



## Centre for Development of Advanced Computing, Bangalore, India

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### Software Requirement Specification (SRS) (As a part of ACTS Management System)

### GET YOUR ARTIST

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## 1. Introduction:

### 1.1. Purpose

This System Requirement Specification (SRS) aims to provide the readers and users information about the system and its functions and specifications. SRS describes the data, functional and behavioural requirements of the software.

The GetYourArtist program aims to provide a complete web platform to facilitate booking artists for both private and public events. By making it easier for users to book artists interactively, the website seeks to help participants. It makes it easier for event planners to identify and select the right talent for their event and allows them to manage the issues. With feature rich solutions for creating, editing, managing and cancelling event bookings, the platform improves event administration and assures that event bookings will be efficiently managed to meet the requirements of individuals and artists organizing by providing customized options for booking needs. The main goal of GetYourArtist is to enhance the user experience by providing a simple, intuitive platform that makes artist and event management easy for every user.

### 1.2. Document Conventions:

- Font: TNR 12, In this document priority levels are located using the following conventions.
- Important directions, section titles, and significant terms are all highlighted in **bold text**.  
For instance, **Overall Description**.
- Sections & Subsections: The document is arranged in a hierarchical manner, with subsections denoted by decimal notation (e.g., 1.1, 1.2) and main sections numbered (e.g., 1.0, 2.0).  
For instance: **1.2.1 Project Scope**.
- Use of bullet points to identify components, attributes, or procedure steps.

### 1.3. Intended Audience and Reading Suggestions:

#### i) **Intended Audience:**

**Event organizers:** the people and teams responsible for organizing and organizing the open event; Artists will be booked and the platform will be used to manage the technical aspects of the event. Particular attention should be given to the aspects describing the features of the event management system, the booking process, and the user interface.

**Private Event Planners:** People looking to hire actors for personal events, weddings, or other events. They should focus on the platform's user manual, hire artists and manage bookings.

**Artists:** Entrepreneurs looking to document events by creating and maintaining accounts on the platform. They should go through sections on setting up and maintaining profiles and tips on how to effectively implement prospect exposure and registration.

## ii) Reading Suggestions:

**Start with the introduction and objectives sections** to get a general idea of the objectives and features of the platform.

**Event organizers and individuals** should refer to the User Guides and Booking Orders for additional information on how to use the Platform.

**Artists** should focus on the profile management sections to understand how to create and optimize their profiles.

**Developers** should consult technical guides, API documentation, and system configuration to find backend implementations and integration points.

**Customer support staff** should read the troubleshooting help areas to assist customers with specific issues and administrative tasks.

### 1.4. Project Scope:

GetYourArtist aims to:

Through a user-friendly interface, the GetYourArtist platform seeks to expedite the booking process for artists for a range of events. Artists are given the opportunity to create and update comprehensive profiles that showcase their work, which guarantees that both individuals and professional event planners can find and book talent with ease. The system supports comprehensive event scheduling, including the creation, editing, viewing, and cancellation of bookings, catering to both private event organizers and professional event planners.

The GetYourArtist platform offers centralized and automated booking and inquiry management, addressing current industry problems. The technology will make it possible to create and manage comprehensive artist profiles that include contact details, performance history, bios, and availability. Event planners have the opportunity to look for musicians based on a range of factors, including genre, location, availability, and price range. This makes the booking process easier from the point of initial inquiry to the point of final confirmation. This covers contract creation, negotiation, and electronic signing. The platform will also take care of artists' schedules in order to avoid multiple bookings and provide proper availability representation.

Role-based access control will be implemented by the system to guarantee that users (artists, agents, organizers, and admin) have the proper permissions according to their roles. The GetYourArtist platform strives to transform the artist booking business by offering a smooth and simple user experience that will increase efficiency and effectiveness for all stakeholders.

### 1.5. References:

1. Reference: [https://www.academia.edu/38112670/SRS\\_Event\\_Management\\_System](https://www.academia.edu/38112670/SRS_Event_Management_System) research paper from: hitesh Shrivastava.
2. Reference: [https://www.academia.edu/38112670/SRS\\_Event\\_Management\\_System](https://www.academia.edu/38112670/SRS_Event_Management_System) research paper from: hitesh Shrivastava.
3. Project on DJ Booking Management System:  
<https://www.studocu.com/in/document/srm-institute-of-science-and-technology/bechlar-of-science/odjms-project-report-hiiii/53485120>.
4. Review Paper on an Event Management System. Amir Saleem<sup>1</sup>, Davood Ahmed Bhat<sup>2</sup>, Mr. Omar Farooq Khan<sup>3</sup>, Students of SSM College of Engineering and Technology, University of Kashmir India. Assistant Professor of SSM College of Engineering and Technology, University of Kashmir, India.
5. Project report and research on Online Event Management System Deepanshu Goyala , Arbab Alib , Md Nafis Haiderc.

