



Centre for Development of Advanced Computing, Bangalore, India

Functional Requirement Specification (FRS) **(As a part of ACTS Management System)**

GET YOUR ARTIST

Project Guide:

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Functional Requirements Document

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Abbreviations:

Sr.No	Acronym	Stands For
1	Admin	Administrators, Administrative
2	APIs	Application Programming Interface
3	DB	Database
4	DBMS	Database Management System
5	ERD	Entity-Relation Diagram
6	FRS	Functional Requirement Specifications
7	GOVT	Government
8	HTTPs	Hypertext Transfer Protocol Secure
9	SQL	Structured Query Language
10	UI	User Interface
11	YYYY-MM-DD	Year-Month-Day

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1 INTRODUCTION

1.1 Purpose

The purpose of this document is to give a detailed description of the requirements for the Get Your Artist website. It shall illustrate the purpose and complete declaration for the development of the System. It shall explain System Constraints, Interfaces and Interactions with other External Applications. This document is primarily intended for customers for its functional requirements approval and a reference for the development team.

This system is designed to facilitate the booking process for artists, event organizers, and agencies by providing a comprehensive platform that manages inquiries and bookings. The goal is to streamline the workflow, enhance communication, and ensure a seamless experience for all parties involved.

1.2 Background

This project aims to address a situation where communities do not have or do not want event planning and are struggling to manage small and large events on their own. As a result, Get Your Artist is crucial to solving the problem. A platform that connects artists or groups of artists with individuals who want to commemorate any or all of life events, **GetYourArtist- is for every event of your life.**

1.3 Scope

Artist Booking System aims to develop a comprehensive platform that simplifies the process of booking artists for various events. System will address current industry challenges by providing automated and centralized solutions for managing inquiries and bookings. Basically System will create and maintain detailed artist profiles, including bio, performance history, availability, and contact information. Allow event organizers to search for artists based on various criteria such as genre, location, availability, and budget. Facilitate the booking process from initial inquiry to final confirmation, including negotiation, contract generation, and digital signing. Manage artists' calendars to prevent double bookings and ensure availability is accurately represented. Implement role-based access control to ensure users have appropriate permissions based on their roles (artists, agents, organizers, admin).

The system will solve the efficiency of automating and centralizing booking processes to reduce admin overhead and speed up transactions. Accuracy to minimize errors in schedules.

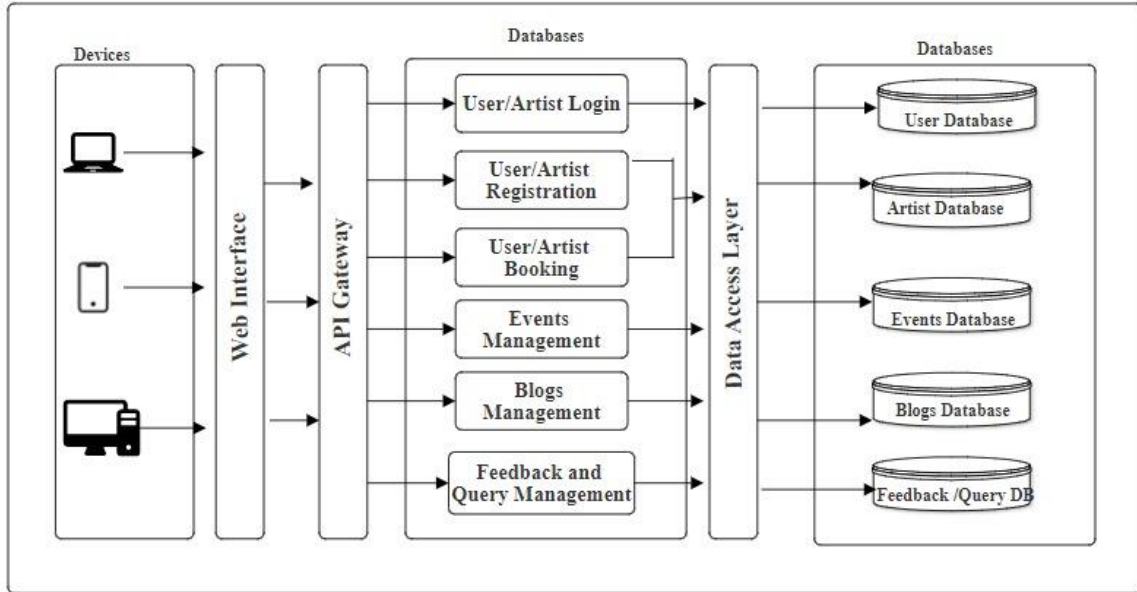


Figure 1: System Architecture

1.4 References

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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. ART GALLERY MANAGEMENT SYSTEM ART GALLERY MANAGEMENT SYSTEM by Hari Karthick.R: <https://phpgurukul.com/art-gallery-management-system-using-php-and-mysql/>

