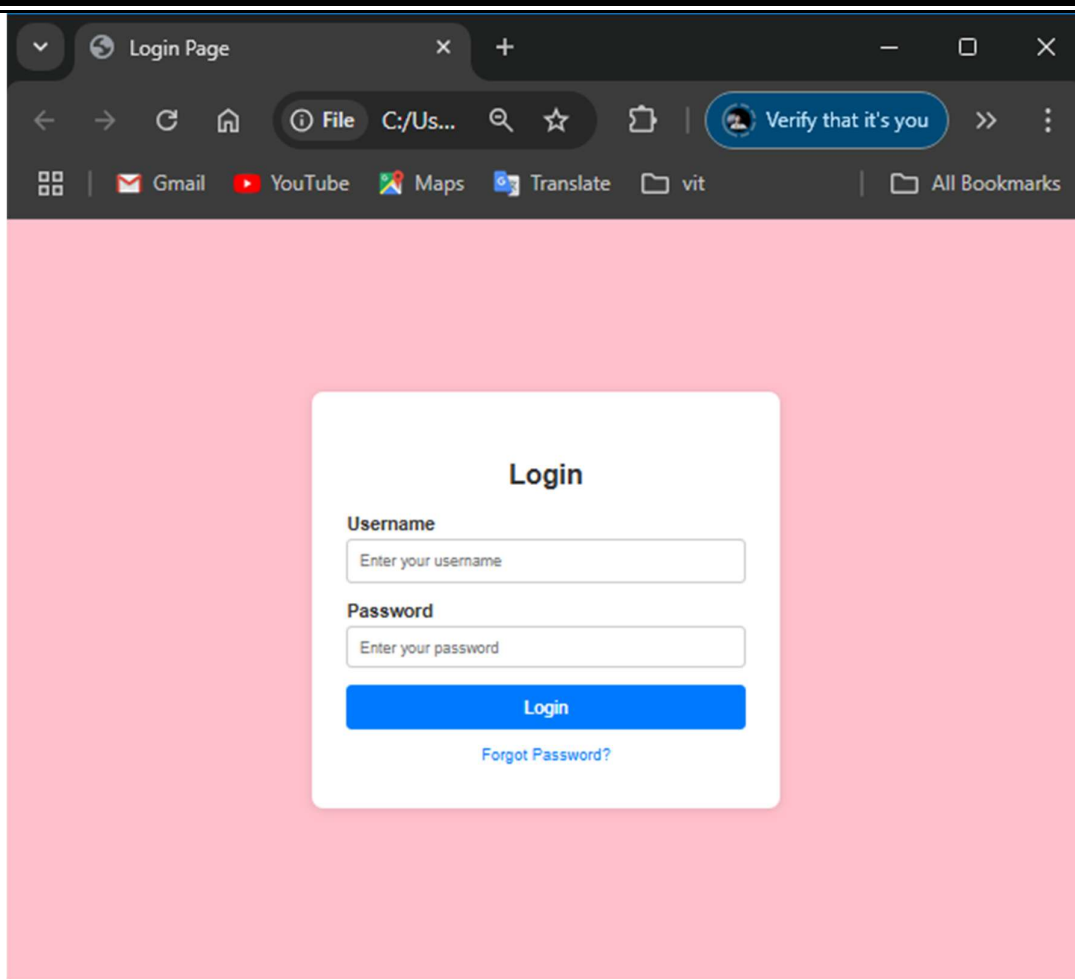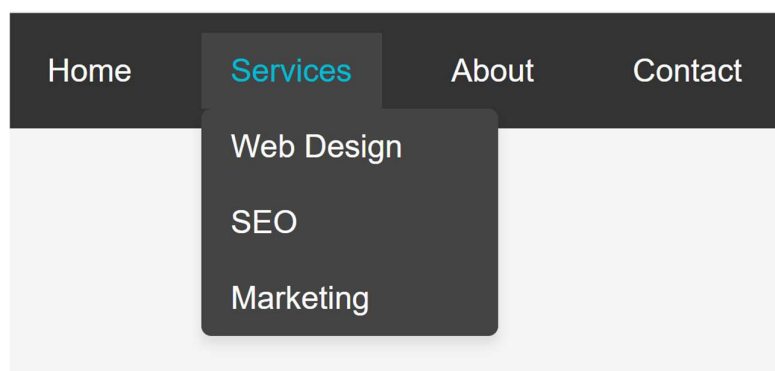
QUE 4. Navigation Bar – Horizontal

