

Music Festival Website

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Abstract

The Music Festival Website is a responsive, front-end web application that promotes a fictional festival. It enables users to view event schedules, meet the artist lineup, learn about performers, and check ticket information in an engaging, mobile-friendly format.

Objective

- To create a visually appealing and interactive website for promoting a music festival.
- To provide easy access to lineup, schedule, artist details, and ticket options for attendees.

Scope of the Project

- Showcases artists, their bios, and event schedule.
- Presents ticket information and booking prompts.
- Focuses on a fully responsive design to ensure usability on mobile and desktop platforms.
- Built as a static front-end application for demonstration; suitable for educational or promotional projects.

Tools and Technologies Used

- **HTML5** - Page structure and markup.
- **CSS3 & Bootstrap 4** - Styling and responsive layout.
- **JavaScript & jQuery** - Interactive modals and dynamic content.

HTML Structure

- index.html: Contains the hero section, artist lineup grid, ticket info, and artist modal code.
- schedule.html: Hosts the day-wise schedule in a clear table/list format.
- Semantic tags (<section>, <div>, <nav>) organize content for clarity and accessibility.

CSS Styling Strategy

- **Bootstrap** classes handle layout, grid, spacing, and buttons for rapid responsiveness.
- Custom styles in styles.css enhance branding, card hover effects, and modal appearance.
- Media queries add fine-tuned adjustments for mobile devices.

JavaScript Structure

- Core logic is placed in script.js.
- An artist info object holds bios and performance data.
- jQuery event handler displays the correct artist details in a Bootstrap modal when a card is clicked.

Key Features

- Hero section with festival branding and navigation buttons.
- Lineup grid with clickable artist cards.
- Artist bio displayed in modal pop-ups.
- Separate schedule page with event details.
- Ticket section with booking prompt.
- Fully responsive layout optimized for mobile users.

Challenges Faced and Solutions

- **Challenge:** Ensuring modal popups populated correct artist data across all devices.
 - **Solution:** Used dynamic event handling with jQuery, referencing artist IDs and centralized data objects.
- **Challenge:** Achieving flawless responsiveness on diverse screen sizes.
 - **Solution:** Leveraged Bootstrap grid, media queries, and thorough device testing.
- **Challenge:** Managing placeholder images without copyright issues.
 - **Solution:** Used free placeholder image services and custom demo assets.

Outcome

The resulting website provides a professional, engaging festival experience, presenting all critical event details in an accessible and attractive format. It demonstrates good front-end design practices and is easy to update with new event or artist data.

Future Enhancement

- Integrate a backend (Node.js, PHP, etc.) for dynamic schedule and artist management.
- Add real ticket purchasing with payment gateway.
- Include filter/search for artists by stage or genre.
- Add user login, news or media gallery, and contact forms.

Code

HTML: index

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>RhythmFest 2025</title>

  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min
. css">

  <link rel="stylesheet" href="css/styles.css">

</head>

<body>

  <!-- Hero Section -->

  <section class="jumbotron text-center bg-dark text-white">

    <h1 class="display-4">RhythmFest 2025</h1>

    <p class="lead">Join the ultimate celebration of music, culture, and
fun!</p>

    <a href="#lineup" class="btn btn-warning btn-lg">See Lineup</a>

    <a href="schedule.html" class="btn btn-success btn-lg">Event
Schedule</a>
```

```
    <a href="#tickets" class="btn btn-danger btn-lg">Buy Tickets</a>
</section>
```

```
<!-- Lineup Section -->
```

```
<section id="lineup" class="container my-5">
```

```
    <h2 class="mb-4 text-center">Artist Lineup</h2>
```

```
    <div class="row" id="artistGrid">
```

```
        <!-- Artist cards: Content injected via JS for demo, or code directly -->
```

```
        <div class="col-md-4 col-sm-6 mb-4">
```

```
            <div class="card artist-card" data-toggle="modal"
datatarget="#artistModal" data-artist="1">
```

```
                
```

```
                <div class="card-body text-center">
```

```
                    <h5 class="card-title">ED SHEERAN</h5>
```

```
                    <p>8:00 PM, Main Stage</p>
```

```
                </div>
```

```
            </div>
```

```
        </div>
```

```
        <div class="col-md-4 col-sm-6 mb-4">
```

```
            <div class="card artist-card" data-toggle="modal"
datatarget="#artistModal" data-artist="2">
```

```
                
```

```
                <div class="card-body text-center">
```

```
                    <h5 class="card-title">JUSTIN BEIBER</h5>
```

```
<p>6:30 PM, Indie Stage</p>
</div>
</div>
</div>
<div class="col-md-4 col-sm-6 mb-4">
  <div class="card artist-card" data-toggle="modal"
datatarget="#artistModal" data-artist="3">
    
    <div class="card-body text-center">
      <h5 class="card-title">TALYOR SWIFT</h5>
      <p>10:00 PM, Electronica</p>
    </div>
  </div>
</div>
<!-- Add more artists as needed -->
</div>
</section>

<!-- Ticket Section -->
<section id="tickets" class="container text-center my-5">
  <h2>Buy Tickets</h2>
  <p>Starting at ₹999. Book your pass now for the biggest night of
music!</p>
```

