

# **SingIt**

## **A PROJECT REPORT**

*Submitted by*

AGRAWAL NIMIT A. ET24MTCA069

CHAUHAN AAYUSH D. ET24MTCA073

SARIYA DHRUV J. ET24MTCA122

Under the Guidance Of

**Prof. KARUNA N. PATEL**

In fulfillment for the **subject *Mobile App Development with Web (MTCA16304)***

Master of Computer Application

At



**Sarvajanik College of Engineering & Technology, Surat**

**November, 2025**



**Sarvajanik Education Society**  
**Sarvajanik College of Engineering & Technology, Surat.**  
**Department of Computer Application**  
**Academic Year 2025-26**



Date:

### CERTIFICATE

This is to certify that the project entitled “PROJECT TITLE” has been submitted by

AGRAWAL NIMIT A. ET24MTCA069 CHAUHAN AAYUSH D. ET24MTCA073 SARIYA  
DHRUV J. ET24MTCA122 towards fulfillment for the subject **Mobile App Development with Web (MTCA16304)** in 3<sup>rd</sup> Semester of MCA of Sarvajanik University, Surat during the academic year 2025-26.

Prof. KARUNA N. PATEL

(Guides' Signature)

**Dr. Gayatri Kapadia**  
**(Head, M.C.A. Department)**

Examiners' Signature:

1. \_\_\_\_\_

2. \_\_\_\_\_

## Acknowledgements

We Agrawal Nimit , Chauhan Aayush , Sariya Dhruv have the opportunity to express our knowledge. We would like to express our gratitude to all those who gave us the possibility to complete our project. Success is such a comprehensive project can't achieve single-handed. so, we would like to express our sincere thanks to all the dignitaries who were involved in making this project the great joy and turning it our into successful piece of work.

We are also indebted to our professor **Prof. Karuna N. Patel** who provided constant encouragement, support & valuable guidance before and during our project. It was her effort who led me to this place for project work. Her guidance and suggestion were invaluable.

We also like to thanks our all the professor who are always ready to give best guide. They are the person who give solution whenever needed.

Thank you.

Agrawal Nimit A. [ET24MTCA069] \_\_\_\_\_

Chauhan Aayush D. [ET24MTCA73] \_\_\_\_\_

Sariya Dhruv J. [ET24MTCA122] \_\_\_\_\_

# INDEX

Sr.No	Content	Page No.
1.	Introduction 1.1. Proposed system and its Objectives 1.2. Core Components 1.3. Minimum and Maximum Software/Hardware requirements 1.4. Advantages and Limitations of the Proposed System	
2.	Requirement Determination & Analysis 2.1. Requirement Determination 2.2. Targeted Users	
3.	System Design 3.1. Use Case Diagram 3.2. Class Diagram 3.3. Interaction Diagram 3.4. Activity Diagram 3.5. Data Dictionary	
4.	Agile Documentation 4.1. Agile Project Charter 4.2. Agile Roadmap / Schedule 4.3. Agile Project Plan 4.4. Agile User Story ( Minimum 3 Tasks) 4.5. Agile Release Plan 4.6. Agile Sprint Backlog 4.7. Agile Test Plan 4.8. Earned-value and burn charts	
5.	Screenshots	
6.	Proposed Enhancements	
7.	Conclusion	
8.	Bibliography	

# 1. INTRODUCTION

## 1.1 PROPOSED SYSTEM AND ITS OBJECTIVES

The proposed system, **SingIT**, is an Android-based interactive karaoke application designed to enhance the user's singing experience through real-time audio processing and synchronized lyrics display. The system intelligently separates each song into three components: the original track with lyrics, the user's vocal recording, and the instrumental (karaoke) version. A dynamic sound-bar mechanism is integrated to allow users to seamlessly switch or blend between these audio modes, creating a customizable listening and singing environment. The system further supports accurate lyric synchronization to guide users while they perform. Additionally, users can record their own vocals, which are then processed and overlaid onto the instrumental track, enabling them to create personalized karaoke mixes directly within the app. This proposed system aims to deliver a smooth, engaging, and highly interactive karaoke platform optimized for mobile devices.

### Objectives :-

- To develop an Android application that allows users to enjoy music in three distinct modes – original song with lyrics, user's vocal recording, and instrumental (karaoke) version.
- Users can sign up, log in, and manage their accounts.
- To implement a **sound bar controller** that enables smooth switching or blending between original vocals, user vocals, and instrumental tracks.
- To allow users to **record their own vocals** and overlay them on instrumental tracks.
- To create a **user-friendly interface** that makes music interaction enjoyable and intuitive.

## 1.2 CORE COMPONENTS

### User:

- Register & Login
- Can view Artist and genre
- View and manage History and Playlist
- View song details
- Users can also record their voice and can equalizer songs
- Can also add Favourites

### Admin:

- Can manage Genre, Artist and Languages
- Can view users

- Can set today's special
- Manage Slider

### 1.3. Minimum and Maximum Software/Hardware requirements

#### • Hardware Requirement

RAM	4 GB or above
Processor	Intel core i3 or above
Hard Disk	100 GB
Internet Connection	Stable broadband connection

#### • Software Requirement

Operating System	Windows 10 / Linux / macOS
Web Server	XAMPP(v3.3.0)
Front-End Technologies	HTML5, CSS3, Bootstrap5, JavaScript, JSON, AJAX, Flutter
Back-End	PHP (8.2.12)
Database	MySQL(5.7)
Code Editor	VS Code, Android Studio

### 1.4 Advantages and Limitations of the Proposed System

#### Advantages

- **Dynamic Audio Control** – Users can smoothly switch or blend between the original track, karaoke version, and their own vocals using the sound-bar.
- **Real-Time Lyric Synchronization** – Accurate lyric timing helps users sing along easily and improves performance.
- **Personalized Vocal Recording** – Users can record their voice and overlay it with the instrumental track to create custom karaoke mixes.
- **Enhanced Karaoke Experience** – The system provides an interactive, engaging, and easy-to-use platform for singing and practicing anytime on mobile.

#### Limitations

- **Audio Quality Issues** – Vocal and instrumental separation may not always be 100% accurate, leading to background noise or distortion.
- **Performance Constraints** – Real-time processing of songs requires high CPU/GPU power, which may affect performance on low-end Android devices.
- **Internet Dependency** – Streaming and Storing may need a stable internet connection as it directly been stored on Cloud.
- **Background Noise in Recording** – User's recording quality depends on the device microphone and environment.

## 2. REQUIREMENTS DETERMINATION & ANALYSIS

### 2.1 Requirement Determination

The requirement determination process focuses on understanding what the SingIT karaoke system needs to achieve. Information is collected through user observations, existing karaoke app studies, and understanding user expectations. The core needs identified include real-time lyric synchronization, audio separation, smooth switching between tracks, and the ability for users to record and mix their vocals with the instrumental track. These requirements form the foundation for developing an interactive and user-friendly Android karaoke application.

#### Requirement Analysis

The gathered requirements are analysed to define the system's functional and non-functional expectations.

##### ➤ Functional Requirements

- Display synchronized lyrics during playback.
- Separate audio into original vocals, instrumental track, and user vocal recording.
- Allow switching or blending between audio modes via the sound-bar.
- Record the user's voice and mix it with the instrumental.
- Provide playback options for the mixed recording.

##### ➤ Non-Functional Requirements

- **Performance:** Smooth real-time audio processing with minimal delay.
- **Usability:** Simple and intuitive user interface for all age groups.
- **Reliability:** Stable playback and recording without crashes.
- **Security:** Proper handling of user audio files and storage permissions.

