Superstar karaoke APP

SUPERSTAR APP RROJECT

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| --- | --- |
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Documentation

|  |  |  |
| --- | --- | --- |
| Documentation Type | Description | Note |
| Product Requirement Document | Please see this documentation |  |
| User Experience Design documentation | User Experience Design documentation begins at the requirements stage and proceeds through all the stages of development, including the testing and post-release stages. The process of UX design includes research, prototyping, usability testing, and the actual designing part, during which lots of documentation and deliverables are produced |  |
| System Design | **Overview and background:** Briefly describe the main goals of the project, what problems you are trying to solve, and the results you want to achieve.  **Architecture & Design Principles:** Underline the guiding architecture and design principles with which you will engineer the product. For instance, if you plan to structure your solution using microservices architecture, don’t forget to specifically mention this.  **User Story description.** Connect user stories with associated business processes and related scenarios. You should try to avoid technical details in this section.  **Solution details.** Describe the contemplated solution by listing planned services, modules, components, and their importance.  **Diagrammatic representation of the solution.** Provide diagrams and/or other graphic materials to help understand and communicate the structure and design principles. |  |
| Source Code Document | A source code document is a technical section that explains how the code works. While it’s not necessary, the aspects that have the greatest potential to confuse should be covered. The main users of the source code documents are software engineers.  Source code documents may include but are not limited to the following details:   * HTML generation framework and other frameworks applied. * type of data binding. * design pattern with examples (e.g., model-view-controller). * security measures; and * other patterns and principles.   Try to keep the document simple by making short sections for each element and supporting them with brief descriptions. |  |
| QA Documents | * The test case ID * Test case description * Prerequisites * Test steps * Test data * Expected result. * Actual result * Status * Created by * Date of creation * Executed by * Date of execution |  |
| API Document | User Reference of Stripe or Twilio or any other big company |  |

Platform Technology

Frontend

|  |  |  |
| --- | --- | --- |
| **Technology** | **Version** | **Comments** |
| React Native | 0.59 |  |
| JavaScript | ECMAScript |  |

Backend

|  |  |  |
| --- | --- | --- |
| **Technology** | **Versions** | **Comments** |
| NodeJS | 18.16.0 |  |
| MySQL | 8.0.2 |  |
| Postman | 9.4 |  |
| REST API |  |  |

# Introduction

The Chat Module within the Superstar music karaoke app aims to foster seamless communication and collaboration among users. This module provides a feature-rich chat interface that allows users to connect, interact, and share their experiences with each other. By enabling real-time conversations and convenient access to chat-related settings, the Chat Module enhances the social aspect of the app and enriches the overall user experience.

# Project Objectives

**Profile**- Settings/Search Bar/Chat list/Chat box.

The primary objective of the Chat Module within the Superstar music karaoke app is to facilitate seamless communication and interaction among users, thereby enhancing the social and collaborative aspects of the app. This module aims to create an engaging and user-friendly chat environment that fosters connections, encourages collaborations, and promotes a sense of community among users.

# Statement of work

### Mobile App

1. Chat Module

### Users & Access

#### General

|  |  |  |  |
| --- | --- | --- | --- |
| Users | User Information | User Performances | User Subscription |
| Management Team | Access | Access | Access |
| Users | Access | Access | Access |

#### Roles

* User

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Modules | Create | Edit | Update | Delete | Export | Records |
| User Information | Access | Access | Access | No Access | No Access | Own |
| User Performances | Access | Access | Access | No Access | No Access | Own |
| User Subscription | Access | Access | Access | Access | No Access | Own |

# Software Requirements

A diagram of a company

Description automatically generated

## Search Bar

### Introduction

The Search Bar module within the Superstar music karaoke app enhances user engagement by allowing seamless search functionality. It enables users to find songs, other users, and content, thereby enriching their overall app.

### Background

As the Superstar app continues to grow its user base, providing an efficient search mechanism becomes crucial. The Search Bar module addresses this need by offering users a convenient way to search for songs, fellow users, and other content. This module is designed to simplify user interactions within the app, promoting smoother navigation and content discovery.