## 2. Overall Description:

GetYourArtist is a new online platform designed to provide a way to book artists for events, both public and private. The platform caters to a wide range of users, including event organisers, individuals planning private events, artists seeking bookings and administrative staff.

### i) **Key features**

**Artist Booking and Registration:** Artists can create and view detailed profiles of their skills, past and present work. Users can search for artists based on a variety of factors such as event, location, and type of event.

**Event Management:** With the help of this feature, users can keep organized and aware of upcoming events. It also offers full event management options.

**User management:** Artists and event organizers also have dedicated interface s to manage their accounts and bookings. Features include profile updates, booking confirmations and notifications of upcoming events.

**Seamless Interaction:** The platform provides smooth navigation and user-friendly interface that ensures a smooth booking experience. Reminders and updates keep all parties aware and engaged throughout the program.

**Community interaction:** Through the platform's ability to link artists with individuals and event planners, it promotes community interaction. By promoting networking, teamwork, and idea sharing, this interaction improves the user experience for all users.

**Blog Management:** Artists can post and administer blogs on events, artist performances, and other relevant topics on the platform's blog management feature. Visitors can read these blogs to stay up to date on the newest developments and trends and to stay informed.

### 2.1. Pages:

#### 2.1.1 User Login - Sign In/Up:

Users can create new accounts or log in to their current ones using this page. Email addresses or usernames and passwords are included. Enter the necessary information, such as your password, email address, and name.

#### 2.1.2 Home:

The platform's main landing page is the home page. It offers a summary of the features of the platform, together with the latest blog entries, upcoming events, and popular artist highlights. In order to make sure users can quickly obtain the information they require, it also offers navigation connections to other sections of the website.



### **2.1.3 About Us:**

The GetYourArtist platform's aim, vision, and the team behind it are all described on the About Us page. In order to better help users understand the objectives and guiding principles of the service, this page may also include FAQs and comprehensive information on how the platform functions.

### **2.1.4 Contact Us:**

Users can use the contact form on the Contact Us page to send questions, comments, or requests for help to the support staff. It offers information about various means via which users can get in contact, such as phone numbers, email addresses.

### **2.1.5 Get Your Artist:**

The goal of this page is to assist users in finding and exploring artists. Artists can be found and filtered by users according to several factors, including availability, location, genre, and more. Every artist profile has comprehensive details, past performances, availability, and contact details.

### **2.1.6 Book Artist:**

Users can proceed with reserving an artist for their event on this page. It leads consumers through every step of the reservation process, from choosing dates to verifying availability, settling conditions and completing the reservation.

### **2.1.7 Register:**

Artists can sign up and set up their platform profiles on this page. It has sections for availability, performance history, professional background, and personal information. The registration page makes sure that artists fill out all the forms required in order to be hired and displayed on the platform.

### **2.1.8 Events Page:**

A schedule of upcoming events with artists from the platform is shown on the events page. The date, venue, and artist lineup are among the details that users can view about the event. Users may also be able to attend the event or indicate their interest on the page.

### **2.1.9 Blogs:**

Artists' blogs are featured in this section. Readers can interact with and learn about the experiences of the artists, as well as get industry insights, event planning advice, and more. The blog page gives users access to useful content and fosters community building.

### **2.1.10 Feedback:**

Users can leave feedback on this page regarding their interactions with artists, the platform as a whole, and the booking procedure itself. It has a form where people may write comments and review their experience. Feedback guarantees a high degree of service quality and aids in platform improvement.

## **2.2. Modules:**

### **2.2.1. Login and Profile Management:**

**Description:** Handles user authentication, including sign-in, sign-up, and user profile management.

**Features:**

User Sign-In:

Email ID

Password

User Sign-Up:

First Name

Last Name

Email

Password

### **2.2.2. Artist Booking and Registration:**

**Description:** Manages the process of registering artists on the platform and allows users to book these artists for events.