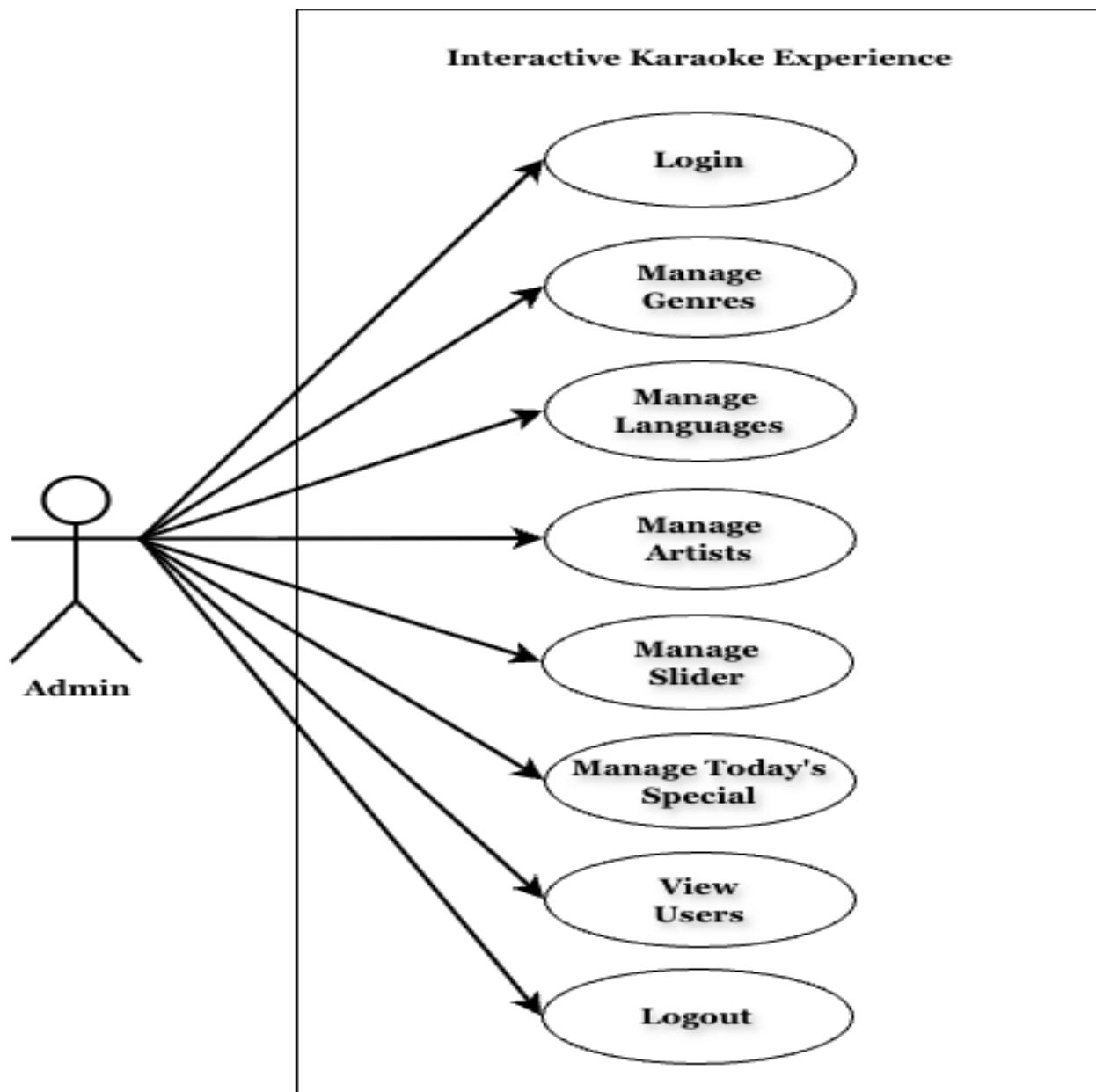
### 2.2 Targeted Users

- **Music Enthusiasts:** Users who enjoy singing and practicing karaoke.
- **Aspiring Singers:** Individuals who want to improve their vocal skills using audio blending and recording features.
- **General Users:** Anyone seeking entertainment through an easy-to-use karaoke app.
- **Content Creators:** Users who want to create custom karaoke mixes for social media or personal use.