```
<button class="btn btn-primary" onclick="alert('Ticket booking modal  
can be implemented here!')">Book Now</button>
```

```
</section>
```

```
<!-- Artist Bio Modal -->
```

```
<div class="modal fade" id="artistModal" tabindex="-1"  
aria-labelledby="artistModalLabel" aria-hidden="true">
```

```
<div class="modal-dialog">
```

```
<div class="modal-content">
```

```
<div class="modal-header">
```

```
<h5 class="modal-title" id="artistModalLabel">Artist Bio</h5>
```

```
<button type="button" class="close"  
data-dismiss="modal">&times;</button>
```

```
</div>
```

```
<div class="modal-body" id="artistModalBody">
```

```
<!-- Content is loaded dynamically using JS -->
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<!-- Scripts -->
```

```
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
```

```
<script  
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
```



```
"></script>

<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js
" ></script>

<script src="js/script.js"></script>

</body>

</html>
```

JavaScript:

```
const artists = {
  1: {      name: "DJ
Sonic",
    bio: "A world-renowned EDM artist bringing high energy
and unforgettable beats to the main stage.",    img:
"images/artist1.jpg",    time: "8:00 PM, Main Stage"
  },
  2: {      name: "Indie
Vibes",
    bio: "Up-and-coming indie band known for their soulful lyrics and vibrant
performances.",    img: "images/artist2.jpg",    time: "6:30 PM, Indie
Stage"
  },
  3: {
    name: "EDM Beat",
    bio: "Famous for mixing electronic rhythms with live instruments for a
```

```
unique experience.",    img:
"images/artist3.jpg",    time:
"10:00 PM, Electronica"
    }
    // Add more artists here
};
```

```
$('#artistModal').on('show.bs.modal', function (event)
{
    const card = $(event.relatedTarget);    const
artistId = card.data('artist');    const artist =
artists[artistId];    if (artist) {
        $('#artistModalLabel').text(artist.name);
        $('#artistModalBody').html(`
            
            <p><strong>Performance:</strong> ${artist.time}</p>
            <p>${artist.bio}</p>
        `);
    }
});
```

CSS:

```
.jumbotron { background-image:
url('../images/logo.png'); background-
repeat: no-repeat; background-size: 120px
120px; background-position: center top;
padding-top: 2.5rem; margin-bottom: 0;
} .artist-card { cursor:
pointer; transition:
transform 0.2s;
}
.artist-card:hover {
transform: scale(1.04);
}
@media (max-width: 576px)
{ .jumbotron {
padding-top: 1.5rem;
}
}
```

HTML:schedule

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>RhythmFest 2025 | Schedule</title>

  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min
. css">

  <link rel="stylesheet" href="css/styles.css">

</head>

<body>

  <div class="container my-5">

    <h2 class="text-center mb-4">Festival Schedule</h2>

    <a href="index.html" class="btn btn-secondary mb-4">Back to
Home</a>

    <div class="row">

      <div class="col-md-6 mb-4">

        <h4>Day 1 - 26 Sept 2025</h4>

        <ul class="list-group">

          <li class="list-group-item"><strong>6:00 PM, Indie
Stage:</strong> Indie Vibes</li>

          <li class="list-group-item"><strong>8:00 PM, Main
Stage:</strong> DJ Sonic</li>

        </ul>

      </div>

    </div>

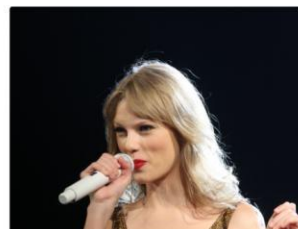
  </div>
```

```
</div>
<div class="col-md-6 mb-4">
  <h4>Day 2 - 27 Sept 2025</h4>
  <ul class="list-group">
    <li class="list-group-item"><strong>6:30 PM, Indie
Stage:</strong> Indie Vibes</li>
    <li class="list-group-item"><strong>10:00 PM,
Electronica:</strong> EDM Beat</li>
  </ul>
</div>
</div>
</div>
</body>
</html>
```

Output



Artist Lineup





ED SHEERAN

8:00 PM, Main Stage



JUSTIN BEIBER

6:30 PM, Indie Stage



TALYOR SWIFT

10:00 PM, Electronica

Buy Tickets

Starting at ₹999. Book your pass now for the biggest night of music!

Book Now

Artist Lineup



ED SHEERAN

8:00 PM, Main Stage



JUSTIN BEIBER

6:30 PM, Indie Stage



TALYOR SWIFT

10:00 PM, Electronica

Festival Schedule

Back to Home

Day 1 - 26 Sept 2025

6:00 PM, Indie Stage: Indie Vibes

8:00 PM, Main Stage: DJ Sonic

Day 2 - 27 Sept 2025

6:30 PM, Indie Stage: Indie Vibes

10:00 PM, Electronica: EDM Beat

Conclusion

This Music Festival Website successfully combines modern web development technologies to deliver an interactive, visually appealing, and responsive promotional tool. The project demonstrates how easily accessible tools and libraries can be used to build effective event websites, and offers a strong foundation for future enhancements and real-world application.