FRONT END UI/UX MINI PROJECT

"Music Band Website"

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Course:
UI/UX Design Fundamentals
Instructor Name: Mr. Dhiraj
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ABSTRACT

This project presents a responsive front-end website for a fictional heavy rock/metal band named *Third Eye*. Built using only HTML5 and CSS3, the site showcases the band's identity, members, tour dates, and gallery. The goal was to create an immersive, visually striking experience that reflects the band's energy and aesthetic. Core technologies include semantic HTML5 structure and modern CSS styling techniques. The final outcome is a fully responsive, accessible, and engaging website suitable for desktop and mobile users.

OBJECTIVES:

- Design a visually compelling and user-friendly band website
- Develop a responsive layout using only HTML and CSS
- Use semantic HTML5 elements for structure and clarity
- Apply CSS for branding, layout, and hover effects
- Ensure readability and accessibility across devices

SCOPE OF THE PROJECT:

- Focused entirely on front-end design No JavaScript or backend integration
- Optimized for desktop, tablet, and mobile viewports
- Used only open-source tools and pure HTML/CSS code
- Includes sections: Hero, About, Members, Tour Dates, Gallery, Contact

TOOLS AND TECHNOLOGIES USED:

TOOL	PURPOSE
HTML5	Markup and content structure
CSS3	Styling and layout management
Notepad	Code editing and management
Chrome Devtools	Testing and responsive debugging

HTML Structure Overview:

- Semantic tags used: <header>,<section>.<footer>
- Sections include: Hero, About, Members, Tour, Gallery, Contact
- Navigation is implicit through scroll-based layout
- Images and content are organized into grids and cards

CSS Styling Strategy:

- External CSS file (`style.css`) linked to HTML
- Organized with comments and modular sections
- Techniques used:
- Flexbox and Grid for layout
- Media Queries for responsiveness
- Hover effects and transitions
- Font integration via Google Fonts
- Dark theme with high contrast colors

KEY FEATURES:

FEATURE	DESCRIPTION
Responsive Design	Adapts seamlessly to all screen sizes
Hero Section	Background image with overlay and band title
Band Member Cards	Flex layout with hover effects and member bios
Tour Table	Styled table with upcoming tour dates
Gallery	Interactive image grid with hover zoom and shadows
Contact Footer	Simple contact info section with email

CHALLENGES FACED AND SOLUTIONS

CHALLENGE	SOLUTION
Image scaling on smaller screens	Used `flex-wrap` and media queries
Font readability in dark theme	Applied high contrast and Google Fonts
Layout alignment issues	Switched to Flexbox and Grid for consistency
Hover effects not working	Refined CSS selectors and transitions

OUTCOME:

- Delivered a clean, immersive, and responsive music band website All sections function as intended using only HTML and CSS
- Learned advanced layout techniques and UI design principles
- Strengthened understanding of visual hierarchy and branding

Future Enhancements

- Add JavaScript for dynamic tour filtering and form validation
- Integrate animations for transitions and gallery effects
- Backend integration for contact form submissions
- Add theme toggler (light/dark mode)

SAMPLE CODE:

HTML CODE:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Third Eye - Music Band</title>
  <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@400;700&family=Metal+Mania&display=swap" rel="stylesheet">
  <!-- Link to external CSS -->
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <!-- Hero Section -->
  <header class="hero">
    <h1>Third Eye</h1>
    <p>Music Beyond the Horizon</p>
  </header>
```

```html
<!-- About -->
<section class="about">
    <h2>About Us</h2>
    <p>Third Eye is a three-piece rock/metal band blending raw energy with melodic storytelling.
    Our sound is a mix of powerful guitar riffs, deep bass lines, and soulful vocals that take listeners on an emotional journey.
    We've performed across the globe, captivating audiences with our passionate live performances.
    From underground gigs to sold-out arenas, we create music that connects people, transcends boundaries,
    and inspires the mind to see beyond the ordinary.</p>
</section>