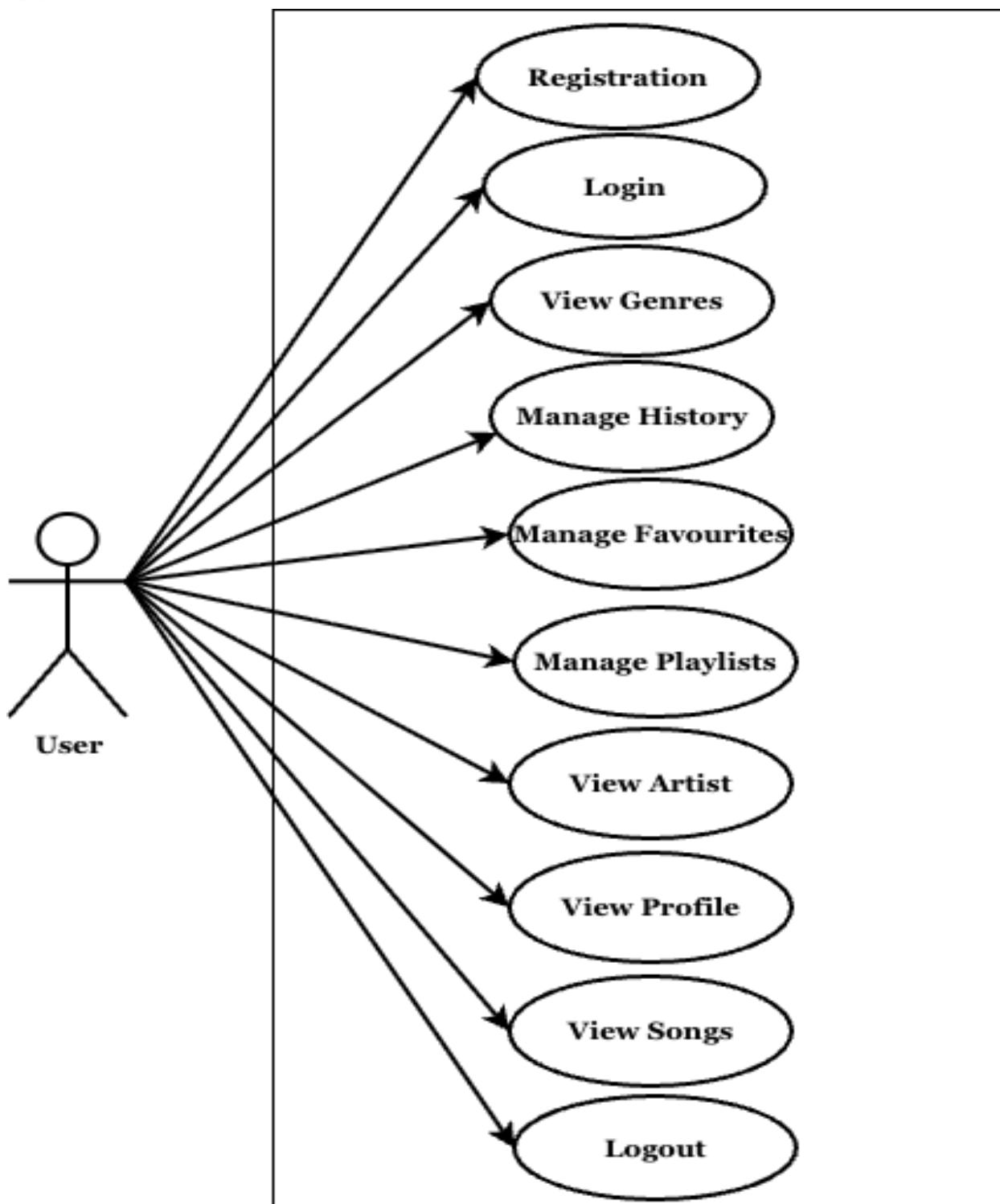
### 3. System Design

#### 3.1 Use-Case Diagram:

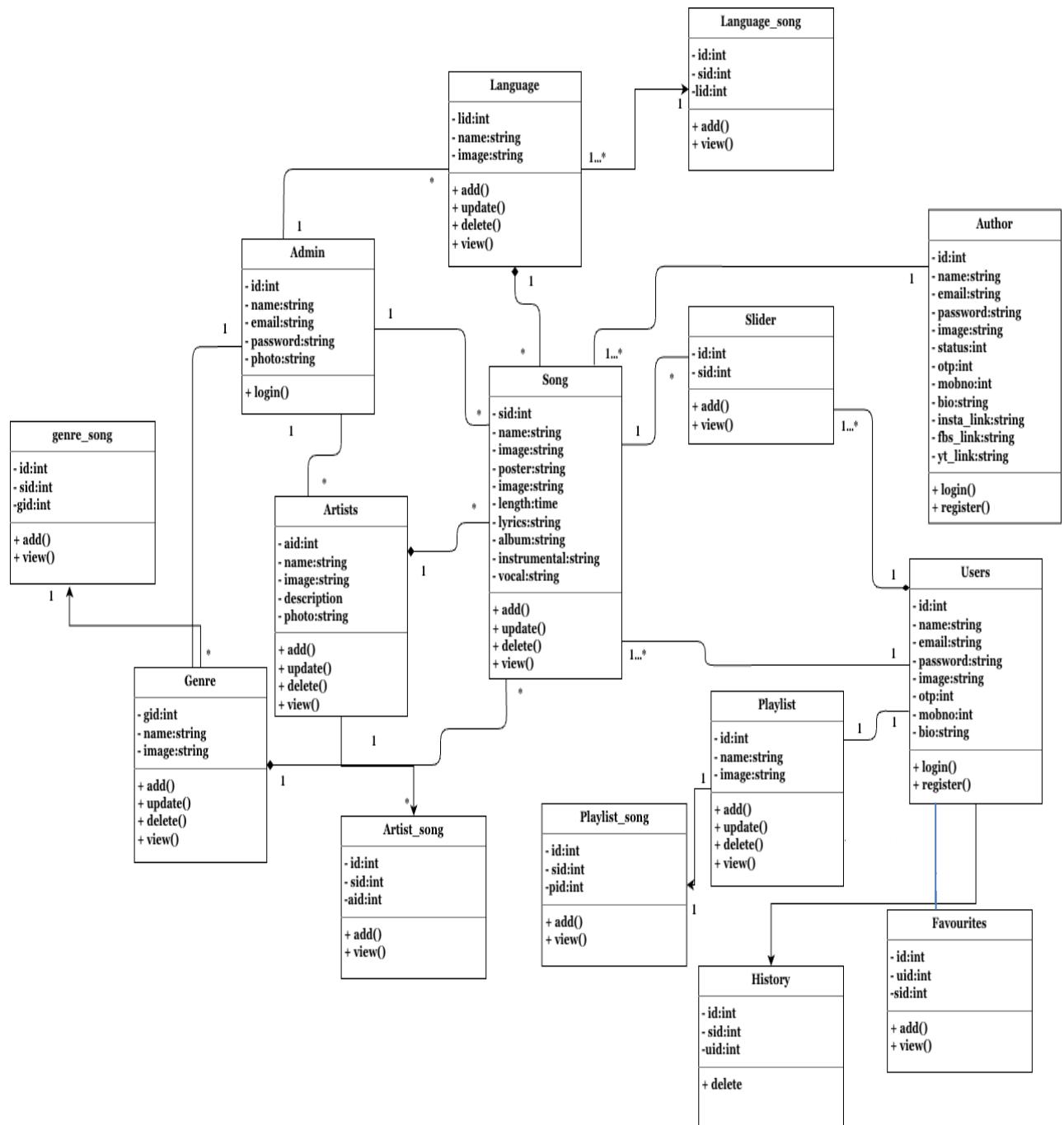
Admin:-



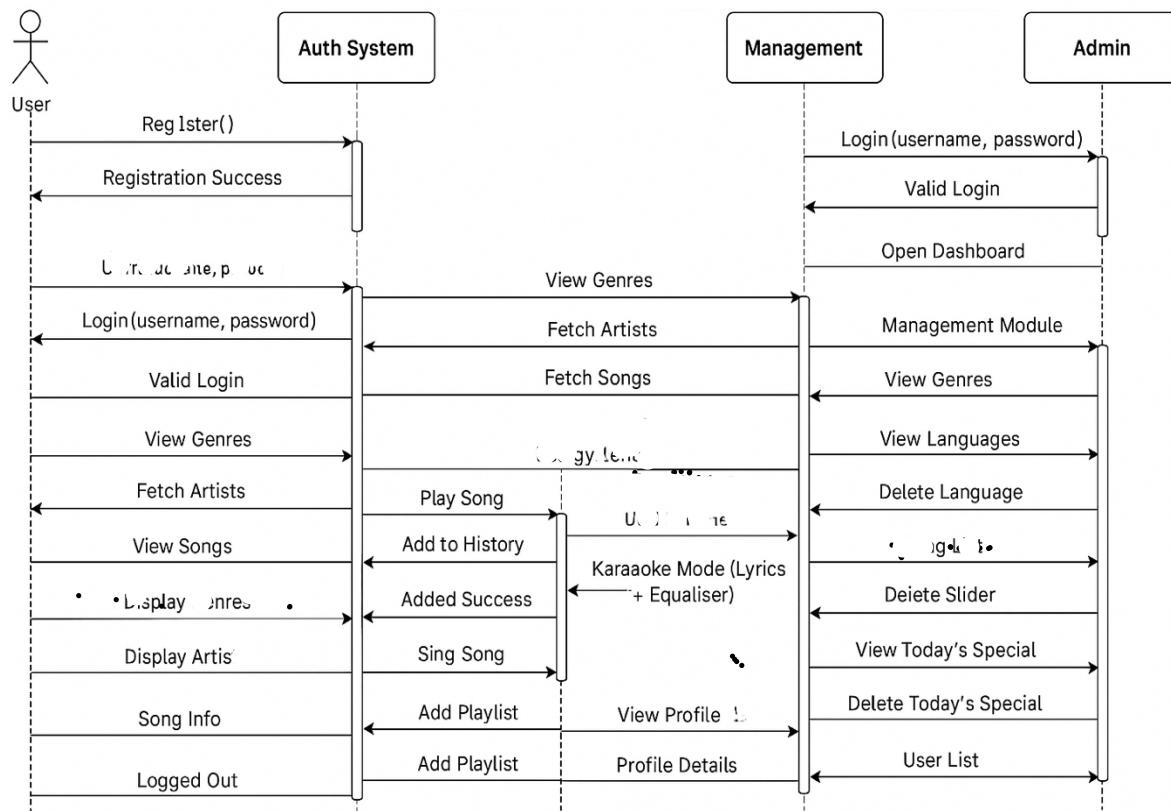
User:-



## 3.2 Class- Diagram:

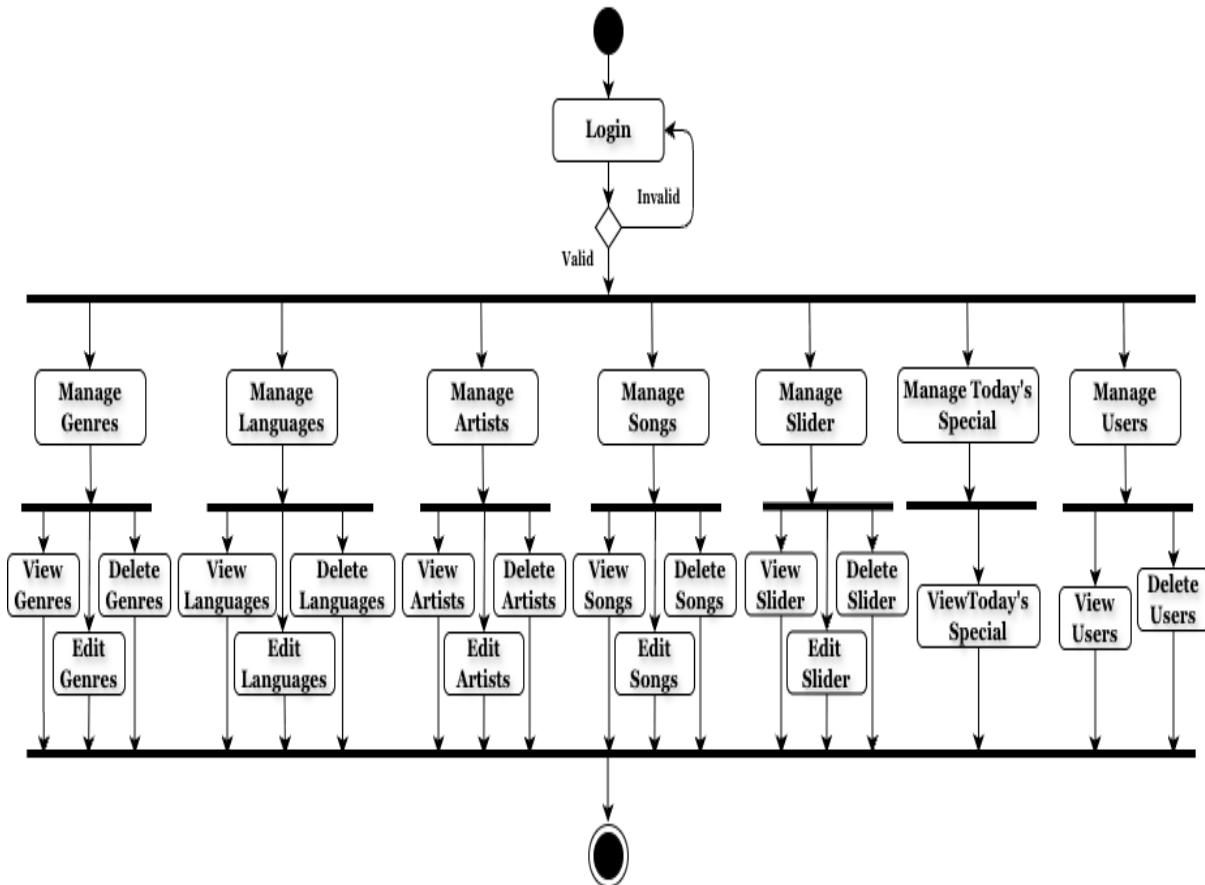


### 3.3 Interaction-Diagram:

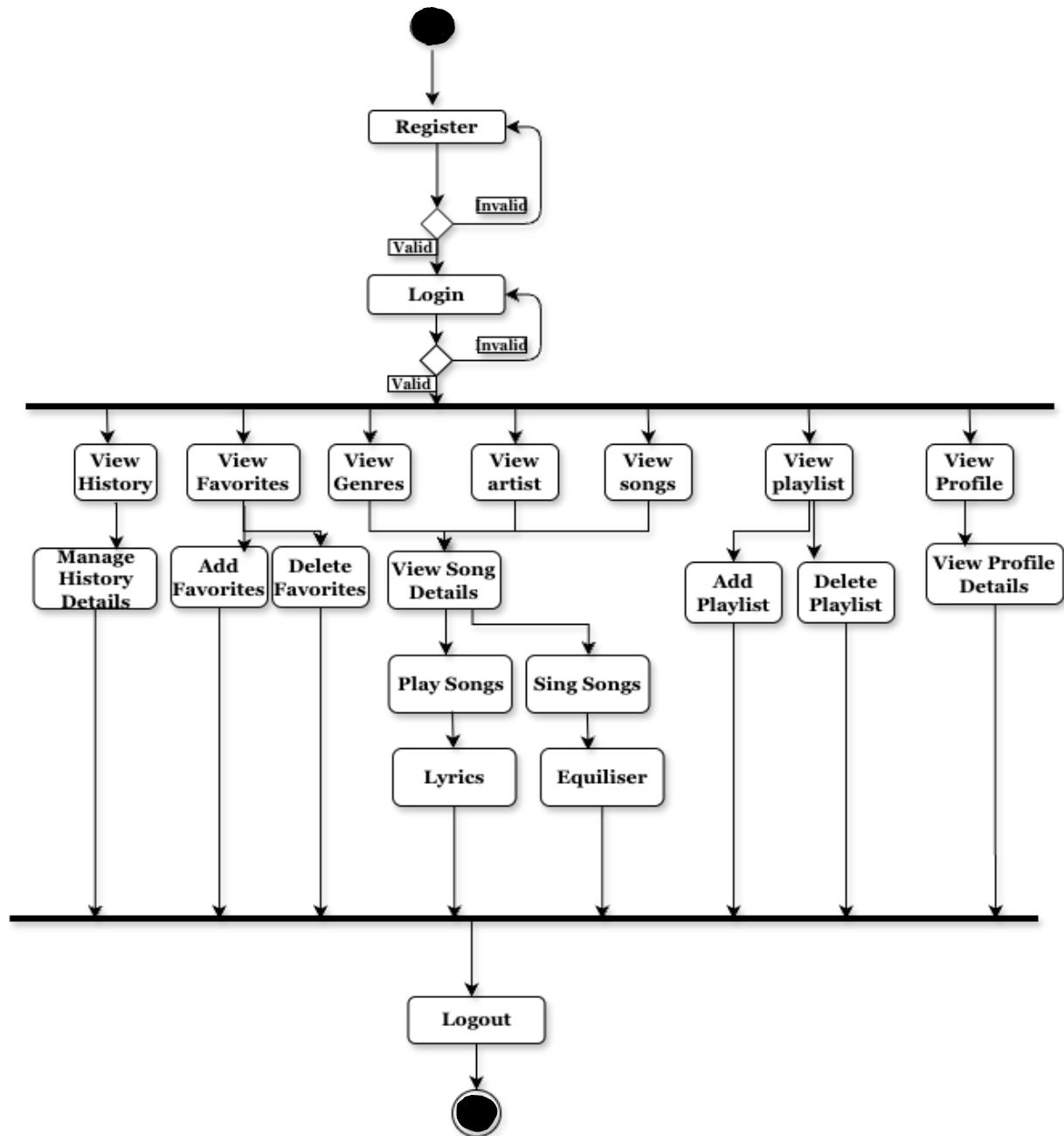


### 3.4 Activity-Diagram:

**Admin:**



## User:-



### **3.5Data-Dictionary:**

#### **Admin-Table:**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Admin Id
2.	name	varchar (20)	NOT NULL	Admin Name
3.	email	varchar (50)	NOT NULL	Admin Email Id
4.	password	varchar (255)	NOT NULL	Password
5.	photo	varchar (255)	NOT NULL	Admin Image

#### **Artist-Table:**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Admin Id
2.	name	varchar (20)	NOT NULL	Admin Name
3.	email	varchar (50)	NOT NULL	Admin Email Id
4.	password	varchar (255)	NOT NULL	Password
5.	photo	varchar (255)	NOT NULL	Admin Image

### User-Table:

SR NO.	NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	id	int (11)	Primary Key	User Id
2.	name	varchar (20)	NOT NULL	User Name
3.	email	varchar (50)	NOT NULL	User Email Id
4.	password	varchar (255)	NOT NULL	Password
5.	photo	varchar (255)	NOT NULL	User Image

### Genre-Table:

SR NO.	NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	gid	int (11)	Primary Key	Genre Id
2.	name	varchar(10)	NOT NULL	Genre Name
3.	image	varchar(255)	NOT NULL	Genre Image

### Artist-Song Table:

SR NO.	NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	id	int (11)	Primary Key	Id
2.	song_id	int (11)	Foreign Key	Song Id
3.	artist_id	int (11)	Foreign Key	Artist id

### **Genre-Song Table:**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Id
2.	song_id	int (11)	Foreign Key	Song Id
3.	genre_id	int (11)	Foreign Key	Genre id

### **Song-Table:**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	sid	int (10)	Primary Key	Song Id
2.	name	varchar(50)	NOT NULL	Name
3.	image	varchar(255)	NOT NULL	Photo
4.	length	time	NOT NULL	Length
5.	lyrics	text	NOT NULL	Lyrics
6.	album	varchar(100)	NOT NULL	Album Name
7.	instrumental	varchar(255)	NOT NULL	Instrumental Music
8.	vocal	varchar(255)	NOT NULL	Vocal Music

### **Favorite-Table**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Id
2.	song_id	int (11)	Foreign Key	Song Id
3.	user_id	int (11)	Foreign Key	User id

### **History-Table:**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Id
2.	song_id	int (11)	Foreign Key	Song Id
3.	User_id	int (11)	Foreign Key	User id

### **Language-Table:**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Id
2.	name	int (11)	String	Language-Name
3.	image_id	int (11)	Foreign Key	Image id

### **Language-Song:**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Id
2.	song_id	int (11)	Foreign Key	Song Id
3.	lid	int (11)	Foreign Key	Language id

### **Playlist:-**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Id
2.	name	string	NOT NULL	Song Name
3.	image	string	NOT NULL	Image url