**Features:**

Artist Registration Form

Artist Profile Management

Artist Booking Form

Artist Booking Status Tracking

### **2.2.3. Blogs:**

**Description:** Facilitates the creation, management, and viewing of blog content by users and admin.

**Features:**

Blog Creation and Viewing

Blog Approval and Moderation by Admin

### **2.2.4. Admin:**

**Description:** Provides an interface for the admin to manage users, artists, bookings, and other platform activities.

**Features:**

User Management

Artist Management

Booking Management  
Event Management  
Blog Approval/Reject

### 2.3. **Project Perspective:**

GetYourArtist is a platform that connects artists with individuals and event organizers, with the goal of revolutionizing the artist booking process. The platform creates a smooth experience for both parties by bridging the gap between musicians and those looking to book them for events.

It provides an integrated system for booking that streamlines and improves the effectiveness of handling artist profiles and event details. Artists can improve their self-marketing by creating and maintaining comprehensive profiles that highlight their abilities and previous performances. Event planners get access to a calendar of events, which helps them keep organized and effectively manage their reservations.

#### 2.2.1 **System Interface**

**Web Interface:** The main interface for users to interact with the platform. It includes services for finding artists, managing profiles and handling bookings.

**API:** Provides a range of RESTful endpoints for third party integration and mobile application interaction, ensuring that users can access the platform from different devices and applications

**Database:** A relational database that stores user information, artist information, booking information, and system logs to ensure data integrity and accessibility.

#### 2.2.2 **User Interface**

**Artist Dashboard:** Enables artists to create and update their profiles, manage their schedule and manage booking requests. Artists can showcase their talent and availability, making it easier for clients to find the right fit for their events.

**User's Dashboard:** Provides event management and personalization tools for finding artists, making and managing bookings, and accessing information. This interface is designed to simplify the incident management process.

**Admin Interface:** Allows administrators to manage user accounts, track bookings and ensure smooth operation of the platform. This interface includes tools for monitoring and managing platform activities.

### 2.2.3 Hardware Interfaces

GetYourArtist website is accessible from any device with an internet connection and a modern web browser, eliminating the need for specialized hardware.

### 2.2.4 Software Interface

**Database Management System (DBMS):** Manages a relational database that stores all user data, artist profiles and booking information.

**Notification Services:** Uses email functionality to send users notifications and updates on their bookings and account activity.

### 2.2.5 User Characteristics

**Artists:** individuals or organizations providing gaming services; They include DJs, musicians and entertainers who want to expand their talents and book.

**Event Organizers:** Experts or companies organizing outdoor events that should hire a game planner.

**Individuals:** The people who want to hire artists for entertainment purpose are those who organize private events like parties, weddings etc.

**Administrative Staff:** Personnel responsible for managing the platform, overseeing bookings, and ensuring smooth operation.

### 2.2.6 Constraints

**Scalability:** The system must be able to handle the growing number of users and users.

**Security:** It is important to keep user data and financial activities secure.

**Accessibility:** The platform should be simple and accessible even to users with exceptional technical skills.

## 2.4. Project Functions:

GetYourArtist provides a comprehensive set of functionalities aimed at streamlining the process of booking artists for various events. The platform caters to different user roles, including artists, event organizers, and administrative staff, ensuring that each has access to tools and features suited to their needs.

### 2.4.1. User Registration and Authentication

**User Registration:** New users can create an account by providing necessary details such as name, email, and password.

**Login:** Existing users can log in to the platform using their credentials.

**Password Management:** Users can reset or change their passwords through secure processes.

#### **2.4.2. Profile Management**

**Artist Profile Creation:** Artists can create detailed profiles showcasing their talents, experiences, and availability. This includes uploading photos, videos, and other relevant media.

**Profile Updates:** Artists can update their profiles as needed to reflect new skills, experiences, or changes in availability.

#### **2.4.3. Search and Booking**

**Artist Search:** Users can search for artists based on various criteria, including location, availability, type of performance, and user ratings.

**Booking Requests:** Users can submit booking requests to artists, specifying details such as event date, location, and special requirements.

**Booking Confirmation:** Artists can accept or decline booking requests. Upon acceptance, the booking is confirmed, and both parties receive notifications.

#### **2.4.4. Booking Management**

**View Bookings:** Users can view their upcoming and past bookings, including details such as event date, location, and status.

