**Project Report: Stellar Soundwave Fest Website**

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**Project Title:** Stellar Soundwave Fest - Promotional Website

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**1.0 Executive Summary**

This report details the successful development of the "Stellar Soundwave Fest" promotional website, a project aimed at creating an engaging and informative online presence for a fictional music festival. The primary objective was to design a responsive, user-friendly platform that showcases the festival's lineup, schedule, and essential information to attract potential attendees.

The project successfully delivered on all core requirements, resulting in a two-page static website featuring:

* A visually impactful **hero section** with a clear call-to-action.
* An interactive **artist lineup grid** with dynamic modals for detailed artist bios.
* A dedicated and easy-to-navigate **schedule page**.
* A fully **responsive design** optimized for both desktop and mobile devices.

The website was built using a standard technology stack of **HTML, CSS, JavaScript, Bootstrap, and jQuery**, demonstrating a modern and efficient approach to front-end web development. The final prototype is a robust foundation that effectively meets the project's promotional goals.

**2.0 Project Objectives**

The project was guided by the following key objectives:

* **Engage Visitors:** To capture user interest immediately with a compelling landing page and a strong visual identity.
* **Inform Clearly:** To provide essential festival information, including the artist lineup and event schedule, in an intuitive and accessible manner.
* **Promote Ticket Sales:** To drive conversions through a prominent "Buy Tickets" call-to-action.
* **Ensure Accessibility:** To create a seamless experience across all devices, with a particular focus on mobile users who are likely to access the site on the go.
* **Create Interactivity:** To enhance user engagement by incorporating dynamic elements, such as the artist bio modals, which provide deeper content without cluttering the main interface.

**3.0 Features Implemented**

The final website includes a range of features designed to meet the project objectives.

**3.1 Responsive Navigation & Footer**

A persistent, fixed-top navigation bar ensures that users can easily navigate between the **Home** and **Schedule** pages from any point. The navigation bar is fully responsive, collapsing into a "hamburger" menu on smaller screens. A clean footer provides copyright information.

**3.2 Hero Section**

The landing page features a full-screen hero section with a captivating background image. A semi-transparent dark overlay is applied to ensure the headline text is readable and visually striking. The section is centered around a clear call-to-action button, prompting users to "BUY TICKETS NOW".

**3.3 Interactive Lineup Grid**

The artist lineup is presented in a responsive grid powered by Bootstrap. Each artist is represented by a "card" containing their image and name. Key implementation details include:

* **Visual Feedback:** A subtle hover effect (lift and shadow) is applied to each card, signaling interactivity to the user.
* **Data Attributes:** Each card's HTML element stores the artist's bio, performance time, and image path in data-\* attributes. This is a clean and efficient method for associating data with an element.

**3.4 Dynamic Artist Bio Modals**

This is the core interactive feature of the site. Clicking on any artist card triggers a single Bootstrap modal window.

* **Dynamic Content:** Using jQuery, the modal is populated *dynamically* with the information stored in the clicked card's data-\* attributes.
* **Efficiency:** This approach is highly efficient as it requires only one modal structure in the HTML, which is reused for all artists, reducing code duplication and simplifying maintenance.

**3.5 Multi-Day Schedule Page**

A dedicated schedule.html page provides a detailed event timeline.

* **Tabbed Interface:** The schedule is organized by day using Bootstrap's tab component, allowing users to easily switch between Friday, Saturday, and Sunday.
* **Structured Data:** Within each tab, a styled HTML table clearly presents the time, performing artist, and stage for each event.

**4.0 Technologies Used**

The project was developed using a standard and robust stack of front-end technologies.

* **HTML5:** Provided the fundamental structure and semantic markup for all web page content.
* **CSS3:** Used for custom styling to establish the festival's unique visual identity, including the 'Orbitron' font for branding, custom color schemes, and hover animations.
* **Bootstrap 5.3:** Served as the primary CSS framework. It was instrumental in creating the responsive grid system, styling components (buttons, cards, modals, navbar), and ensuring a mobile-first design.
* **JavaScript:** The core language for adding client-side interactivity.
* **jQuery 3.7.1:** A JavaScript library used to simplify DOM traversal and manipulation. Its primary role was to power the event listeners and dynamic content population for the artist bio modals.

**5.0 Conclusion & Recommendations**

The "Stellar Soundwave Fest" website project successfully met all its objectives, delivering a functional, visually appealing, and responsive promotional prototype. The site effectively communicates key festival information and encourages user engagement through its interactive features.

For future development, the following enhancements are recommended:

* **Backend Integration:** Connect the "Buy Tickets" button to a real e-commerce or ticketing platform. A server-side language (e.g., Node.js, Python) and a database would be required.
* **Content Management System (CMS):** Integrate a headless CMS (like Strapi or Contentful) to allow festival organizers to update the lineup and schedule dynamically without needing to edit the source code.
* **Performance Optimization:** Minify CSS and JavaScript files and compress images to ensure faster page load times, which is critical for mobile users.
* **Additional Features:** Expand the site to include an interactive festival map, a photo gallery, an FAQ section, and integration with social media feeds.

Screenshots:







