Front-End UI/UX Mini Project

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1. Title Page

Project Title: Music Band Website

Submitted By:

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Course: LnT Front End UI/UX

Instructor Name: Mr.Dhiraj Atale

Institution: Christ University

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2. Abstract

This project is a visually engaging and responsive band website for "Crimson Voltage," created using only HTML5 and CSS3. The goal was to present the band's profile, music albums, gallery, and contact details in a modern and appealing layout. The website focuses on clean UI, thematic color palettes, responsive design, and accessibility. The outcome is a fully functional, non-dynamic front-end project that reflects the energetic style of a rock band and serves as a digital presence to engage fans.

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3. Objectives

- Design a visually striking interface representing the band's theme.
- Create a responsive layout adaptable to all devices.
- Present structured content using semantic HTML5 tags.

- Apply consistent branding through CSS styles.
- Ensure ease of navigation and readability.

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4. Scope of the Project

- Front-end design only; no JavaScript or backend features.
- Optimized for desktop, tablet, and mobile devices.
- Pure HTML5 and CSS3 code without external libraries.
- Content includes About section, Music albums, Gallery, and Contact form.

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5. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Markup and structure
CSS3	Styling and layout management
VS Code	Code editor
Chrome DevTools	Testing and debugging

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6. HTML Structure Overview

- Semantic tags: <header>, <nav>, <section>, <footer>.
- Sections: About, Music, Gallery, Contact.
- Navigation menu with anchor links.
- Responsive member and album display using flexbox.

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7. CSS Styling Strategy

- Internal CSS within <style> tag.
- Thematic dark background with contrasting yellow and red accents.
- Flexbox for layout alignment.
- Media queries for responsiveness.
- Hover effects for navigation links and buttons.

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8. Key Features

Feature	Description
Thematic Branding	Rock-inspired colors and textures.
Responsive Layout	Works on desktop, tablet, and mobile.
Album Showcases	Clickable album covers with tracklists.
Gallery with Captions	Event highlights with descriptive captions.
Contact Form	Placeholder form for user queries.

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9. Challenges Faced & Solutions

Challenge	Solution
Maintaining readability on dark backgrounds	Used high-contrast color schemes.
Responsive arrangement of members and albums	Applied flexbox with media queries.
Consistent branding across all sections	Created a CSS color palette for reusability.

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10. Outcome

The final project is a responsive, static HTML/CSS band website that effectively represents the band's image. It successfully integrates visual branding, structured layout, and accessibility, making it a professional and engaging online presence.

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11. Future Enhancements

- Add JavaScript-based interactivity.
- Integrate audio previews and embedded music players.
- Implement backend for functional contact forms.
- Add animations for enhanced user experience.

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12. Sample Code

1.
```
<div class="member-item">
  <img src="images/member1.jpg" alt="Member 1" />
  <div class="member-info">
    <h3>Alex “The Riff” Johnson – Lead Guitar</h3>
    <p>Master of electrifying solos and face-melting riffs. Alex shreds through the silence and lights up every stage.</p>
  </div>
</div>
```

This snippet displays an individual band member’s profile, including their image, name, and description. It is part of the “Meet the Members” section.

2.
```
<div class="album">
  <a href="https://open.spotify.com/album/2Y9IRtehByVkegoD7TcLfi" target="_blank">
    <img src="images/album1.jpg" alt="Voltage Rising" />
  </a>
  <div class="album-title">Voltage Rising</div>
  <p class="album-desc">
    The debut powerhouse album that set the stage for Crimson Voltage’s electrifying journey.
  </p>
  <ul class="tracklist">
    <li>Intro: Sparks in the Dark</li>
    <li>Voltage Rising</li>
    <li>Neon Storm</li>
  </ul>
```

This code displays a single album entry with a clickable album cover, title, description, and a brief tracklist.

```
3..album {
    background: #1a1a1a;
    border-radius: 10px;
    width: 300px;
    box-shadow: 0 2px 12px rgba(0,0,0,0.7);
    overflow: hidden;
    padding-bottom: 15px;
}
.album img {
    width: 100%;
    height: 300px;
    object-fit: cover;
    display: block;
}
.album-title {
    padding: 12px;
    font-weight: bold;
    color: #fdd835;
    font-size: 1.3em;
    text-align: center;
    border-bottom: 2px solid #e52d27;
}
```

This CSS snippet defines the design for an album card, controlling its layout, colors, shadows, and typography to maintain a consistent rock-themed aesthetic.