**Update Bookings:** Users can update booking details if needed, subject to artist approval.

**Cancel Bookings:** Users can cancel bookings, with notifications sent to the affected parties. Cancellation policies may apply.

#### **2.4.5. Notification System**

**Email Notifications:** The platform sends automated email notifications for various events, such as booking confirmations, updates, and cancellations.

#### **2.4.6. Feedback and Query**

**Feedback and Query:** Users can leave Feedbacks and for artists after an event, providing valuable feedback for future clients.

#### **2.4.7. Administrative Functions**

**User Management:** Admins can manage user accounts, including creating, updating, and deleting accounts.

**Booking Oversight:** Admins can oversee and manage all bookings on the platform, ensuring smooth operation and handling any issues that arise.

**System Monitoring:** Admins can monitor the platform's performance, track user activity, and generate reports for analysis

#### **2.4.8. Reporting and Analytics**

**Booking Reports:** Users and admins can generate reports on bookings, providing insights into trends, popular artists, and other metrics.

#### **Summary:**

**GetYourArtist** is designed to be an all-encompassing platform that simplifies the process of booking artists for events. With a focus on user-friendly design and robust functionality, it aims to meet the needs of artists, event organizers, and individuals planning personal events. The platform's comprehensive feature set ensures a seamless and efficient experience for all users.

### **2.5. User Classes and Characteristics:**

**GetYourArtist** serves a variety of users, each with specific needs and uses within the platform. Primary users are designers, event organizers, individuals planning private events, and professionals. Understanding the characteristics and needs of these user groups is essential to creating flexible and efficient platforms.

#### **2.5.1. The Artist**

##### **characteristics:**

Artistic professionals, such as musicians, dancers, actors, painters, and more. Can work independently or as part of a team or company. They need to showcase their talent and experience with detail. Tools are needed to manage availability, bookings and customer interactions.

##### **Requirements:**

Ability to create and update profiles with multimedia content. Tools for handling booking requests, confirmations and cancellations. Secure payment processing and transaction history. Obtaining reviews and ratings from previous users. Additional information and customer messages and references.

### **2.5.2. Event Organizers:**

#### **characteristics:**

Staff responsible for organizing and managing public and private events. Qualified actors must be sought and booked for events. Managing multiple copies and collaborating with artists requires skilled equipment.

#### **Requirements:**

Advanced search functionality to find artists based on specific criteria. Ability to send booking requests and negotiate with artists. Tools to view, update and cancel bookings as needed. Announcement of changes in booking status and artist communications.

### **2.5.3. Individuals planning private events**

#### **characteristics:**

Individuals looking to hire actors for private events such as weddings, parties, and family gatherings. Artists may not have much experience with booking and may need a user-friendly interface.

#### **Requirements:**

Easy search function and easy to find artists. Easy to use in booking request and confirmation process. Clarify your communication channels with artists. Updates and information about booking artist messages.

### **2.5.4. Administrators**

#### **characteristics:**

Manage all platform operations and maintenance. Efficiency, user satisfaction and policy compliance are important.

#### **Requirements:**

Complete management tools including account creation, renewal and deletion. You can track and manage all bookings on the platform. Development of tools for applications, platform performance and reporting. Ability to handle application support requests and resolve issues quickly.

### **Summary**

Each user group in GetYourArtist has unique resources and needs that the platform caters to through its customized products and services. By understanding and addressing these diverse needs, GetYourArtist ensures a seamless and fulfilling experience for all those involved in booking and managing artists for events.

## **2.6. Operating Environment:**

The operating environment section describes the technical requirements and conditions under which the **GetYourArtist** platform will operate, including the specifications for both server and client environments.

### **2.6.1. Server:**

The server environment includes the infrastructure and software necessary to host the GetYourArtist platform, ensuring reliable performance, security, and scalability.

#### **Hardware Requirements:**

Processor: Quad-core or higher

Memory: Minimum 8 GB RAM

Storage: SSD with at least 500 GB capacity

Network: High-speed internet connection (128Mbps or higher)

#### **Software Requirements:**

Operating System: Windows 10 or higher.

Web Server: Apache HTTP Server.

Frontend : React ,Tailwind CSS

Backend : Spring Boot.

Database: MongoDB.