1.5 Document Overview

This document gives an overview of the Get Your Artist; its interactions and functionality. It also describes the type of stakeholders that use the System and what functionalities are available for each type. The following FRS contains the details of this system is designed to facilitate the booking process for artists, event organizers, and agencies by providing a comprehensive platform that manages inquiries and bookings. It provides the

detailed functions of Get Your Artist with permitted Constraints, Assumptions, Dependencies and Requirements subsets.

2 FUNCTIONAL REQUIREMENTS

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 Admin, ensuring that each has access to tools and features suited to their needs.

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.

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.

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.

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.

Notification System:

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

Feedbacks and Query: (Review)

- Feedback: Users can leave reviews and ratings, providing valuable feedback for the future.
- Query: Users can put their queries regarding the website, artists etc. through query form.

2.1 User Registration and management:

2.1.1 User Registration:

Description: Users must be able to register with the platform with an email address and password.

2.1.1.1 Functional Requirements Identified

User Registration		
SN.	Functionality	Process
FR 1.1	System allows users to register using a valid email address.	<ul style="list-style-type: none"> • User goes to the sign-up page. • User enters their email and password.
FR1.2	System verifies the email address format.	<ul style="list-style-type: none"> • System validates the email format. • System validates the password standard.
FR1.3	System will send a confirmation email to the registered email address.	<ul style="list-style-type: none"> • If authentication passes, System sends a verification email. • User clicks on the verification link in the email. • System confirms the email address and completes the registration process.

2.1.1.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Email	Should be a valid, mandatory email format.	<ul style="list-style-type: none"> Must be a valid email format 	Mandatory
2	Password	Must contain at least 8 characters, at least one uppercase letter, one number and one special character, mandatory.	<ul style="list-style-type: none"> Must contain at least 8 characters, at least one uppercase letter, one number, and one special character 	Mandatory
3	First-Name	Should be valid	<ul style="list-style-type: none"> Must be a valid name format 	Mandatory
4	Last-Name	Should be valid	<ul style="list-style-type: none"> Must be a valid last name format 	Mandatory

2.1.2 User Login:

Description: Registered users should be able to log in to the platform.

2.1.2.1 Functional Requirements Identified

User Login		
SN.	Functionality	Process
FR 1.1	System allows users to log in with their registered email and password.	<ul style="list-style-type: none"> User navigates to the sign-in page. User enters their registered email and password. System validates the email format. System checks the password against the stored hash.
FR1.2	System will generate an error message for an incorrect email or password.	<ul style="list-style-type: none"> If validation passes, User is granted access to the platform. If validation fails, an error message is displayed.

2.1.2.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

S N	Field Name	Field Description	Validations	Remarks
1	Email	Should be a valid, mandatory email format.	<ul style="list-style-type: none"> Must be a valid email format 	Mandatory
2	Password	Must match registered password, mandatory.	<ul style="list-style-type: none"> Must match the registered password 	Mandatory

2.2 Artist Registration and management:

2.2.1 Artist Profile Creation

Description: Artists can create and maintain profiles on the platform.

2.2.1.2 Functional Requirements Identified

Artist Registration		
SN.	Functionality	Process
FR 1.1	System allows artists to create profiles incorporating personal and professional information.	<ul style="list-style-type: none"> Artist navigates to the profile creation page. Artist enters personal and professional details. Artist uploads a profile picture (optional).
FR1.2	System allows artists to upload profile photos and portfolio items.	<ul style="list-style-type: none"> System validates the name field. System validates the profile picture format (if provided). If validation passes, the profile is saved. Artist's profile is now visible on the platform.

2.2.1.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Profile Picture	Must be a valid image format.	<ul style="list-style-type: none"> Image format-jpg,png 	Optional
2	Name	Must be a valid	<ul style="list-style-type: none"> Must be according to Govt-id 	Mandatory
3	Biography	Description about work	<ul style="list-style-type: none"> Must be in word limit 	Optional

2.2.2 Artist Login

Description: Registered Artists should be able to log in to the platform.

2.2.2.1 Functional Requirements Identified:

Artist Login		
SN.	Functionality	Process
FR 1.1	System allows users to log in with their registered email and password.	<ul style="list-style-type: none"> Artist navigates to the sign-in page. Artists enter their registered email and password. System validates the email format. System checks the password against the stored hash.
FR1.2	System will generate an error message for an incorrect email or password.	<ul style="list-style-type: none"> If validation passes, User is granted access to the platform. If validation fails, an error message is displayed.

2.2.2.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Email	Should be a valid, mandatory email format.	<ul style="list-style-type: none"> Must be a valid email format 	Mandatory
2	Password	Must match registered password, mandatory.	<ul style="list-style-type: none"> Must match the registered password 	Mandatory

2.2.3 Artist Profile viewing

Description: Users can view and update artist profiles to ensure information is accurate and up-to-date in booking decisions.

2.2.3.1 Functional Requirements Identified

Artist Login		
SN.	Functionality	Process
FR 1.1	System allows users to view artist profiles.	<ul style="list-style-type: none"> • User opens the forum and goes to the section to view artists' profiles. • System retrieves and displays a list of available artists based on categories or search criteria. • User clicks on Artist's name or profile picture to see a detailed profile. • System retrieves selected artist's profile data from the database, including biography, portfolio items and availability. • System ensures that the information received is accurate and up to date. • System checks if User has permission to view the profile. • System shows the profile of Artist
FR1. 2	System will show the Artist's biography, portfolio and availability.	<ul style="list-style-type: none"> • User views portfolio items (photos, videos, audio clips). • User checks the availability of Artists to see if they can be registered. • Contact Artist : Users may have the opportunity to contact Artist directly through the Forum. • Book Artist: Users can click the "Book Now" button and continue booking Artist for an event. • Leave a Review : If User has previously rated an artist, they can leave a review or rating.

FR1.3	System allows artists to update their profiles.	<ul style="list-style-type: none"> Artist logs into their account and goes to their profile page. Artist updates her personal and professional profile in her resume. Artists upload new portfolio material (photos, videos, audio clips) or update existing ones. Artists update the availability on the calendar or schedule. System validates the updated fields to ensure that they conform to the required policies and standards. System checks for any conflicts in the available update. System stores the updated profile information in the database. All users can now see the updated profile.
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2.2.3.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Name	Artist's full name.	<ul style="list-style-type: none"> Must be between 2-50 characters and valid according to govt-id. 	Mandatory
2	Email	Artist's email address used for communication and login.	<ul style="list-style-type: none"> Must follow standard email format 	Mandatory
3	Biography	A detailed personal and professional description of an Artist.	<ul style="list-style-type: none"> Text up to 2000 characters. Can include letters, numbers, and basic punctuation. 	Optional
4	Portfolio	A collection of Artist's work including images, videos, and audio clips.	<ul style="list-style-type: none"> Images: Must be in jpg or png format. Videos: Must be in mp4 format. Audio: Must be in mp3 format. Size Limit: Each file must not exceed 50 MB. 	Optional

2.3 Search and Booking:

2.3.1 Artist Search:

Description: Users can search for artists primarily based on numerous criteria, which include vicinity, availability, business type, and utilization stage.

2.3.1.1 Functional Requirements Identified

Artist Search		
SN.	Functionality	Process
FR 1.1	System permits users to look for artists primarily based on place.	<ul style="list-style-type: none"> User opens the forum and goes to the search section. User enters the checklist: Location: User enters the desired territory.
FR1.2	System permits users to look for artists based on genre.	<ul style="list-style-type: none"> Performance Type: User selects a performance category.
FR1.3	System permits users to look for artists based on availability.	<ul style="list-style-type: none"> Availability: User selects the desired date.
FR.1.4	System permits users to look for artists based on ratings.	<ul style="list-style-type: none"> User rating: User sets the minimum rating.

2.3.1.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Location	Geographic location where the artist is available to perform.	<ul style="list-style-type: none"> Must be a valid location name (city, state, or country). 	Mandatory
2	Availability	Dates and times the artist is available.	<ul style="list-style-type: none"> Must follow the date format (e.g., YYYY-MM-DD). 	Optional
3	Type of genre	Category of performance the artist offers (e.g., music, dance, comedy).	<ul style="list-style-type: none"> Must be a valid category from predefined options. 	Optional
4	User Ratings	Average rating given to the artist by users.	<ul style="list-style-type: none"> Must be a number between 1 and 5. 	Optional

2.3.2 Booking Request:

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

2.3.2.1 Functional Requirements Identified

Booking Request		
SN.	Functionality	Process
FR 1.1	System shall allow users to submit booking requests to artists.	<ul style="list-style-type: none"> • User clicks on the artist's profile from the search results • User clicks the "Book Now" button on the artist's profile page.
FR1.2	System shall allow users to specify event date, location, and special requirements in the booking request.	<ul style="list-style-type: none"> • User fills in the booking request form: • Action Date: Selected from the date selection list (must be a future date). • Location of event: Entered as text (address, city, state, or country). • Special Requirements: Submitted as text (optional, up to 500 characters). • User sends a booking request.
FR1.3	System shall validate the booking request fields to ensure completeness and accuracy.	<ul style="list-style-type: none"> • System validates the input: • Make sure the event date is a valid future date. • Make sure the event space is configured correctly. • Ensure that the special requirements field exceeds the character boundary. • If successful, System saves the booking request and sends the information to the artist.

2.3.2.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Event-date	The date of the event for which the artist is being booked.	<ul style="list-style-type: none"> Must be a valid future date (e.g., YYYY-MM-DD). 	Mandatory
2	Event location	The location where the event will take place.	<ul style="list-style-type: none"> Must be a valid location name (address, city, state, or country). 	Mandatory
3	Special Requirement	Any special requirements or instructions for the artist regarding the event.	<ul style="list-style-type: none"> Text up to 500 characters. 	Optional

2.3.3 Booking Confirmation:

Description: Artists may accept or decline requests for submissions. Once approved, the registration is confirmed and both parties receive a notification.

2.3.3.1 Functional Requirements Identified

Booking Confirmation		
SN.	Functionality	Process
FR 1.1	System will allow artists to accept or reject booking requests.	<ul style="list-style-type: none"> Artist receives notification of booking request via email/SMS. The artist enters the platform and goes to the booking request section. The artist reviews the booking request information: The day it happened, location of the event and Special Requirements The artist decides whether to accept or deny the request. The artist communicates his decision through the platform.
FR1.2	System will notify the User and the artist when receipt is confirmed.	<ul style="list-style-type: none"> System updates the booking status based on the artist's feedback. System sends a report to User and the artist, indicating the reception status.

		<ul style="list-style-type: none"> ● If accepted, the statements are included in the default scope statements. ● If rejected, a disclaimer is included with the notice and indicates that other artists are being sought.
FR1.3	System will update the booking status accordingly.	<ul style="list-style-type: none"> ● System is updated by User and developer to reflect the acknowledgment: ● For confirmation, the event is added to both parties' calendars. ● Without registration, users are forced to search for other available artists.

2.3.3.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Booking Status	Status of the booking request (accepted, declined, pending).	<ul style="list-style-type: none"> ● Must be one of the predefined statuses. 	Mandatory
2	Notification	Notifications sent to both parties upon booking confirmation.	<ul style="list-style-type: none"> ● Must be a valid notification message. 	Mandatory

2.3.4 Cancel Booking:

Description: Users can cancel their booking if necessary.

2.3.4.1 Functional Requirements Identified

SN.	Functionality	Process
FR 1.1	System allows users to opt out.	<ul style="list-style-type: none"> ● User selects the booking to cancel. ● User clicks the "Cancel" button. ● Users can provide a cancellation reason (optional, up to 500 characters). ● User confirms cancellation.

FR1.2	system will notify the manufacturer of the cancellation.	<ul style="list-style-type: none"> • System verifies the cancellation request. • After success, System updates the booking status to "cancelled" and sends a notification to User and the artist.
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2.3.4.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Cancellation Reason	The reason for cancelling the booking.	<ul style="list-style-type: none"> • Text up to 500 characters. 	Optional

2.4 Event Management:

2.4.1 View Event:

Description: Users and artists can view upcoming events.

2.4.1.1 Functional Requirements Identified

SN.	Functionality	Process
FR 1.1	System allows users and artists to view all details of the booking.	<ul style="list-style-type: none"> • User or artist navigates to their respective bookings section. • User or artist selects a booking to view.
FR1.2	System shall display booking status, event date and event details.	<ul style="list-style-type: none"> • At the page of event view all the upcoming events will be slideshare and all the users can contact and book the artist according to particular events. • System displays the details of the selected booking: <ul style="list-style-type: none"> ○ Event Date ○ Event Location ○ Event Details ○ Booking Status (e.g., confirmed, pending, cancelled)

2.4.1.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Event Details	Additional details or special requirements for the event.	<ul style="list-style-type: none"> Text up to 500 characters. 	Optional

2.5 Feedback and Query:

Description: Users can review and rate artists after events.