### **Playlist-Song Table:**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Id
2.	song_id	int (11)	Foreign Key	Song Id
3.	pid	int (11)	Foreign Key	Playlist id

### **Slider Table:**

<b>SR NO.</b>	<b>NAME</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>	<b>DESCRIPTION</b>
1.	id	int (11)	Primary Key	Id
2.	song_id	int (11)	Foreign Key	Song Id

# AGILE DOCUMENTATION

## 4.1. Agile Project Charter

General Project Details	
<b>Project Name</b>	SingIT
<b>Project By</b>	Nimit Aayush Dhruv
<b>Start Date</b>	01 / July / 2025
<b>End Date</b>	15 / Nov / 2025

## 4.2 Agile Roadmap / Schedule

Phase	Duration	Deliverables
Requirement Gathering	01–10 July 2025	SRS, user stories
UI/UX Design	11–25 July 2025	Wireframes, layout
Database + Backend Setup	26 July – 10 Aug 2025	ERD, API setup
Core Development – Part 1	11 Aug – 10 Sept 2025	Player, lyrics sync
Core Development – Part 2	11 Sept – 10 Oct 2025	Sound-bar, recording
System Integration	11 – 25 Oct 2025	Combine modules
Testing + Fixing	26 Oct – 10 Nov 2025	Test reports
Final Review & Submission	11 – 15 Nov 2025	Final build

## 4.3 Agile Project Plan

Release	Task Name	Responsible	Start	End	Days	Status
Release 1 – Core Foundation Build	UI Wireframe Design	Nimit	05 Jul 2025	12 Jul 2025	7	Completed
Release 1 – Core Foundation Build	Database Schema + ERD	Aayush	08 Jul 2025	18 Jul 2025	10	Completed

Release 1 – Core Foundation Build	Song Loading Module	Aayush	15 Jul 2025	30 Jul 2025	15	Completed
Release 1 – Core Foundation Build	Lyrics Sync Engine	Dhruv	20 Jul 2025	05 Aug 2025	16	Completed
Release 2 – Audio Engine + Mode Switching	Sound-Bar UI Development	Nimit	10 Aug 2025	20 Aug 2025	10	Completed
Release 2 – Audio Engine + Mode Switching	Audio Track Switching Backend	Aayush	12 Aug 2025	02 Sep 2025	21	Completed
Release 2 – Audio Engine + Mode Switching	Audio Blending Algorithm	Dhruv	15 Aug 2025	05 Sep 2025	21	Completed
Release 3 – Vocal Recording & Mixing	Recording UI	Nimit	10 Sep 2025	20 Sep 2025	10	Completed
Release 3 – Vocal Recording & Mixing	Audio Storage API	Aayush	12 Sep 2025	30 Sep 2025	18	Completed
Release 3 – Vocal Recording & Mixing	Vocal + Instrumental Mixer	Dhruv	15 Sep 2025	05 Oct 2025	20	Completed
Release 4 – User Personalization & Library	Playlist Module UI	Nimit	06 Oct 2025	15 Oct 2025	9	Completed

Release 4 – User Personalization & Library	Favorites & History Backend	Aayush	07 Oct 2025	22 Oct 2025	15	Completed
Release 4 – User Personalization & Library	Filters (Artist/Genre/Language)	Dhruv	10 Oct 2025	25 Oct 2025	15	Completed
Release 5 – Final Release & Deployment	Final UI Polish	Nimit	28 Oct 2025	05 Nov 2025	8	Completed
Release 5 – Final Release & Deployment	Backend Optimization	Aayush	28 Oct 2025	08 Nov 2025	11	Completed
Release 5 – Final Release & Deployment	QA Testing & Bug Fixing	Dhruv	01 Nov 2025	12 Nov 2025	11	Completed
Release 5 – Final Release & Deployment	Deployment Package	All Members	12 Nov 2025	15 Nov 2025	3	Completed