https://23bai1214-divyanshu-exercise-3-t-4.netlify.app/


```
<!-- 4. Navigation Bar - Horizontal -->

<!-- index.html  -->
<!DOCTYPE html>
<html lang="en">
<head>
```

```html
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Navigation Menu</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <nav class="navbar">
        <ul class="nav-list">
            <li><a href="#home">Home</a></li>
            <li class="dropdown">
                <a href="#services" class="active">Services</a>
                <ul class="dropdown-content">
                    <li><a href="#web-design">Web Design</a></li>
                    <li><a href="#seo">SEO</a></li>
                    <li><a href="#marketing">Marketing</a></li>
                </ul>
            </li>
            <li><a href="#about">About</a></li>
            <li><a href="#contact">Contact</a></li>
        </ul>
    </nav>
</body>
</html>
```

```css
/* styles.css  */
.navbar {
    background-color: #333;
    padding: 15px 0;
    font-family: Arial, sans-serif;
}

.nav-list {
    list-style: none;
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: flex-start;
    gap: 20px;
    padding-left: 20px;
}

.nav-list li a {
    color: white;
    text-decoration: none;
    font-size: 20px;
    padding: 10px 15px;
}

.active {
    color: #00ffff !important;
}
```

```css
/* Dropdown styles */
.dropdown {
    position: relative;
}

.dropdown-content {
    display: none;
    position: absolute;
    top: 100%;
    left: 0;
    background-color: #444;
    min-width: 180px;
    padding: 10px 0;
    border-radius: 4px;
    box-shadow: 0 2px 5px rgba(0,0,0,0.2);
}

.dropdown-content li {
    padding: 5px 0;
}

.dropdown-content li a {
    color: white;
    padding: 8px 20px;
    display: block;
    font-size: 18px;
}

.dropdown:hover .dropdown-content {
    display: block;
}

.dropdown-content li a:hover {
    background-color: #555;
}

/* Hover effects */
.nav-list li a:hover {
    color: #00ffff;
}
```
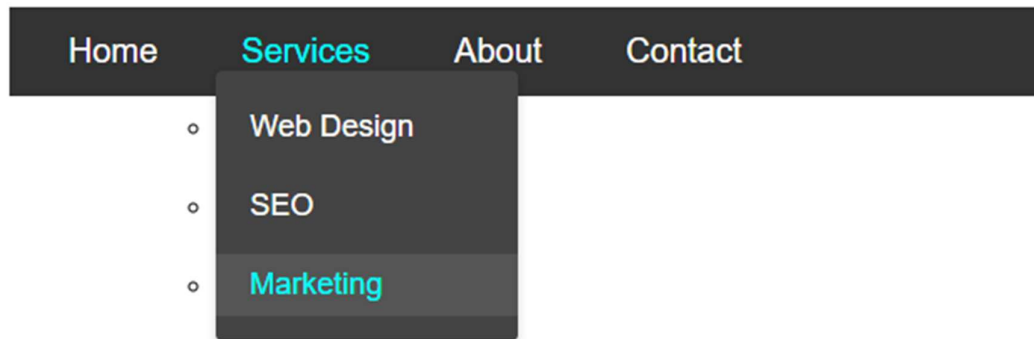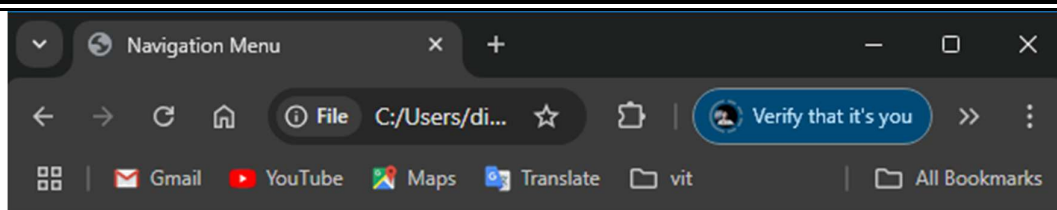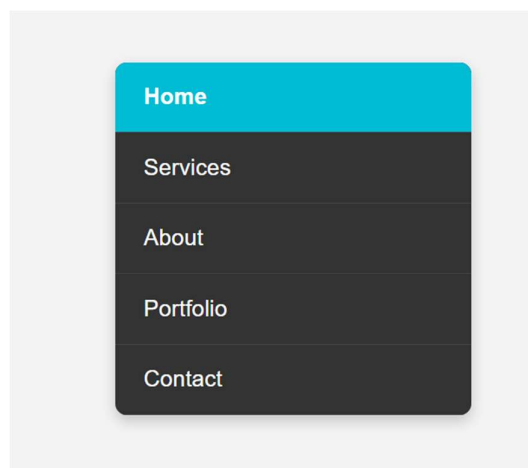
QUE 5. Navigation Bar – Vertical

