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

```html
<!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">
    <img src="black-mic-loudspeakers-vector-illustration-vintage-promotional-logo-concert-music-festival_74855-10591.png" alt="Festival Logo" class="mb-3" width="120">
    <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>
```

```html
    </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" data-target="#artistModal" data-artist="1">
                    <img src="stock-photo-new-york-ny-usa-june-ed-sheeran-performs-on-nbc-s-today-show-concert-series-at-2322680793.jpg" class="card-img-top" alt="DJ Sonic">
                    <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" data-target="#artistModal" data-artist="2">
                    <img src="images.jpg" class="card-img-top" alt="Indie Vibes">
                    <div class="card-body text-center">
                        <h5 class="card-title">JUSTIN BEIBER</h5>
```

```html
          <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" data-target="#artistModal" data-artist="3">
        <img src="Taylor_Swift_(6820711660).jpg" class="card-img-top" alt="EDM Beat">
        <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>
```

```html
    <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>
```

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

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

</body>

</html>
```

JavaScript:

```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(`

            <img src="${artist.img}" alt="${artist.name}" class="img-fluid mb-3">

            <p><strong>Performance:</strong> ${artist.time}</p>

            <p>${artist.bio}</p>

        `);

    }

});
```

CSS:

```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

```html
<!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 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

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