## **4.4 Agile User Story**

### **User Story 1 – UI Display**

**As a user, I didn't like the App UI.**

**Tasks:**

1. Build lyrics display UI
2. Implement time-based highlighting
3. Test scrolling speed & timing

### **User Story 2 – Song Commenting**

**As a user, I want to comment on songs so that artist can edit their songs**

**Tasks:**

1. Make system that I can rate songs.
2. I want to also make comments on songs

### **User Story 3 – Vocal Recording Download**

**As a user, I want to download my own recorded singing with instrumental music.**

**Tasks:**

1. Implement AudioRecord API
2. Save and mix recorded audio
3. Add playback of mixed output
4. Improve noise handling

## 4.5 Agile Release Plan

Release	Task Name	Responsible	Start	End	Days	Status
Release 1 – Core Foundation Build	UI Wireframe Design	Nimit	05 Jul 2025	12 Jul 2025	7	Completed
Release 1 – Core Foundation Build	Database Schema + ERD	Aayush	08 Jul 2025	18 Jul 2025	10	Completed
Release 1 – Core Foundation Build	Song Loading Module	Aayush	15 Jul 2025	30 Jul 2025	15	Completed
Release 1 – Core Foundation Build	Lyrics Sync Engine	Dhruv	20 Jul 2025	05 Aug 2025	16	Completed
Release 2 – Audio Engine + Mode Switching	Sound-Bar UI Development	Nimit	10 Aug 2025	20 Aug 2025	10	Completed
Release 2 – Audio Engine + Mode Switching	Audio Track Switching Backend	Aayush	12 Aug 2025	02 Sep 2025	21	Completed
Release 2 – Audio Engine + Mode Switching	Audio Blending Algorithm	Dhruv	15 Aug 2025	05 Sep 2025	21	Completed
Release 3 – Vocal Recording & Mixing	Recording UI	Nimit	10 Sep 2025	20 Sep 2025	10	Completed
Release 3 – Vocal Recording & Mixing	Audio Storage API	Aayush	12 Sep 2025	30 Sep 2025	18	Completed
Release 3 – Vocal Recording & Mixing	Vocal + Instrumental Mixer	Dhruv	15 Sep 2025	05 Oct 2025	20	Completed
Release 4 – User Personalization & Library	Playlist Module UI	Nimit	06 Oct 2025	15 Oct 2025	9	Completed

Release 4 – User Personalization & Library	Favorites & History Backend	Aayush	07 Oct 2025	22 Oct 2025	15	Completed
Release 4 – User Personalization & Library	Filters (Artist/Genre/Language)	Dhruv	10 Oct 2025	25 Oct 2025	15	Completed
Release 5 – Final Release & Deployment	Final UI Polish	Nimit	28 Oct 2025	05 Nov 2025	8	Completed
Release 5 – Final Release & Deployment	Backend Optimization	Aayush	28 Oct 2025	08 Nov 2025	11	Completed
Release 5 – Final Release & Deployment	QA Testing & Bug Fixing	Dhruv	01 Nov 2025	12 Nov 2025	11	Completed
Release 5 – Final Release & Deployment	Deployment Package	All Members	12 Nov 2025	15 Nov 2025	3	Completed

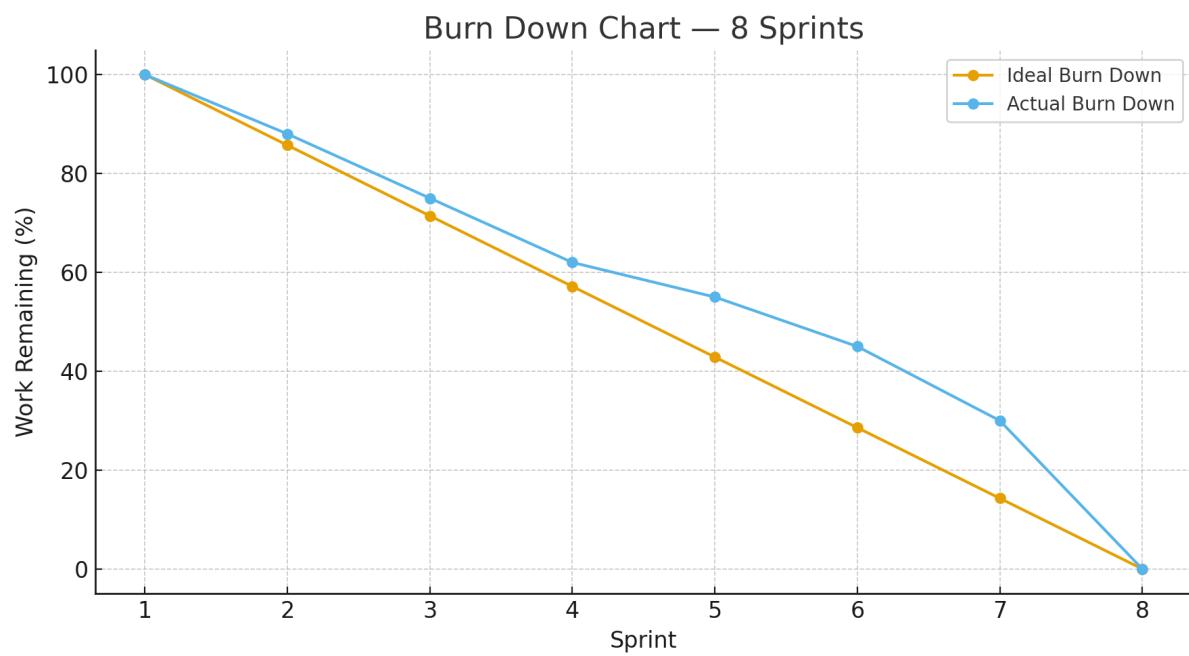
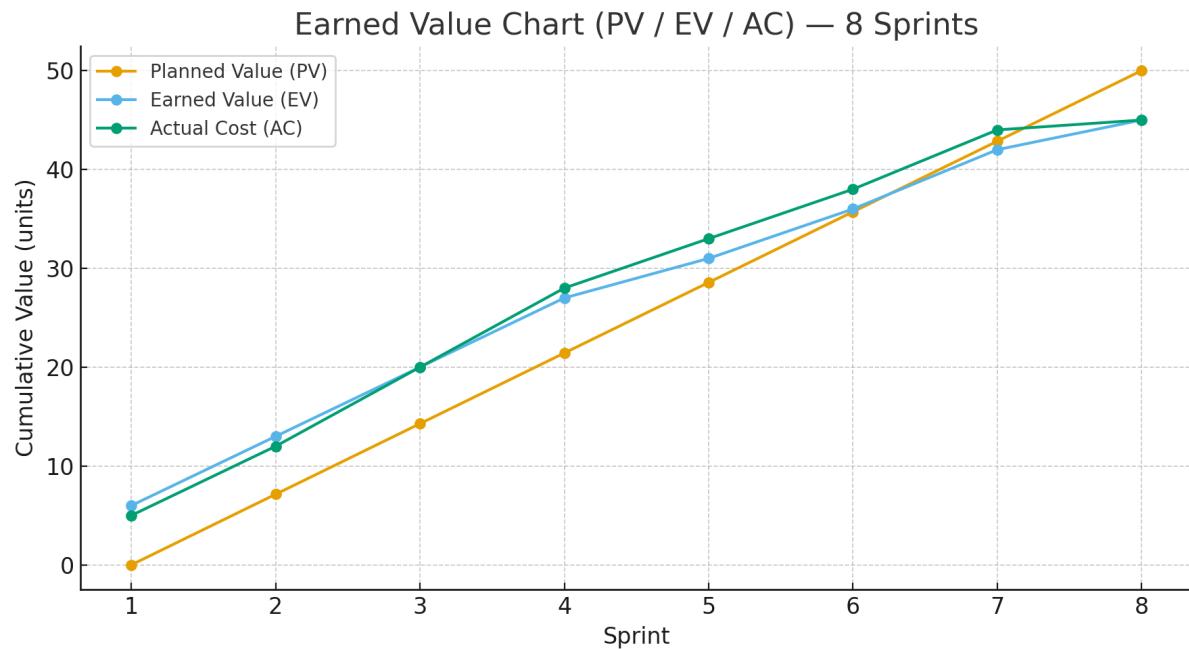
## 4.6 Agile Sprint Backlog

Task Name	Assign To	Status	Original Estimate Days	Actual Result Days
UI Wireframe Design	Nimit	Completed	7	<b>6 (early)</b>
Sound-Bar UI Development	Nimit	Completed	10	<b>11 (late)</b>
Recording UI	Nimit	Completed	10	<b>9 (early)</b>
Playlist Module UI	Nimit	Completed	9	<b>10 (late)</b>
Final UI Polish	Nimit	Completed	8	<b>8 (on time)</b>
Database Schema + ERD	Aayush	Completed	10	<b>9 (early)</b>
Song Loading Module	Aayush	Completed	15	<b>16 (late)</b>
Audio Track Switching Backend	Aayush	Completed	21	<b>20 (early)</b>
Audio Storage API	Aayush	Completed	18	<b>19 (late)</b>
Backend Optimization	Aayush	Completed	11	<b>10 (early)</b>
Lyrics Sync Engine	Dhruv	Completed	16	<b>17 (late)</b>
Audio Blending Algorithm	Dhruv	Completed	21	<b>20 (early)</b>
Vocal + Instrumental Mixer	Dhruv	Completed	20	<b>22 (late)</b>
Filters (Artist/Genre/Language)	Dhruv	Completed	15	<b>14 (early)</b>
QA Testing & Bug Fixing	Dhruv	Completed	11	<b>12 (late)</b>
Deployment Package	All Members	Completed	3	<b>3 (on time)</b>

