

## Front-End UI/UX Mini Project

# MUSIC FESTIVAL WEBSITE

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- Course: *UI/UX Design Fundamentals*
- Instructor Name: *Mr:Dhiraj Alate*
- Institution: *Christ University*
- Date of Submission: *26/09/2025*

## 2. Abstract

This project is about creating a responsive and interactive **Music Festival Website**. The key goal is to provide users with festival information, artist lineup, event schedule, and an integrated ticket booking system. Core technologies used are **HTML, CSS, Bootstrap, JavaScript, and jQuery**. The final outcome is a dynamic, user-friendly platform that enhances user engagement, simplifies ticket booking, and ensures accessibility across devices.

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## 3. Objectives

- Design a visually appealing and engaging festival website.
  - Provide an interactive **artist lineup** and **event schedule**.
  - Implement **Bootstrap** for responsive design.
  - Integrate a **ticket booking modal form** with persistent storage.
  - Ensure **smooth navigation** and **cross-device compatibility**.
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## 4. Scope of the Project

- Focused on **front-end web development** only.
  - Includes **hero section, lineup, schedule, artist bios, and booking form**.
  - No backend integration (static project, no real payment gateway).
  - Works seamlessly on **desktop, tablet, and mobile devices**.
  - Uses only **open-source tools** and frameworks.
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## 5. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling, branding, and layout
Bootstrap 4	Responsive layout and UI components
JavaScript (ES6)	Interactivity & booking logic
jQuery	Smooth scrolling & DOM manipulation
Local Storage	Persistent booking storage
VS Code	Code editor
Chrome Dev Tools	Testing and debugging

## 6. HTML Structure Overview

- Used semantic HTML5 tags: <header>, <section>, <footer>.
  - Divided into sections: **Hero**, **Lineup**, **Schedule**, **Tickets**, **Footer**.
  - Bootstrap grid system used for layout.
  - Modals used for **artist bios** and **ticket booking**.
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## 7. CSS Styling Strategy

- External file styles.css with structured sections.
  - Background images and **text shadows** for hero banner.
  - **Rounded artist images** with Bootstrap classes.
  - Custom styling for **tables** and **buttons**.
  - Ensured **mobile-first responsive design** with Bootstrap utilities.
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## 8. Key Features

Feature	Description
Hero Section	Festival title, background image, and CTA button
Artist Lineup	Grid of artists with images, times, and modals
Event Schedule	Bootstrap table with performance details
Ticket Booking	Modal form with name, email, and ticket count
Persistent Booking	Saves booking info in localStorage
Responsive Design	Optimized for all screen sizes
Feature	Description

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## 9. Challenges Faced & Solutions

Challenge	Solution
Ticket booking button was static	Implemented <b>Bootstrap modal form</b> with JS logic
Responsiveness issues on small screens	Used <b>Bootstrap grid &amp; utilities</b>
Maintaining booking state after refresh	Integrated <b>localStorage persistence</b>
Smooth navigation between sections	Implemented <b>jQuery scroll animation</b>

## 10. Outcome

The project successfully delivered a **responsive, interactive festival website** with lineup details, schedule, and a ticket booking system. The booking feature enhances usability by allowing users to reserve tickets and view stored booking details even after refreshing the page.