<!-- Band Members -->
<section class="members">
    <h2>Meet the Band</h2>
    <div class="grid">
        <div class="member-card">
            <img src="images/member1.jpg" alt="Lead Guitarist & Vocalist">
            <h3>Raven Steel</h3>
            <p>Lead Guitarist & Vocalist – The voice and riff master of Third Eye, blending soaring vocals with electrifying solos.</p>
        </div>
        <div class="member-card">
            <img src="images/member2.jpg" alt="Drummer">
            <h3>Blaze Thunder</h3>
            <p>Drummer – The heartbeat of the band, delivering thunderous beats that drive the energy of every performance.</p>
        </div>
        <div class="member-card">
            <img src="images/member3.jpg" alt="Keyboardist">
            <h3>Shadow Keys</h3>
            <p>Keyboardist – Adding depth and atmosphere with haunting melodies and powerful symphonic layers.</p>
        </div>
```

```html
      </div>
    </section>


    <!-- Tour Dates -->
    <section class="tour">
      <h2>Upcoming Tours</h2>
      <table>
        <tr>
          <th>Date</th>
          <th>City</th>
          <th>Venue</th>
        </tr>
        <tr>
          <td>15 Sep 2025</td>
          <td>London</td>
          <td>O2 Arena</td>
        </tr>
        <tr>
          <td>30 Sep 2025</td>
          <td>Berlin</td>
          <td>Mercedes-Benz Arena</td>
        </tr>
        <tr>
          <td>10 Oct 2025</td>
          <td>Tokyo</td>
          <td>Nippon Budokan</td>
        </tr>
      </table>
    </section>

    <!-- Gallery -->
    <section class="gallery">
      <h2>Gallery</h2>
      <div class="grid">
        <img src="images/gallery1.jpg" alt="Live Performance">
        <img src="images/gallery2.jpg" alt="Band Members">
        <img src="images/gallery3.jpg" alt="Concert Crowd">
```
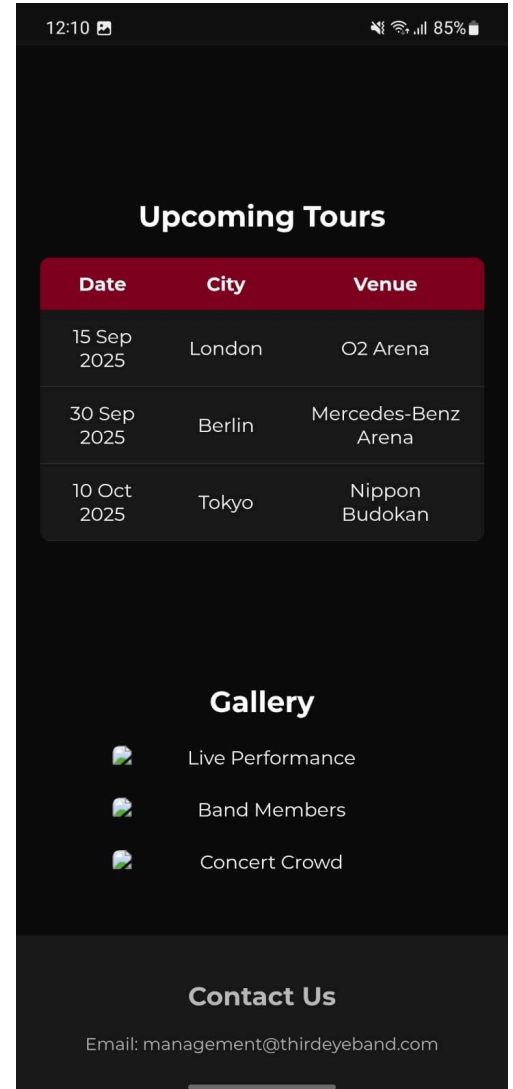
```html
        </div>
    </section>


    <!-- Contact -->
    <footer class="footer">
        <h2>Contact Us</h2>
        <p>Email: management@thirdeyeband.com</p>
    </footer>
</body>
</html>
```

CSS CODE:

```css
body {
    font-family: 'Montserrat', sans-serif;
    margin: 0;
    background: #0d0d0d;
    color: #fff;
    text-align: center;
}
.hero {
    background: url('images/hero-bg.jpg') center/cover no-repeat;
    padding: 100px 20px;
    text-shadow: 2px 2px 8px rgba(0,0,0,0.8);
}
.hero h1 {
    font-family: 'Metal Mania', cursive;
    font-size: 4rem;
    font-weight: 700;
    text-transform: uppercase;
}
.hero p {
    font-size: 1.3rem;
    margin-top: 10px;
```

```css
    color: #ddd;
}
.about, .tour, .gallery, .members {
    padding: 50px 20px;
}
.about p {
    max-width: 800px;
    margin: auto;
    line-height: 1.6;
    color: #ccc;
}
.tour table {
    margin: auto;
    border-collapse: collapse;
    background: rgba(255,255,255,0.05);
    border-radius: 8px;
    overflow: hidden;
}
.tour th {
    background: #800020;
    padding: 12px 20px;
}
.tour td {
    padding: 12px 20px;
    border-bottom: 1px solid rgba(255,255,255,0.1);
}
.gallery .grid, .members .grid {
    display: flex;
    justify-content: center;
    flex-wrap: wrap;
    gap: 20px;
}
.gallery img, .members img {
    width: 250px;
    border-radius: 8px;
    transition: transform 0.3s ease, box-shadow 0.3s ease;
    border: 2px solid transparent;
```
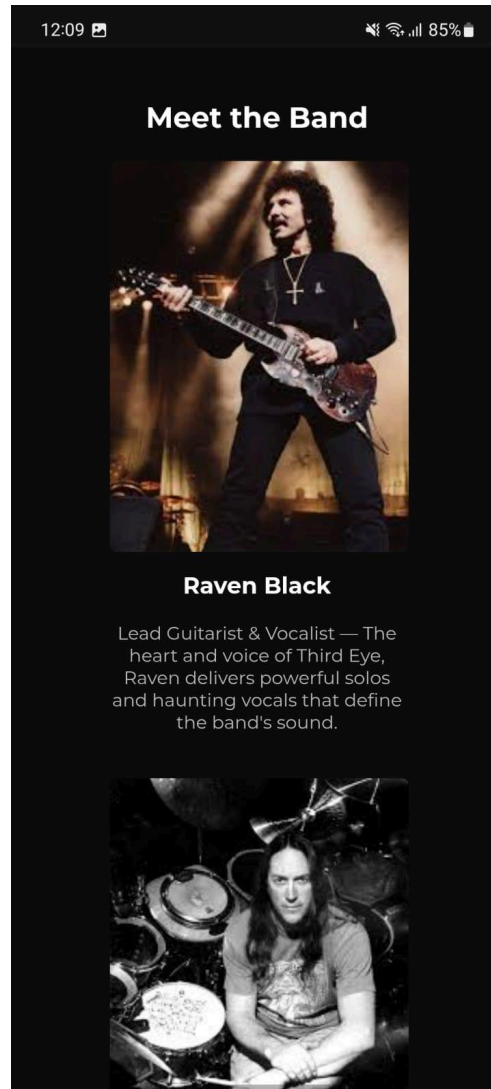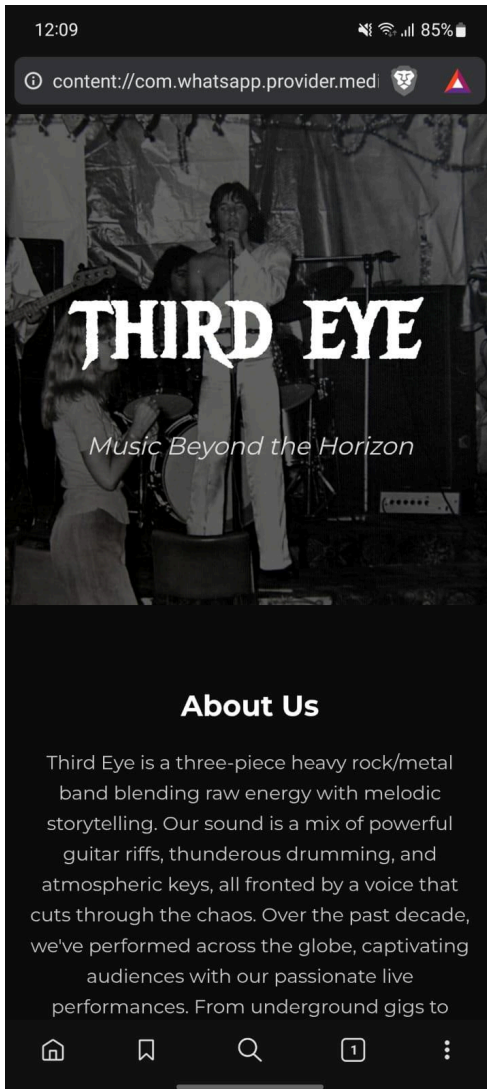
```css
}
.gallery img:hover, .members img:hover {
    transform: scale(1.05);
    border-color: #800020;
    box-shadow: 0 4px 15px rgba(128,0,32,0.5);
}
.member-card {
    max-width: 250px;
    text-align: center;
}
.member-card h3 {
    font-family: 'Metal Mania', cursive;
    margin-top: 10px;