## 4.7 Agile Test Plan

Test ID	Action	Expected Result	Actual Result	Status
T001	Open the application home screen	Home screen loads within 2 seconds	As expected	Passed
T002	Login with valid credentials	User successfully logs in and dashboard appears	As expected	Passed
T003	Login with invalid password	System shows “Invalid Credentials” message	As expected	Passed
T004	Load a song in the player	Song loads and starts playing	As expected	Passed
T005	Test lyrics sync feature	Lyrics sync accurately with music timing	As expected	Passed
T006	Switch between two audio tracks	Audio switches smoothly within 1 second	As expected	Passed
T007	Record audio via microphone	Recording starts and audio is captured clearly	As expected	Passed
T008	Save recorded audio	Audio file stores successfully in user library	As expected	Passed
T009	Create a playlist	Playlist created and visible in library	As expected	Passed
T010	Add song to favorites	Song appears under “Favorites” list	As expected	Passed
T011	Search filter (Artist/Genre/Language)	Accurate filtered results displayed	As expected	Passed
T012	Run full app stability test (30 mins usage)	No crash, smooth navigation	As expected	Passed
T013	App logout	User logs out and returns to login screen	As expected	Passed

## 4.8 Earned-value and burn-chart



## 5. SCREENSHOTS

SingIT

Dashboard

Search for anything... (ctrl + Q)

Welcome To Dashboard, Admin

TOTAL ARTIST 7

TOTAL GENRE 4

TOTAL LANGUAGE 3

TOTAL SLIDER 3

TOTAL USERS 5

TOTAL SONGS 9

TODAY'S SPECIAL Today's Special Song

Jannat 2

Kaho Na Kaho

SLIDER Slider's Songs

GENRES Recent 5 Genres Details

IMAGE	NAME	EDIT	DELETE
	Traveling		
	Classical1		
	Sad		
	Romantic		

LANGUAGE Recent 5 Language Details

IMAGE	NAME	EDIT	DELETE
	Urdu		
	Hindi		
	English		

ARTISTS Recent 5 Artists Details

IMAGE	NAME	DESCRIPTION	IMAGE(TRANSPARENT)	EDIT	DELETE
	Amir Jamal	No description...			
	Pritam	No description...			
	Shreya Ghoshal	Shreya Ghoshal is an Indian singer. Noted for her wide vocal range and versatility, she is one of the most prolific and influential singers of India. Also often referred to as the "Queen of Thumri".			
	Atif Aslam	Born in Wazirabad, Punjab, Atif Aslam started his music career in early 2000s. He released his debut album, Jal Pari, in 2004. He went on to sing songs in both Indian			
	Imagine Dragons	No description...			

SONGS Recent 5 Songs Details

IMAGE	NAME	ARTIST(S)	GENRE(S)	ALBUM	LENGTH	EDIT	DELETE
	Jo Bhi Kasmein	Unknown	Unknown	Raaz	00:05:38		
	Tujhe Sochta Hoon	Pritam	Unknown	Jannat 2	00:05:13		
	Tum To Thehre Pardesi	Atif Raja	Classical1	Tum To Thehre Pardesi	00:00:00		
	Kaise Mein Kahan Tujhse	KK	Romantic, Sad	Rehnaa Hai Terre Dil Mein	00:03:44		
	Kaho Na Kaho	Amir Jamal	Romantic	MURDER	00:03:12		

Copyright © 2024 . Designed by DJSeriya. All rights reserved.

**SingIT**

DASHBOARD

FORMS

Artist

- Add Artist
- View Artist
- Songs
- Slider
- Today's Special
- Users

Add Artist

Home / Add Artist

### Artist Form

Enter Artist Name:

Enter Artist Description:

Upload Artist Image:

CHOOSE A FILE No file chosen, yet.

Upload Artist Image(transparent):

CHOOSE A FILE No file chosen, yet.

Insert

Copyright © 2024. Designed by DJSariya. All rights reserved.

**SingIT**

DASHBOARD

FORMS

Genres

Language

Artist

Songs

Slider

- Add Slider
- View Slider
- Today's Special
- Users

Add/Edit Slider

Home / Manage Slider

### Slider Form

Select Song(s):

3 Selected

-  Zara Sa
-  Tere Liye
-  Believer
-  Tum To Thehre Pardesi

Update Slider

Copyright © 2024. Designed by DJSariya. All rights reserved.

SingIT

DASHBOARD

FORMS

Genres

- Add Genres
- View Genres
- Language
- Artist
- Songs
- Slider
- Today's Special
- Users

Add Genres

Home / Add Genres

### Genres Form

Enter Genres Name:

Enter Genres Name...

Upload Genres Image:

CHOOSE A FILE No file chosen, yet.

Insert

Copyright © 2024. Designed by DJSariya. All rights reserved.

SingIT

DASHBOARD

FORMS

Genres

- Add Language
- View Language
- Artist
- Songs
- Slider
- Today's Special
- Users

Add Language

Home / Add Language

### Language Form

Enter Languages Name:

Enter Languages Name...

Upload Languages Image:

CHOOSE A FILE No file chosen, yet.

Insert

Copyright © 2024. Designed by DJSariya. All rights reserved.

SingIT

DASHBOARD

FORMS

Genres

Language

Artist

**Songs**

- Add Songs
- View Songs
- Slider
- Today's Special
- Users

Search for anything... (ctrl + Q)

☰

...

...

## Add Songs

Home / Add Songs

### Song Form

Track Name:

Genre(s):

Artist(s):

Language(s):

Album Name:

Duration (in seconds):

Lyrics:

Upload Album Image (Manual):

CHOOSE A FILE No file chosen, yet.

Upload Poster Image:

CHOOSE A FILE No file chosen, yet.

Upload Vocal Audio:

CHOOSE A FILE No file chosen, yet.

Upload Instrumental Audio:

CHOOSE A FILE No file chosen, yet.

Insert

Copyright © 2024. Designed by DJ Sariya. All rights reserved.

...

...

The screenshot shows the 'Profile' section of the SingIT application. At the top, there is a search bar with the placeholder 'Search for anything... (ctrl + Q)'. On the right side of the header are icons for brightness, refresh, and user profile.

The main content area has a dark blue header with the word 'Profile' and a breadcrumb navigation 'Home / Profile'. Below this is a large banner image of a sunset over mountains. In the center of the banner is a circular profile picture of a character with orange hair and a blue background.

The profile information is displayed below the banner:

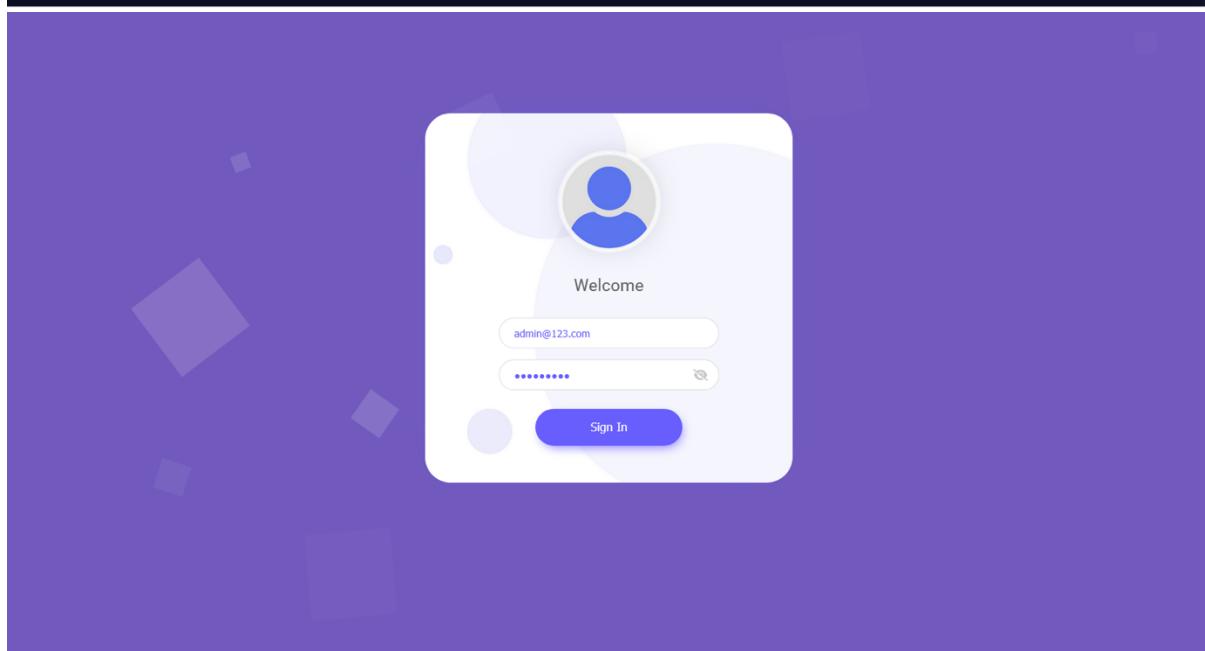
- Name:** Admin
- Email:** admin@123.com
- New Password (6 Chars):** Leave empty to keep current password

Below the profile information is a section for uploading a new profile picture:

- A text input field with the placeholder 'Drop photo here or click to select'.
- A 'Browse...' button.