https://23bai1214-divyanshu-exercise-3-t-5.netlify.app/


```
<!-- 5. Navigation Bar - Vertical -->

<!-- index.html  -->
<!DOCTYPE html>
<html lang="en">
```

```html
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Vertical Navigation Menu</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <nav class="nav-menu">
        <div class="nav-header">
            <a href="#home">Home</a>
        </div>
        <ul class="nav-list">
            <li><a href="#services">Services</a></li>
            <li><a href="#about">About</a></li>
            <li><a href="#portfolio">Portfolio</a></li>
            <li><a href="#contact">Contact</a></li>
        </ul>
    </nav>
</body>
</html>
```

```css
/* styles.css  */
.nav-menu {
    width: 250px;
    background-color: #333;
    border-radius: 10px;
    overflow: hidden;
    box-shadow: 0 4px 8px rgba(0,0,0,0.1);
}

.nav-header {
    background-color: #00c1d4;
    padding: 15px 20px;
}

.nav-header a {
    color: white;
    text-decoration: none;
    font-size: 24px;
    font-weight: bold;
}

.nav-list {
    list-style: none;
    margin: 0;
    padding: 0;
}

.nav-list li {
    border-bottom: 1px solid #444;
}
```
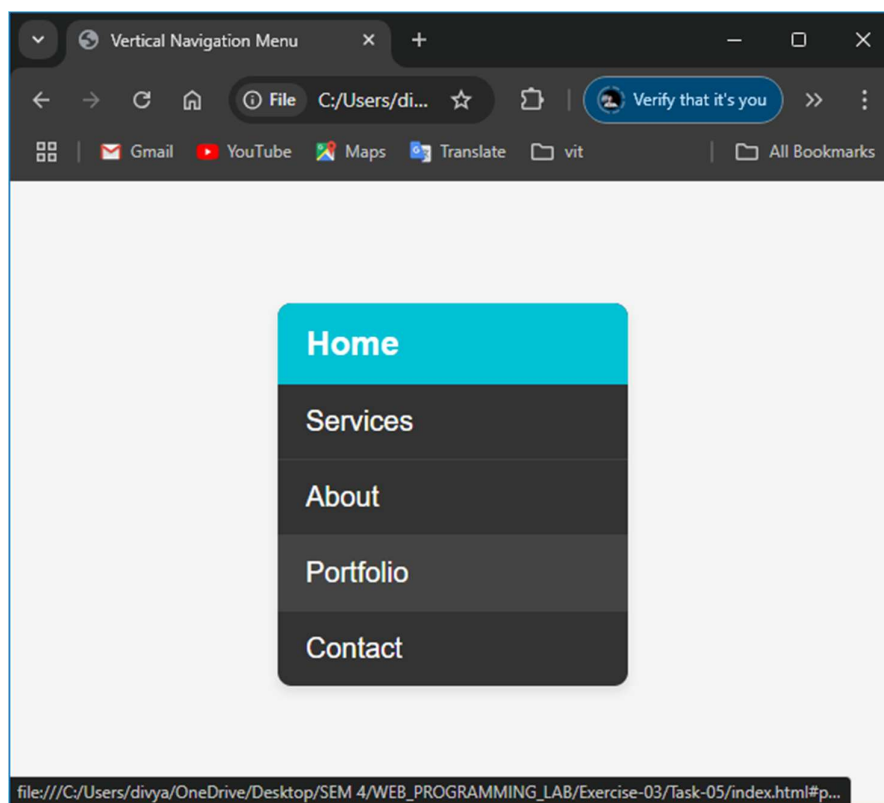
```css
.nav-list li:last-child {
    border-bottom: none;
}

.nav-list li a {
    color: white;
    text-decoration: none;
    padding: 15px 20px;
    display: block;
    font-size: 20px;
    transition: background-color 0.3s ease;
}

.nav-list li a:hover {
    background-color: #444;
}

body {
    display: flex;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
    margin: 0;
    background-color: #f5f5f5;
    font-family: Arial, sans-serif;
}
```