### Customer Research

None

### Release

|  |  |
| --- | --- |
| Target Releases | 1.0 |
| Epic | Singing |
| Document Status | Draft |
| Document Owner | Yagyani |
| Designer | Sharvil |
| Developer | Meru & Deepak |
| QA | Yagyani |

### Requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | User Story | Description | Priority | Notes |
| 1 | As a user of the Superstar music karaoke app,  I want to utilize the search bar to find songs and other users efficiently, so that I can easily access content and connect with other users for collaborations. | The search bar should be prominently displayed at the top of the app's interface, easily accessible from any screen. When I input keywords or terms into the search bar and initiate the search, the app should display relevant results in real-time. The results should include matching song titles, artist names, and usernames. |  | * The search bar should offer auto-suggestions as I type, helping me quickly identify popular or relevant search terms. * Upon selecting a search result, I should be directed to the corresponding song's details or the user's profile page. * The search results should be displayed in a clear and organized manner, prioritizing exact matches before similar or related results. |

### Data Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Fields | Type | Variables | Note |
| Search | String | searchQuery | Represents the text entered by the user in the search bar.. |
| Search Result | List | searchResults | Stores the list of matching songs, artists, or users based on the user's search query. |
| Search Typing | Boolean | isTyping | Indicates whether the user is currently typing in the search bar or not. This helps trigger auto-suggestions and real-time search. |

### Questions

Below is a list of questions to be addressed because of this requirements documents:

|  |  |
| --- | --- |
| Question | Outcome |
|  |  |
|  |  |
|  |  |

### Not Doing

### User Interface & Design

Exact user interface and design is available at <https://www.figma.com/proto/IiJCR9f39xj60n11HOALMY/Music-karaoke-app?type=design&node-id=2213-26682&t=0CH2iBG6gNSYFoY7-0&scaling=scale-down&page-id=6%3A3887&starting-point-node-id=2213%3A22310>

A screenshot of a cell phone

Description automatically generated

## Settings

### Introduction

The Superstar app is a music karaoke platform that allows users to interact through chat while enjoying their favorite music. This document outlines the functional requirements for the Chat Settings module within the app. This module empowers users to personalize their chat experience, manage notifications, and customize the chat interface to their preferences.

### Background

The Superstar app is designed to enhance users' music and social experience by integrating a chat module. Users can connect with each other, share thoughts, and discuss music-related topics. The Chat Settings module aims to provide users with control over their chat environment, enabling them to manage notifications and customize the chat appearance.

### Customer Research

None

### Release

|  |  |
| --- | --- |
| Target Releases | 1.0 |
| Epic | Singing |
| Document Status | Draft |
| Document Owner | Yagyani |
| Designer | Sharvil |
| Developer | Meru & Deepak |
| QA | Yagyani |

### Requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | User Story | Description | Priority | Notes |
| 1 | Configure Chat Settings in Superstar App | As a user of the Superstar music karaoke app, I want the ability to configure chat-related settings so that I can personalize my chat experience and manage my interactions with other users seamlessly. |  | This feature ensures that users have control over their chat preferences, allowing them to tailor their experience according to their needs. |
| 2 | Notification Settings | As a user, I want to control my notification preferences for chat messages. I should be able to enable or disable push notifications for new messages, message previews, and sound notifications. Additionally, I want to set a "Do Not Disturb" mode for specific time periods when I don't want to receive notifications. |  | This feature empowers users to manage their notification flow, ensuring that they remain informed without disruptions during their preferred quiet times. |
| 3 | Chat Appearance Customization | As a user, I should have the option to customize the appearance of the chat interface. I want choices for different chat bubble styles and color themes. Furthermore, I want to choose between light and dark themes for the chat interface. |  | This feature allows users to make the chat interface visually appealing and aligned with their preferences, enhancing the overall user experience. |

### Data Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Fields | Type | Variables | Note |
| Notification | Boolean | isMessageNotificationEnabled | This variable stores the user's preference for enabling or disabling push notifications for new messages. |

### Questions

Below is a list of questions to be addressed because of this requirements documents:

|  |  |
| --- | --- |
| Question | Outcome |
|  |  |
|  |  |
|  |  |

### Not Doing

### User Interface & Design

<https://www.figma.com/proto/IiJCR9f39xj60n11HOALMY/Music-karaoke-app?type=design&node-id=3038-4660&t=0CH2iBG6gNSYFoY7-0&scaling=scale-down&page-id=6%3A3887&starting-point-node-id=2213%3A22310>

A screen shot of a phone

Description automatically generated

## Chat List

### Introduction

The Chat List module is a vital component of the Superstar music karaoke app, enhancing user engagement and interaction. It enables users to effortlessly manage their chat conversations with other users while seamlessly integrating with the app's karaoke functionalities. This document outlines the specifications, user stories, and data types associated with the Chat List module.

### Background

In the Superstar app, the Chat List module is designed to provide users with a centralized space to access their ongoing and past chat conversations. Users can easily navigate between different chat threads, initiate new conversations, and access chat-related settings. This module fosters communication and social interaction among users, allowing them to connect over their shared passion for music and karaoke.