At the bottom left of the profile section is a green 'Update' button.

At the very bottom of the page, there is a copyright notice: 'Copyright © 2024. Designed by DJSeriya. All rights reserved.' and a small upload icon.



SingIT

DASHBOARD

- Dashboard

FORMS

- Genres
- Language
- Artist
- Songs
- Slider
- Today's Special
- Users

Update Genre

Home / Update Genre

Search for anything... (ctrl + Q)

Genre Form

Enter Genre Name:

Upload Genre Image:

CHOOSE A FILE No file chosen, yet.

Update

Copyright © 2024 . Designed by DJSariya. All rights reserved.

SingIT

DASHBOARD

- Dashboard

FORMS

- Genres
- Language
- Artist
- Songs
- Slider
- Today's Special
- Users

Update Language

Home / Update Language

Search for anything... (ctrl + Q)

Language Form

Enter Language Name:

Upload Language Image:

CHOOSE A FILE No file chosen, yet.

Update

Copyright © 2024 . Designed by DJSariya. All rights reserved.

SingIT

DASHBOARD

- Dashboard

FORMS

- Genres
- Language
- Artist
- Songs**
- Add Songs
- View Songs
- Slider
- Today's Special
- Users

Search for anything... (ctrl + Q)

View All Songs

Home / View Songs

SONG LIST

	NAME	LENGTH	ALBUM			
	Zara Sa	00:03:04	Jannat (Original Motion Picture Soundtrack)			
	Tere Liye	00:02:04	Still Need Rewind			
	Believer	00:02:04	Evolve			
	Tum To Thehre Pardesi	00:02:29	Tum To Thehre Pardesi			
	Kaho Na Kaho	00:03:12	MURDER			
	Kaise Mein Kahun Tujhse	00:03:44	Rehnaa Hai Terre Dil Mein			
	Tum To Thehre Pardesi	00:00:00	Tum To Thehre Pardesi			
	Tujhe Sochta Hoon	00:05:13	Jannat 2			
	Jo Bhi Kasmein	00:05:38	Raaz			

Showing 1 to 9 of 9 entries

Previous 1 Next

Copyright © 2024. Designed by DJSariya. All rights reserved.

SingIT

DASHBOARD

- Dashboard

FORMS

- Genres
- Language
- Artist
- Songs
- Slider
- Today's Special
- Users

Search for anything... (ctrl + Q)

View Artist Details

Home / View Artist / View Artist Details

# Pritam

Edit Delete

Artist Photo(Transparent)

**Biography**

No description...

**Songs (2)**

	<b>Tujhe Sochta Hoon</b>	Pritam	⌚ 00:05:13
	<b>Zara Sa</b>	KK, Pritam	⌚ 00:03:04

Edit Delete View Song Details

Edit Delete View Song Details

Copyright © 2024. Designed by DJSariya. All rights reserved.

SingIT

Search for anything... (ctrl + Q)

View Artists

Home / View Artists

**ARTIST**

	NAME			
	Amir Jamal			
	Pritam			
	Shreya Ghoshal			
	Atif Aslam			
	Imagine Dragons			
	Altaf Raja			
	KK			

Showing 1 to 7 of 7 entries

Previous 1 Next

Copyright © 2024 . Designed by DJSeriya. All rights reserved.

SingIT

Search for anything... (ctrl + Q)

View Genre Details

Home / View Genres / View Genre Details

**Sad**

Edit Delete

**Songs (3)**

	Kaise Mein Kahun Tujhse KK	00:03:44	
	Tum To Thehre Pardesi Altaf Raja	00:02:29	
	Zara Sa KK, Pritam	00:03:04	

Edit Delete

Edit Delete

Edit Delete

Copyright © 2024 . Designed by DJSeriya. All rights reserved.

**SingIT**

Search for anything... (ctrl + Q)

View Genres

Home / View Genres

GENRES

	GENRES NAME			
	Traveling			
	Classical1			
	Sad			
	Romantic			

Showing 1 to 4 of 4 entries

Previous 1 Next

Copyright © 2024. Designed by DJSariya. All rights reserved.

**SingIT**

Search for anything... (ctrl + Q)

View Language Details

Home / View Languages / View Language Details

# Hindi



Edit Delete

## Songs (5)

	Kaho Na Kaho Amir Jamal	00:03:12	Edit  Delete
	Kaise Mein Kahun Tujhse KK	00:03:44	Edit  Delete
	Tere Liye Atif Aslam, Shreya Ghoshal	00:02:04	Edit  Delete
	Tum To Thehre Pardesi Altaf Raja	00:00:00	Edit  Delete
	Zara Sa KK, Pritam	00:03:04	Edit  Delete

Copyright © 2024. Designed by DJSariya. All rights reserved.

# SingIT

DASHBOARD

FORMS

Genres

Language

Add Language

View Language

Artist

Songs

Slider

Today's Special

Users

## View Language

Home / View Language

### LANGUAGE

	NAME			
	Urdu			
	Hindi			
	English			

Showing 1 to 3 of 3 entries

Search:

Copy Excel PDF Column visibility ▾

Previous 1 Next

Copyright © 2024. Designed by DJSariya. All rights reserved.

# SingIT

DASHBOARD

FORMS

Genres

Language

Artist

Songs

Slider

Add Slider

View Slider

Today's Special

Users

## View Sliders

Home / View Sliders

### SLIDERS

	SONG NAME	SINGER(S)		
	Kaho Na Kaho	Amir Jamal		
	Tere Liye	Shreya Ghoshal Atif Aslam		
	Zara Sa	Pritam KK		

Showing 1 to 3 of 3 entries

Search:

Copy Excel PDF Column visibility ▾

Previous 1 Next

Copyright © 2024. Designed by DJSariya. All rights reserved.

**SingIT**

Search for anything... (ctrl + Q)

**View Song Details**  
Home / View Songs / View Song Details

**Tere Liye** 🕒 Still Need Rewind

Romantic

[00:08] मीरी-मीरी पतके मेरी उदास तेरे लिए  
 [00:16] अखियाँ बिछाई मैंने तेरे लिए  
 [00:21] दुःखा मूला कैसे तेरे लिए  
 [00:26] जरते सजाई मैंने तेरे लिए  
 [00:31] छोड़ दी खुदाई मैंने तेरे लिए  
 [00:36] जरते सजाई मैंने तेरे लिए  
 [00:41] छोड़ दी खुदाई...  
 [00:46] Oh-oh, oh-oh-oh, oh-oh-oh-oh-oh-oh  
 [00:54] तेरे लिए, द्यायी दीवाना बन के तेरे लिए

**Edit Song** **Delete**

**Song Name**: Tere Liye  
**Artists**: Atif Aslam, Shreya Ghoshal  
**Languages**: Hindi  
**Duration**: 00:02:04

**Poster** **Instrumental Track** **Vocal Track**

**View Poster** **Listen Instrumental Track** **Listen Vocal Track**

Copyright © 2024. Designed by DJ Sariya. All rights reserved.

**SingIT**

Search for anything... (ctrl + Q)

**View Special Songs**  
Home / View Special Songs

**SPECIAL SONGS**

	SONG NAME	SINGER(S)
	Tujhe Sochta Hoon	Pritam

Showing 1 to 1 of 1 entries

Search:

Previous 1 Next

Copyright © 2024. Designed by DJ Sariya. All rights reserved.

SingIT

DASHBOARD

Dashboard

FORMS

Genres

Language

Artist

Songs

Slider

Today's Special

Users

View Users

View for anything... (ctrl + Q)

Search:

View Users

Home / View Users

USERS

Copy Excel PDF Column visibility ▾

Search:

	NAME	EMAIL
	Dhruv	dhruv@gmail.com
	Aayush	chauhanaayush367@gmail.com
	Aryan	aryansariya009@gmail.com
	Kallu	kallu@gmail.com

Showing 1 to 4 of 4 entries

Previous 1 Next

Copyright © 2024. Designed by DJ Sariya. All rights reserved.

Up

5:09

55



SingIT

# Login



Email



Password



Login

Don't have an account? [Sign up](#)

5:08

55



Search songs and artists...