2.5.1 Functional Requirements Identified

SN.	Functionality	Process
FR 1.1	Users can provide a rating out of 5 stars.	<ul style="list-style-type: none"> Users access the platform. User navigates to the "My Bookings" or "Past Events" section. User selects all the events he wants to review. Users are directed to the checklist. User selects 1 to 5 stars.
FR1.2	Users can write a review of up to 500 characters.	<ul style="list-style-type: none"> User types a review in the provided text box (optional, up to 500 characters). System validates the input: Make sure the rating is an integer from 1 to 5 The research essay requires no more than 500 characters. If successful, System saves the analysis and analysis. System sends information about further analysis and rating to the artist. The artist logs into the forum and goes to the "My Reviews" section.

2.5.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Star Rating	A numerical rating provided by User, ranging from 1 to 5 stars.	<ul style="list-style-type: none"> Must be a valid integer. 	Mandatory
2	Review Text	A textual review provided by User about their experience with the artist.	<ul style="list-style-type: none"> Text up to 500 characters. 	Optional

2.6 Notification Settings:

Description: System sends notifications to users and artists.

2.6.1 Functional Requirements Identified

SN.	Functionality	Process
FR 1.1	Email notification of booking confirmations, updates and cancellations.	<ul style="list-style-type: none"> User or designer performs an action that triggers a notification (e.g., booking request, booking confirmation, booking update, booking cancellation, review submission). System identifies the type of event and displays the corresponding information. System retrieves the necessary data (e.g., product information, user information, artist information) associated with the product. System populates the information template with the retrieved data. System creates the final content (e.g., email body, SMS message). Based on user preferences, System determines notification methods (e.g. email, SMS, in-app notifications).

		<ul style="list-style-type: none"> System sends the information through the selected channel: Email Notifications: System sends the notification to the recipient's registered email address.
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2.6.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

S N	Field Name	Field Description	Validations	Remarks
1	Notification Type	The type of notification being sent (e.g., booking request, booking confirmation, review submission).	<ul style="list-style-type: none"> Must be one of the predefined notification types. 	Mandatory
2	Recipient Details	Information about the recipient of the notification (e.g., email address, phone number).	<ul style="list-style-type: none"> Valid email address or phone number format. 	Mandatory

2.7 Data Security:

2.7.1 Secure Login and Authentication:

Description: Ensure that customers and artists can securely log into the platform the use of robust authentication mechanisms to guard their bills and sensitive statistics.

2.7.1.1 Functional Requirements Identified

SN.	Functionality	Process
FR 1.1	The System shall offer a login page for customers and artists.	<ul style="list-style-type: none"> User navigates to the login web page.
FR1.2	System shall require customers to enter their email and password to log in.	<ul style="list-style-type: none"> User enters their email and password. System validates the email and password layout.

FR1.3	The System shall authenticate customers by using checking credentials in opposition to the stored person database.	<ul style="list-style-type: none"> System plays a test against the stored user credentials.
FR1.4	System shall generate a steady session token upon a hit login.	<ul style="list-style-type: none"> If credentials match, the gadget generates a secure consultation token and logs User in.
FR1.5	The System shall log all login tries (a success and failed).	<ul style="list-style-type: none"> System logs the login attempt (successful or failed) for auditing functions.

2.7.2.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Email	Should be a valid, mandatory email format.	<ul style="list-style-type: none"> Must be a valid email format 	Mandatory
2	Password	Must contain at least 8 characters, at least one uppercase letter, one number and one special character, mandatory.	<ul style="list-style-type: none"> Must contain at least 8 characters, at least one uppercase letter, one number, and one special character 	Mandatory

2.8 Blog Post:

2.8.1 Blog Creation and Viewing:

Description: The functionality of the blog page allows artists to share their stories about events, experiences, and other related content. Users can view and interact with this content by leaving comments.

2.8.1.1 Functional Requirements Identified

SN.	Functionality	Process
FR 1.1	Artists may create blog posts with text, images and video.	<ul style="list-style-type: none"> The artist goes to the blog creation page. Artist enters post title, content, uploads images or video. The artist sends the post.

		<ul style="list-style-type: none"> ● System stores the article in the database and displays it on the blog page. ● The artist goes to the blogging page. ● The artist creates a new blog post by entering the title and content. ● Artists upload photos or videos (optional). ● System validates the image/video format and size (if provided). ● When the certificate expires, the position is published.
FR1.2	Users can view and comment on blog posts.	<ul style="list-style-type: none"> ● System validates the input and information systems. ● Users can view and comment on blog posts.
FR1.3	Artists may edit or delete their blog posts.	<ul style="list-style-type: none"> ● System validates the input and information systems. ● Artists can edit or delete their content.
FR1.4	Users may report inappropriate information to Admin.	<ul style="list-style-type: none"> ● System follows the title and content of the post is accurate.

2.8.1.2 Fields Validations

This table lists the various fields that will be there in the form for the requirement

SN	Field Name	Field Description	Validations	Remarks
1	Post Title	Heading-Text	<ul style="list-style-type: none"> ● Must be in the 5-100 characters limit. 	Mandatory
2	Post Content	Description	<ul style="list-style-type: none"> ● Must be up to 2000 characters. 	Mandatory
3	Image/Video Upload	About Events	<ul style="list-style-type: none"> ● Must be a valid image (jpg, png) or video (mp4) format 	Mandatory

2.9 Pre-requisites, Assumptions and Dependencies:

When planning and developing the GetYourArtist platform, which allows users to book artists for events, several pre-requisites, assumptions, and dependencies need to be considered to ensure a successful deployment and operation. Here's an outline covering these aspects:

Pre-requisites:

1. Artist Onboarding and Verification:

- Description: Ensuring that artists are properly onboarded and verified.
- Details: Establish procedures for artist registration, including identity verification and background checks. Form partnerships with artist management agencies for a diverse artist pool.

2. Platform Infrastructure:

- Description: A reliable and scalable infrastructure to handle user traffic and artist interactions.

3. Content Management System:

- Description: System for organizing, categorizing, and managing artist profiles and event details.
- Details: Implement a robust content management system (CMS) with features for profile creation, content upload, and event scheduling.

4. Payment Processing:

- Description: Secure and efficient payment gateway integration.
- Details: Ensure compliance with financial regulations and support multiple payment methods. Establish partnerships with reliable payment processors.

Assumptions:

1. User Device and Connectivity:

- Description: Users have access to reliable internet connections and compatible devices, such as smartphones, tablets, and computers.
- Details: Design native apps and responsive web interfaces for major operating systems (iOS, Android, etc.) to ensure accessibility and usability.

2. User Behaviour and Preferences:

- Description: Users prefer personalized artist recommendations and an easy booking process.
- Details: Conduct user testing and market research to understand user preferences and optimize the user experience.

3. Artist Availability:

- Description: Artists will keep their availability up-to-date and respond promptly to booking requests.
- Details: Implement reminders and notifications for artists to update their schedules and respond to requests in a timely manner.

Dependencies:

1. Third-Party Integrations:

- Description: Integration with social media platforms, analytics tools, and payment gateways.

- Details: Ensure API compatibility and security protocols are in place. Regularly update integrations to maintain functionality.

2. Legal and Compliance Requirements:

- Description: Adherence to regional regulations, copyright laws, and data protection laws (such as GDPR).
- Details: Obtain necessary licenses, implement privacy policies, and consult with legal experts to avoid legal complications and maintain user trust.

3. Customer Support and Operations:

- Description: Operational support for handling technical issues, content updates, and user inquiries.
- Details: Establish customer support channels, monitor platform performance, and implement content moderation guidelines to ensure platform reliability and user satisfaction.

4. Marketing and Outreach:

- Description: Efforts to attract users and artists to the platform.
- Details: Develop and execute marketing strategies, including social media campaigns, SEO, and partnerships with event organizers and artist agencies.

3 External Interfaces

3.1 User Interface:

3.1.1 Web Interface:

The user interface (UI) of the GetYourArtist platform is designed to provide users with a simple and intuitive experience. The UI is divided into sections, each of which caters to a specific functionality. Below is a detailed description of the UI components and their functionality on the platform:

1. Homepage:

Purpose: To provide a comprehensive overview of the platform and its offerings.

Accessories:

- Header: Contains forum logo, navigation menu, search bar, and user login/register button.
- Banner: A nice visual banner showing featured artists and upcoming events.
- Featured Artists: A section highlighting selected artists with profile previews.
- Upcoming Events: A section showing upcoming events with short descriptions and links to all articles.
- Footer: Contains links to social media, contact information, and business plans.

2. User registration and login page

Purpose: To allow users to create an account and access the Platform

Accessories:

- Registration form: Name, email, password, and profile details fields. Added validation message for incorrect input.
- Login Form: Fields for email and password with "forgot password" link.
- Social login: Options to login via social media accounts.

3. Maintenance of artist information

Purpose: To enable artists to create, update and maintain profiles.

Accessories:

- Profile creation form: fields for name, email, biography, portfolio uploads (photos and videos).
- Profile Edit Form: Editable fields for updating personal and professional information.
- Profile Preview: The section that shows the profile.

4. View artist profiles

Purpose: To enable users to view artist profiles and make booking decisions.