QUE 6. Display ACER and Projector Info

https://23bai1214-divyanshu-exercise-3-t-6.netlify.app/


```html
<!-- 6. Display ACER and Projector Info  -->

<!-- index.html  -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Acer Projector Display</title>
    <link rel="stylesheet" href="styles.css">
    <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@300;400&display=swap" rel="stylesheet">
</head>
<body>
    <div class="projector-screen">
        <div class="logo"><b>acer</b></div>
        <div class="bottom-info">
            <div class="qr-section">
                <img src="qr-scanner.jpg" alt="QR Code" class="qr-code">
                <span class="qr-text">X1223H<br>Projector Information</span>
            </div>
```

```
            <div class="signal-info">
                <img src="hdmi.png" alt="HDMI" class="hdmi-icon">
                <span class="signal-text">No Signal<br>HDMI IN</span>
            </div>
        </div>
    </div>
</body>
</html>


/* styles.css  */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    margin: 0;
    padding: 0;
    min-height: 100vh;
    background-color: #000;
    font-family: 'Roboto', sans-serif;
    overflow: hidden;
}

.projector-screen {
    width: 100vw;
    height: 100vh;
    background-color: #000;
    position: relative;
    display: flex;
    flex-direction: column;
    justify-content: space-between;
    padding: 40px;
}

.logo {
    color: white;
    font-size: 72px;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
    font-style: italic;
    letter-spacing: 2px;
    font-weight: 300;
}

.bottom-info {
    display: flex;
    justify-content: space-between;
    align-items: flex-end;
```

```css
    color: white;
    position: absolute;
    bottom: 40px;
    left: 40px;
    right: 40px;
}

.qr-section {
    display: flex;
    align-items: center;
    gap: 20px;
}

.qr-code {
    width: 80px;
    height: 80px;
    background-color: white;
    padding: 5px;
}

.qr-text {
    line-height: 1.6;
    font-weight: 300;
    font-size: 24px;
}

.signal-info {
    display: flex;
    align-items: center;
    gap: 20px;
}

.hdmi-icon {
    width: 40px;
    height: auto;
    filter: brightness(0) invert(1);
}

.signal-text {
    line-height: 1.6;
    text-align: right;
    font-weight: 300;
    font-size: 24px;
}
```

acer

X1223H
Projector Information

No Signal
HDMI IN