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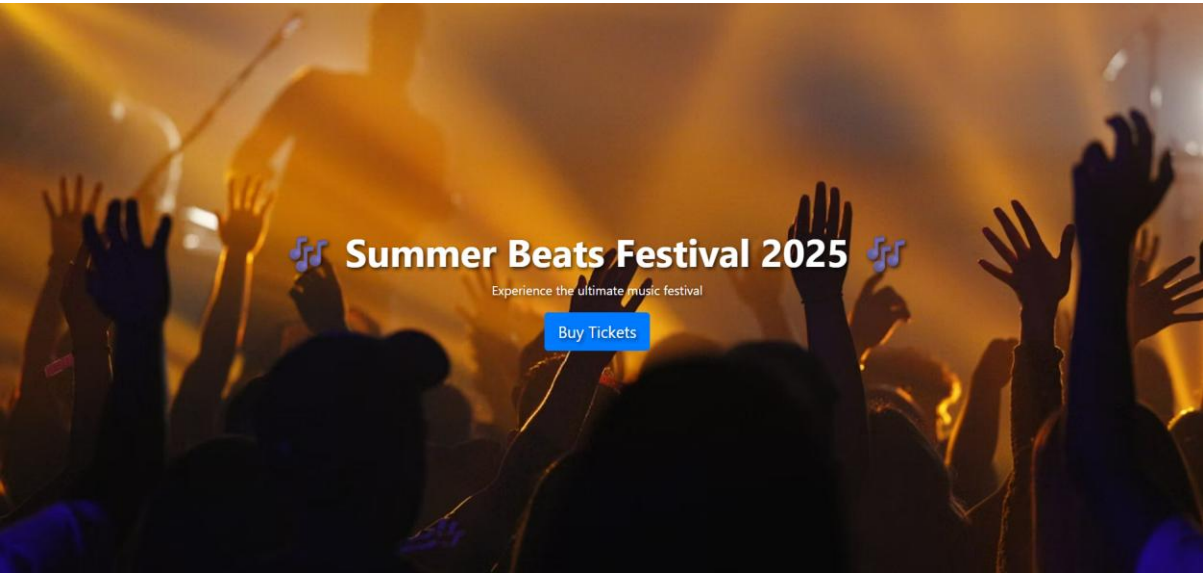
## 11. Future Enhancements

- Add **payment gateway integration** (Stripe/Razorpay).
  - Include **multi-day festival schedule** with filters.
  - Add **gallery and highlights** section.
  - Create an **admin dashboard** to view/manage bookings.
  - Implement **dark/light mode toggle**.
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## 12. Sample Code (Ticket Booking Form & Script)

```
1  <!-- Ticket Booking Modal -->
2  <div class="modal fade" id="ticketModal">
3    <div class="modal-dialog">
4      <div class="modal-content">
5        <form id="ticketForm">
6          <div class="form-group">
7            <label>Name</label>
8            <input type="text" id="name" class="form-control" required>
9          </div>
10         <div class="form-group">
11           <label>Email</label>
12           <input type="email" id="email" class="form-control" required>
13         </div>
14         <div class="form-group">
15           <label>Tickets</label>
16           <select id="tickets" class="form-control">
17             <option>1</option><option>2</option>
18           </select>
19         </div>
20         <button type="submit" class="btn btn-primary">Confirm Booking</button>
21       </form>
22     </div>
23   </div>
24 </div>
25 // Save booking in localStorage
26 $("#ticketForm").submit(function(e){
27   e.preventDefault();
28   let booking = {
29     name: $("#name").val(),
30     email: $("#email").val(),
31     tickets: $("#tickets").val()
32   }
33   // Save to localStorage
34   localStorage.setItem('bookings', JSON.stringify(booking));
35 });
```

13.Screenshots of final output



Artist Lineup



DJ Electro  
8:00 PM - Main Stage

More Info



Rock Band  
6:00 PM - Rock Arena

More Info



Pop Diva  
9:30 PM - Main Stage

More Info

Event Schedule

Day	Stage	Artist	Time
Day 1	Main Stage	DJ Electro	8:00 PM
Day 1	Rock Arena	Rock Band	6:00 PM
Day 1	Main Stage	Pop Diva	9:30 PM
Day 1	Rock Arena	Rock Band	6:00 PM
Day 1	Main Stage	Pop Diva	9:30 PM

Tickets

Book your passes now and join us for the biggest music event of the year!

Book Tickets

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## 13. Conclusion

The **Music Festival Website** project strengthened front-end skills with HTML, CSS, Bootstrap, and JavaScript. It taught how to design engaging UIs, manage responsiveness, and integrate interactivity with persistent storage. This hands-on project demonstrates how front-end technologies can create a practical, user-friendly platform.

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## 14. References

- Bootstrap Documentation – <https://getbootstrap.com/>
  - jQuery Documentation – <https://jquery.com/>
  - MDN Web Docs – <https://developer.mozilla.org/>
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