Accessories:

- Profile Header: Shows the name of the artist, profile picture.
- Portfolio Section: Showcases the artist's work, which includes snap shots, motion pictures, and audio clips.
- Availability Calendar: Displays the artist's available dates for bookings.
- Booking Button: Allows customers to initiate the booking technique.

5. Search and Booking

Purpose: To facilitate the look for artists and the booking system.

Components:

- Search Bar: Allows customers to look for artists by means of call, region, availability, overall performance type, and rankings.
- Filter Options: Advanced filters to refine search consequences based totally on unique criteria.
- Search Results: A list of artists matching the hunt standards with alternatives to view profiles or e book directly.
- Booking Form: Fields for event information, date, area, and special necessities.
- Booking Confirmation: A summary of the booking information with options to confirm or cancel.

6. Event Management

Purpose: To control occasion bookings, which include introduction, updating, viewing, and cancellation.

Components:

- Create Event Form: Fields for occasion name, date, location, and description.
- Update Event Form: Editable fields for editing event info.
- Event Details Page: Displays all facts associated with the occasion, which includes participants and status.
- Cancel Event Button: Allows users to cancel activities with a confirmation set off.

7. Reviews and Ratings

Purpose: To permit customers to review and charge artists after activities.

Components:

- Review Form: Fields for rating (1-five stars) and written evaluation.
- Review Submission Button: Allows customers to publish their reviews.
- Review Display: Shows submitted reviews and scores at the artist's profile.

8. Notification System

Purpose: To ship notifications to customers and artists about vital updates.

Components:

- Notification Panel: A segment showing current notifications.
- Email Notifications: Templates for reserving confirmations, updates, and cancellations.
- SMS Notifications: Templates for essential updates sent via SMS.

9. Data Security

Purpose: To make certain secure login and authentication, and information encryption.

Components:

- Login Security: Secure login mechanisms with password electricity indicators and two-issue authentication.
- Data Encryption: Ensures touchy information is encrypted during transmission and garage.
- Password Reset: Secure password reset system with email verification.

10. Blogging Page

Purpose: To allow artists to proportion posts about their events and experiences.

Components:

- Create Blog Post Form: Fields for submitting identity, content, and media uploads (pix, videos).
- Blog Post List: Displays a list of weblog posts with alternatives to view, edit, or delete.
- Comment Section: Allows users to comment on blog posts.

3.2 Database Interface:

The database interface of the GetYourArtist platform is critical for dealing with and storing all of the records related to customers, artists, bookings, occasions, and other functionalities. Below is a detailed rationalization of the database interface for the GetYourArtist venture.

Overview:

The database interface serves as the backbone of the GetYourArtist platform, making sure green records storage, retrieval, and control. It interacts with the utility to address person inputs, system requests, and keep the integrity and protection of the facts. The database can be designed using a database management system (DBMS) to provide based and prepared information storage.