### Customer Research

None

### Release

|  |  |
| --- | --- |
| Target Releases | 1.0 |
| Epic | Singing |
| Document Status | Draft |
| Document Owner | Yagyani |
| Designer | Sharvil |
| Developer | Meru & Deepak |
| QA | Yagyani |

### Requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | User Story | Description | Priority | Notes |
| 1 | View Chat List | As a user, I want to see a list of my ongoing chat conversations on the main chat screen. |  | * The chat list should display profile pictures, usernames, and the most recent message preview for each chat. * Each chat entry should be tappable to open the respective chat thread. |
| 2 | Start New Chat | As a user, I want to initiate a new chat conversation with another app user. |  | * The user should be able to search for other users using the search bar. * Tapping on a search result should provide an option to start a new chat with that user. |
| 3 | Access Chat Settings | As a user, I want to access chat-related settings to customize my chat experience. |  | * The chat settings should be accessible through a settings icon in the chat interface. * Users should be able to configure notification preferences and chat appearance. |

### Data Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Fields | Type | Variables | Note |
| Chat Conversation | ChatConversation | chatConversation | Represents a single chat conversation between two users. |
| User | User | user | Represents a user of the Superstar app. |
| Last Message | LastMessage | lastMessage | Represents the most recent message in a chat conversation. |

### Questions

Below is a list of questions to be addressed because of this requirements documents:

|  |  |
| --- | --- |
| Question | Outcome |
|  |  |
|  |  |
|  |  |

### Not Doing

### User Interface & Design

Exact user interface and design id given below.

<https://www.figma.com/proto/IiJCR9f39xj60n11HOALMY/Music-karaoke-app?type=design&node-id=2213-26682&t=0CH2iBG6gNSYFoY7-0&scaling=scale-down&page-id=6%3A3887&starting-point-node-id=2213%3A22310>

A screenshot of a cell phone

Description automatically generated

## Chat Box

### Introduction

The Chat Box module is a core feature of the Superstar music karaoke app, facilitating real-time communication between users. This module encompasses various functionalities such as text messaging, media sharing, and expression through emojis. It aims to provide an engaging and seamless chat experience to enhance user interaction within the app.

### Background

The Superstar app has gained popularity as a music karaoke platform, enabling users to share their performances and connect with other music enthusiasts. Recognizing the importance of user engagement, the app is introducing the Chat Box module to allow users to communicate effectively while sharing their passion for music.

### Customer Research

None

### Release

|  |  |
| --- | --- |
| Target Releases | 1.0 |
| Epic | Singing |
| Document Status | Draft |
| Document Owner | Yagyani |
| Designer | Sharvil |
| Developer | Meru & Deepak |
| QA | Yagyani |

### Requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | User Story | Description | Priority | Notes |
| 1 | Configure Chat Settings in Superstar App | As a user of the Superstar music karaoke app, I want the ability to configure chat-related settings, so that I can personalize my chat experience and manage my interactions with other users seamlessly. |  | * Access to chat settings should be intuitive and easily reachable from the app's main interface. * Users should have the flexibility to control their notification preferences and appearance of the chat interface. |

### Data Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Fields | Type | Variables | Note |
| Notification | Text | notificationPreference | Represents the user's choice for notification settings, including options for new message alerts, previews, and sound notifications. |
| Chat | Enum | chatAppearance | Defines the appearance choices for the chat interface, including different bubble styles and color themes. |
| Image | Image | insertedImage | Represents an image inserted into the chat. Images can be shared from the device's gallery or taken using the in-app camera. |
| Typed Message | Text | typedMessage | Represents the text typed by the user in the chat's typing field. |
| Emoji | Emoji | selectedEmoji | Represents the emoji selected by the user from the emoji picker. Emojis are a way for users to express their emotions and reactions. |
| Button | Button | sendButton | Represents the button used to send messages in the chat. When clicked, it transmits the typed message or selected media to the recipient. |

### Questions

Below is a list of questions to be addressed because of this requirements documents:

|  |  |
| --- | --- |
| Question | Outcome |
|  |  |
|  |  |
|  |  |

### Not Doing

### User Interface & Design

A cell phone with text messages

Description automatically generatedExact user interface and design is available at <https://www.figma.com/proto/IiJCR9f39xj60n11HOALMY/Music-karaoke-app?type=design&node-id=3303-3905&t=0CH2iBG6gNSYFoY7-0&scaling=scale-down&page-id=6%3A3887&starting-point-node-id=2213%3A22310> 