Version Control: Git

Hosting Platform : Vercel

### **2.6.2. Client:**

The client environment refers to the devices and software used by end-users to interact with the GetYourArtist platform. This includes desktop computers, laptops, tablets, and smartphones.

#### **Hardware Requirements:**

Desktop/Laptop: Minimum 4 GB RAM, Dual-core processor

#### **Software Requirements:**

Operating System:

Desktop/Laptop: Windows 10, macOS 10.15, Linux (various distributions)

Web Browser: Latest versions of Google Chrome, Mozilla Firefox, Safari, Microsoft Edge

Internet Connection: Stable internet connection with a minimum speed of 1 Mbps.

## **2.7. User Documentation:**

Welcome to GetYourArtist, your go-to platform for booking artists for both public and private events. These documents will walk you through the various features and functions of the platform, ensuring that you can get the most out of your experience.



## **Getting Started**

### **Creating Accounts:**

- Go to the GetYourArtist homepage and click on the "Sign Up" button.
- Fill in the important details like your name, email address and password.
- Verify your email address by clicking on the link sent to your inbox.

### **Logging:**

- Click the "Login" button on the home page.
- Enter your registered email address and password.
- Click "Submit" to login to your account.

## **Booking an Artist**

### **Search artist:**

- Use the search bar on the home page to find artists by name, attributes, or location.
- Search the list of artists there and check their profiles for more information.

### **Viewing Artist Profiles:**

- Click on an artist's name to view their profile.
- Check out their reviews, past shows, ratings, and availability.

### **Booking an Event:**

- Click the "Book Now" button on the artist's profile.
- Fill out event details such as date, time, location, and any special needs.
- Review the booking summary and click on "Confirm Booking" to complete your request.

## **Managing your bookings**

### **View Bookings:**

- Go to your account dashboard and click on "My Bookings".
- Check your upcoming and past bookings.

### **Update Booking:**

- Select the booking you want to update.
- Make the necessary changes and click "Save".

### **Cancel Bookings:**

- Select the booking you want to cancel.
- Click "Cancel Booking" action.

## **2.8. Assumptions and Dependencies:**

### **Assumptions:**

**User Online Access:** To use the GetYourArtist platform effectively, users must have reliable online access.

**Device compatibility:** The platform can be accessed by users of compatible devices, such as computers running modern web browsers or smartphones and tablets.

**Artist Availability:** All artists on the platform have an up-to-date and bookable availability calendar.

**Artist Authentication:** Artists go through authentication process to ensure the authenticity of their profiles and services offered, including verification via government-issued ID.

**User Authenticity:** Users submit genuine and authentic information when registering and registering.

**Notification Delivery:** Users receive instant messages from up and running email and SMS notification systems.

### **Dependencies:**

**Third Party Services:** The Platform relies on external services to provide features such as email delivery

**Web Hosting and Server Infrastructure:** The stability and functionality of the web hosting and server infrastructure underpinning the GetYourArtist platform is determined.

**Database management:** A reliable database management system is essential to store and retrieve user, artist and booking information.

### 3. Interface Requirements:

#### 3.1. User Interface:

##### **Website interface**

**Homepage:** Displays blog content, upcoming events, and featured artists. It contains links to the following important sections: About Us, Contact Us, Blog, Artist Profile and Event Booking.

##### **User registration and login:**

This allows users to sign in with their email account. It allows the returning user to login.

**Artist Profiles:** Provides detailed bios, portfolios, availability, and user ratings for artists. It allows users to search and edit artists according to availability, rating and categories.

**Event Booking:** Customers can reserve artists for events by choosing a date, time and venue. Users can view their reservation history and status and make changes or cancellations. Artists can interact with fans, share event experiences, and post updates on their blog pages. Posts can be liked, shared and commented on by users.

**User Dashboard:** Provides a personalized dashboard for users to manage their bookings, view notifications, and update profile settings.

#### 4. Software Quality Attributes:

**Performance:** The system must handle multiple users and tasks at once without encountering any noticeable backlog. User actions such as booking or artist search should get a response when they fall within reasonable limits (e.g. less than 3 seconds for normal usage).

**Scalability:** The platform must have the ability for horizontal scaling to handle growing populations and connections. The infrastructure should allow for more servers or resources to be added efficiently.

**Dependability:** The system should have very little downtime and high availability.

**Usability:** The user interface should be simple and easy to use. Allow users easy access to helpful resources and navigation to help them complete their tasks.