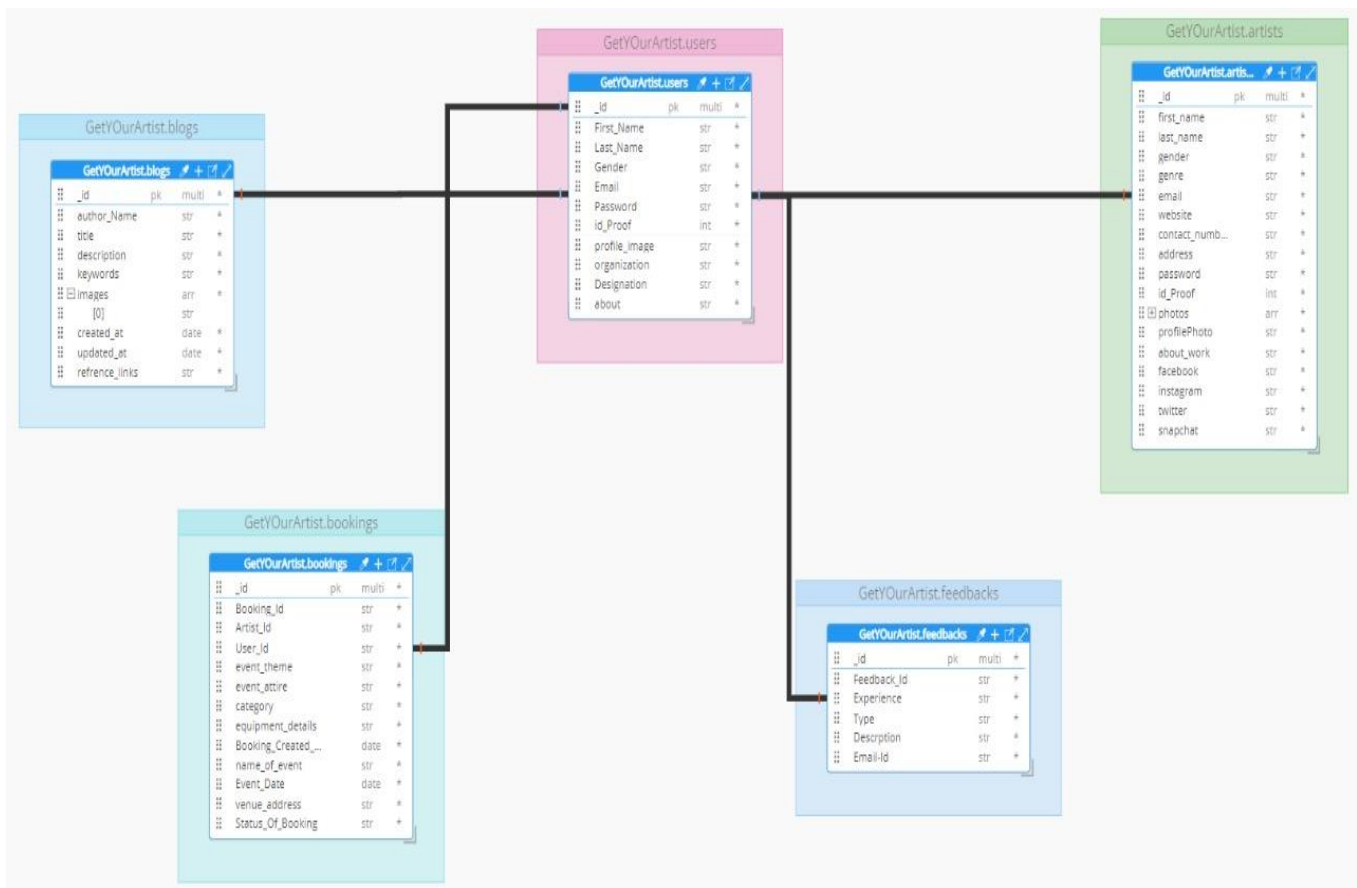


Figure 2: ERD

3.3 Notification and Email Service

Overview:

The GetYourArtist platform integrates with external notification and email services to ensure timely communication with users and artists. This service handles a variety of notifications including booking confirmations, updates, cancellations, and other important alerts.

Notification Service Interface:

The reporting function is responsible for delivering real-time reports to users and designers. This includes in-app notifications, SMS messages. The service integrates with third-party SMS gateways and in-app notification systems to ensure reliable and efficient delivery.

Functional requirements:

- **Booking Notifications:** Sent when a booking is made, renewed or cancelled.
- **Event Reminders:** Sent to users and artists as reminders of upcoming events.
- **General Announcements:** Sent out for platform updates, new features, or other important information.

Email Service Interface:

The e-mail service handles all electronic mail communications dispatched from the GetYourArtist platform. This includes confirmation emails, booking info, reminders, and promotional emails

Functional Requirements:

- **Confirmation Emails:** Sent upon a successful registration, reserving, or profile replacement.
- **Booking Details:** Detailed emails containing reserving records and event information.
- **Reminders:** Emails reminding users and artists of upcoming occasions.
- **Promotional Emails:** Emails about new functions, promotions, and updates.

3.4 Calendar and Scheduling System:

Overview:

The GetYourArtist platform integrates with external calendar and scheduling structures to control occasion bookings and artist availability successfully. This integration permits users to view and control their schedules, making sure no conflicts and presenting reminders for upcoming activities.

Calendar and Scheduling System Interface:

The calendar and scheduling machine is chargeable for showing artist availability, managing bookings, and sending reminders for occasions. This integration is important for making sure that both users and artists can preserve song of their schedules successfully.

Functional Requirements:

1.Calendar Integration:

- Availability Display: Display artist availability in a calendar layout.
- Booking Visualization: Show booked events and open slots within the calendar.

2.Event Scheduling

- Create Events: Users can create events by deciding on available time slots from the artist's calendar.
- Update Events: Users can replace occasion information, which are then meditated inside the calendar.
- Cancel Events: Users can cancel events, and the calendar is up to date for that reason.

3.Reminders and Notifications:

- Event Reminders: Send reminders to users and artists for upcoming activities.
- Conflict Alerts: Notify users if there are scheduling conflicts whilst growing or updating an occasion.

4.Integration with External Calendars:

- Google Calendar: Integration with Google Calendar to sync occasions and availability.