

# Event Management System Proposal

## Objective

We are proposing to make a website that works as a one-stop-shop for organizing, booking and ticketing primarily catering to smaller events and independent and/or niche artists. i.e. artists that do not have a huge backing.

## Target Audience

**Independent Artists:** Musicians and performers looking for opportunities to showcase their talent.

**Small Venues:** Bars, community centers, cafes, and other similar settings seeking to host events.

**Fans:** Enthusiasts of niche and lesser-known music scenes who want to discover and attend unique events.

## Views

There will be several views, including a landing page to provide a call to action for users. Leading to at least 5 views, most of the following key features will have views of their own.

## Key Features

### Ticketing System

- Event Creation and Management: Artists and venues can create and manage events, including setting ticket prices and availability.
- Ticket Purchase: Fans can browse events, purchase tickets, and receive digital tickets.
- Progress Bar: A visual indicator showing the number of tickets sold, helping attendees gauge crowd size.

### Artist/Venue Matching System

- Artist Availability: Artists can post their availability for specific dates, allowing venues to inquire about booking them.
- Venue Opportunities: Venues can post opportunities to host artists, and artists can express interest in performing.

### User Authentication

- Registration and Login: Users can register with a username, password, first name, last name, and email address. Implemented using Django's built-in authentication module.
- A User can be a Customer (Fan), an Artist, or a Venue owner, but only one of these roles.
- Profile Management: Users can manage their profiles, including updating personal information and viewing past events.

### Event Management (Admin Interface)

- Admin Controls: Site administrators can add, update, and delete events, artists, and venues using Django's admin interface.
- Data Integrity: Ensure that deleting items does not disrupt relationships with past events and bookings.

## Shopping Cart

- **Cart Functionality:** Logged-in users can add tickets to their shopping cart, review their selections, and proceed to checkout.
- **Session Storage:** Cart contents can be stored in sessions or the database for persistence.

## Merchandise Listings (Work in Progress/not final)

- **Artist Merch:** Artists can create and manage listings for their own merchandise, such as t-shirts, posters, and albums.
- **Merch Purchase:** Fans can browse and purchase merchandise directly from the artist's page or external website, with options for shipping or pickup at events.

## Order Management

- **Order Review:** Users can review their cart items and see the total price before confirming their purchase.
- **Order History:** Customers can view their past orders, including event details and total cost.

## User pages

- Each user will have their own page. Each user type's page communicates different kinds of information. For brevity we do not go into more detail here.

## Personal Touch (Work in Progress/not final)

- **Order Status:** Allow administrators to mark orders as complete and display the status to customers.
- **Email Confirmations:** Send customers an email confirmation once their order is placed.
- **Notification system** for when a user's favorite artist begins selling tickets in the user's area.
- **Implement a system** where users can save frequently attended venues or favorite artists for quick access.
- **Responsive Design:** Ensure the website is fully responsive and accessible on various devices.
- **Calendar** on the landing page with popular events and a bigger one available for logged in users with more detailed information

## Justification

This platform addresses the needs of independent artists and small venues by providing a centralized system for event management and ticketing, enhancing the experience for fans by making it easier to discover and attend events. The additional features, such as the artist/venue matching system, and progress bar, among other things add value and set our platform apart from existing solutions. Thereby resulting in a unique value proposition for our target users.