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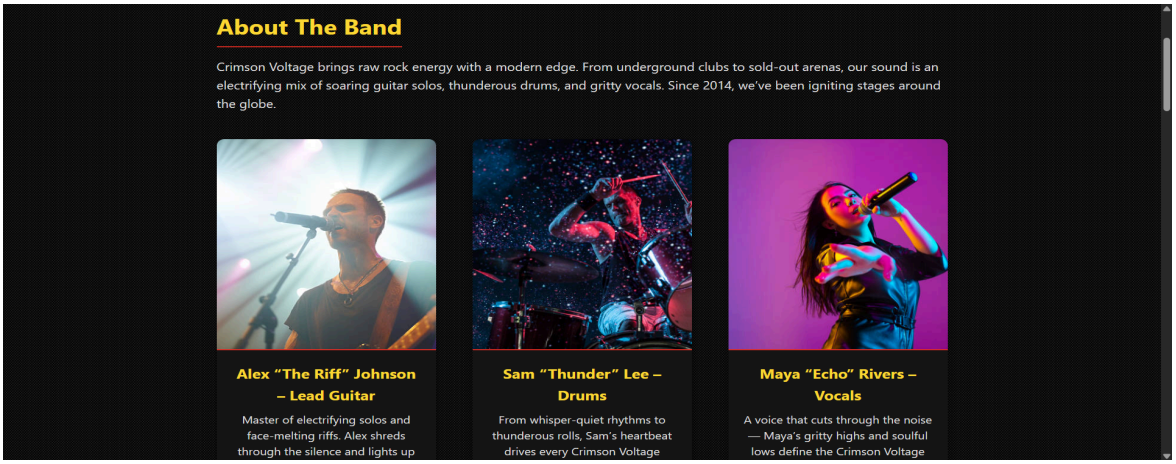
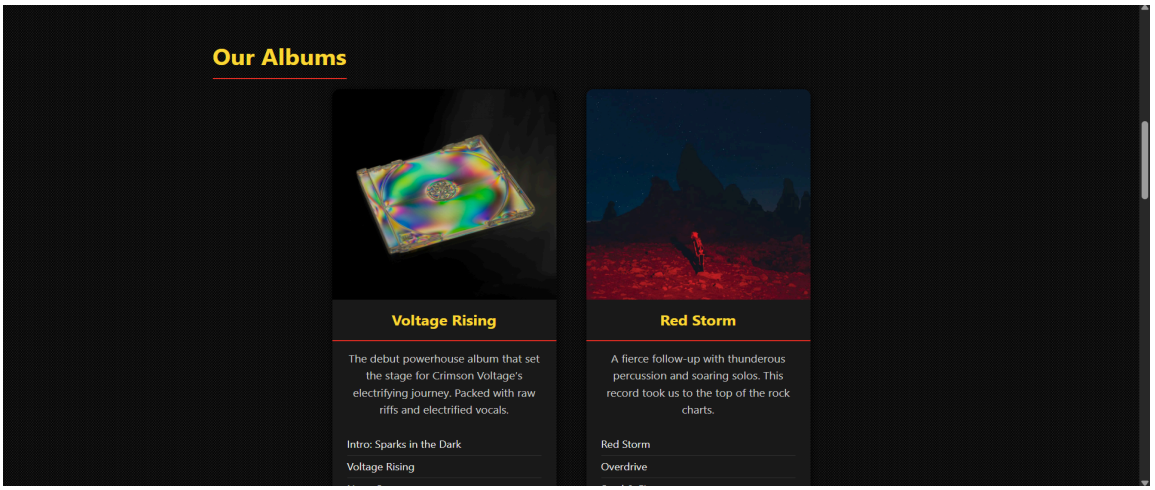
13. Screenshots of Final Output

Header section:

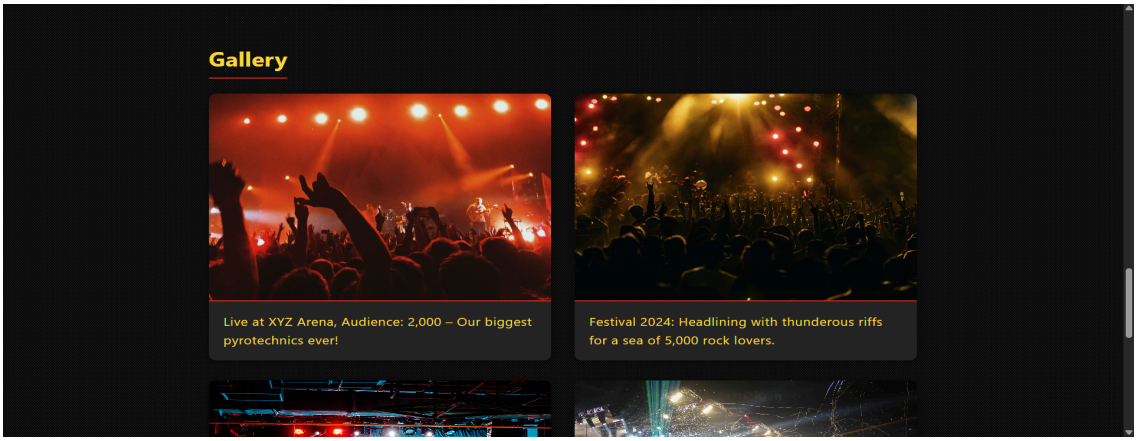
About the Band:



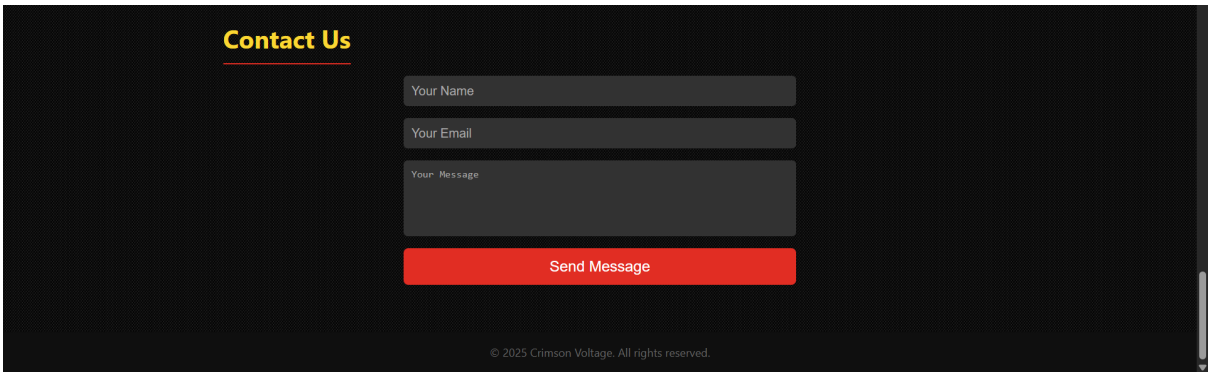
Our Albums:



Gallery:



Contact:



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14. Conclusion

The Crimson Voltage website project successfully captures the band's energetic personality through thoughtful UI design and a responsive structure. This project enhanced my skills in HTML and CSS while deepening my understanding of thematic branding, content structuring, and responsive design principles.

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15. References

- W3Schools HTML & CSS Documentation
- L&T LMS : https://learn.lntedutech.com/Landing/MyCourse