    font-size: 1.5rem;
    color: #ffcc00;
}
.member-card p {
    font-size: 0.9rem;
    color: #ccc;
    margin-top: 5px;
}
.footer {
    background: #1a1a1a;
    padding: 20px;
    font-size: 0.9rem;
    color: #bbb;
}
```
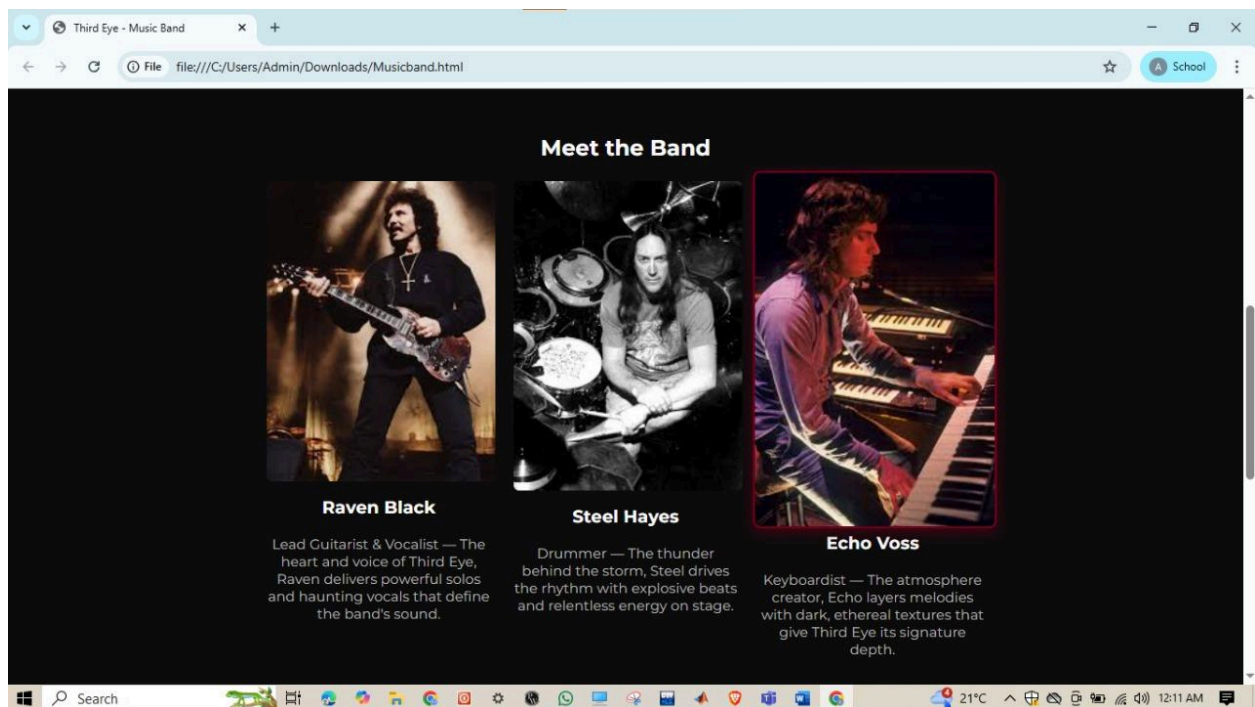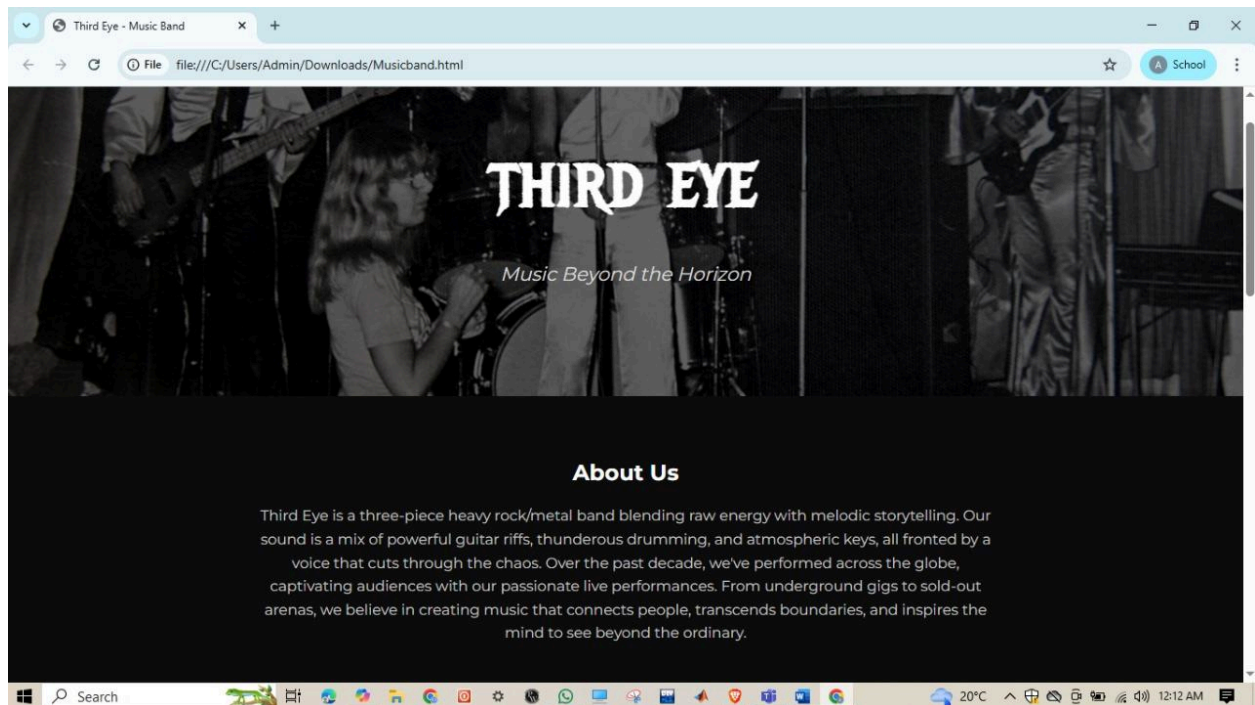
SCREENSHOTS OF THE WEBSITE:

MOBILE VIEW:

DESKTOP VIEW:

CONCLUSION

This project showcases a fictional music band through a responsive and visually engaging website. It helped me apply front-end development skills using only HTML and CSS, while exploring layout structuring, typography, and user experience principles. The hands-on experience deepened my understanding of UI/UX design and responsive web development.

REFERENCES

- L&T LMS:
  https://learn.lntedutech.com/Landing/MyCourse
- Images: Google