## Artists 🔥



Amir Jamal



Pritam



Shreya  
Ghoshal

## Trending Songs 🔥



Zara Sa



Tere Liye ICE



Believer



Category



Playlist



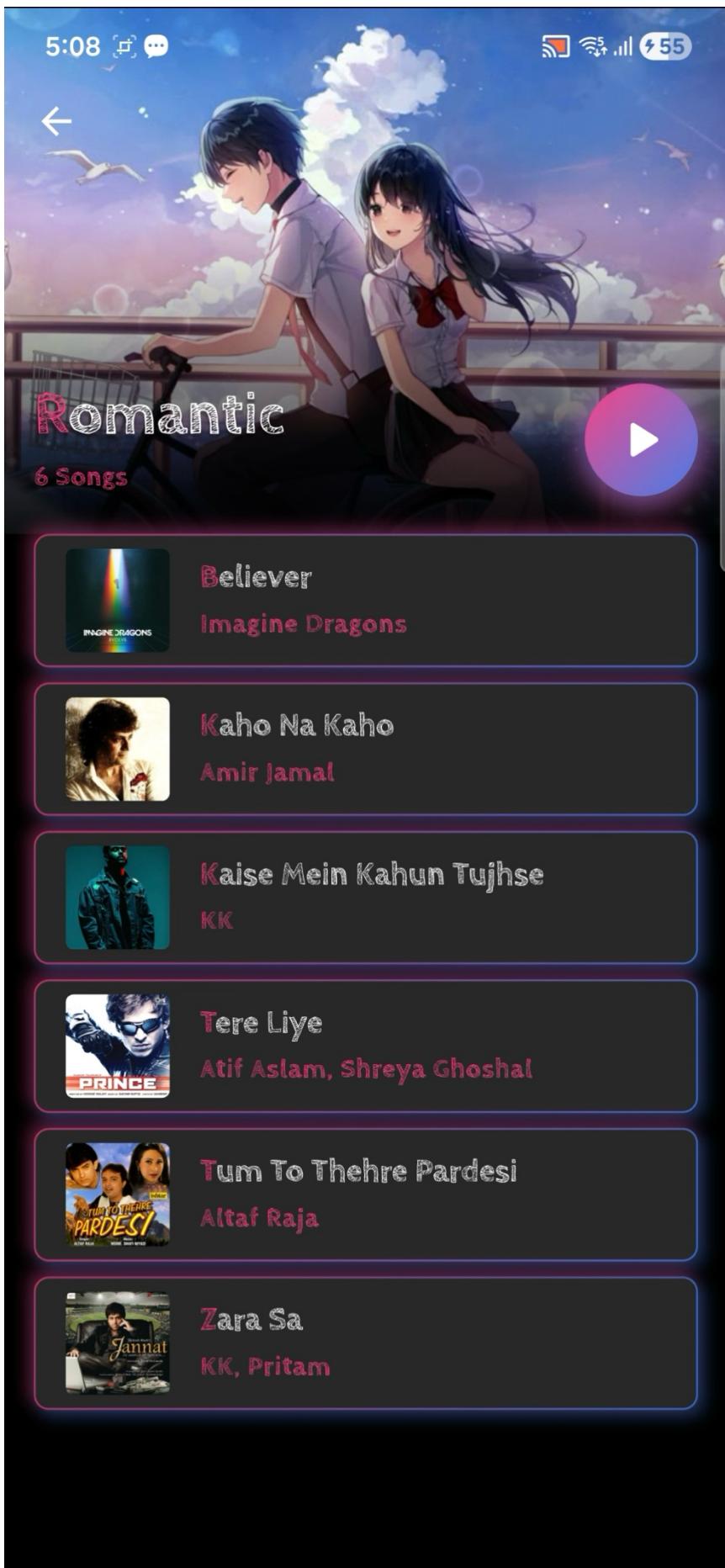
Home



Favourite



History



5:08

55



## Categories



5:09 [F] ☺

55



## Profile



Dhruv

dhruv@gmail.com

14

Active

06

Pending

25

Complete



Edit Profile

Edit your Profile >



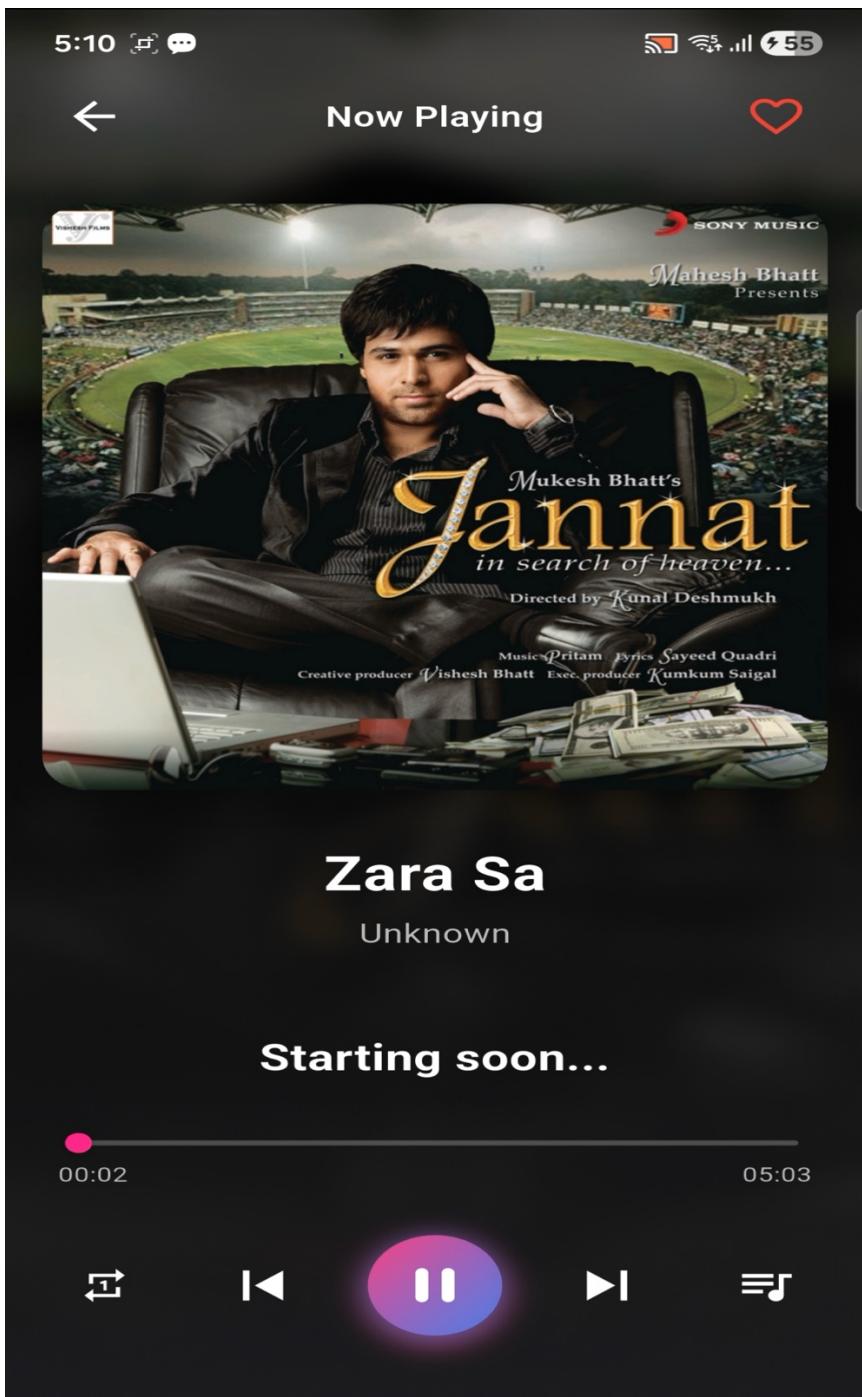
Clear History

Remove all saved history >



Logout

Clear session and sign out >



5:09

55



## Favourites

1 Song



Believer

Imagine Dragons



5:10 55

SingIT

Heart +

Zara Sa

Jannat  
in search of heaven...

4K

**Zara Sa**

**Singer:** KK / Pritam

**Genre:** Romantic / Sad

**Language:** Hindi

**Lyrics**

ज़रा सी दिल में दे जगह तू  
ज़रा सा अपना ले बना  
ज़रा सा ख्वाबों में सजा तू

More >

PlayIT

SingIT

Related Songs

Singers

5:10



Zara Sa



00:00

05:03

ज़रा सी दिल में दे जगह तू

ज़रा सा अपना ले बना

ज़रा सा ख्वाबों में सजा तू

ज़रा सा यादों में बसा

मैं चाहूँ तुझ को, मेरी जाँ, बेपनाह

फ़िदा हूँ तुझ पे, मेरी जाँ, बेपनाह

ज़रा सी दिल में दे जगह तू

ज़रा सा अपना ले बना

ज़रा सा ख्वाबों में सजा तू



Re-record

Tap to start



Finish

5:11



## ← Mix Your Track

Unknown

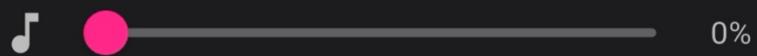
Your Vocals



Original Singer



Instrumental



Vocal Adjustment (0 ms)



00:01

05:03



5:12

SONY MUSIC  
Mohesh Bhatt  
Presents  
Mukesh Bhatt's  
*Jannat*  
in search of heaven...  
Directed by Kunal Deshmukh  
Music: Pritam, lyrics: Saeed Qadri  
Creative producer: Mohesh Bhatt, Exec. producer: Kumkum Saigal

55



## Playlists



+

5:13

55

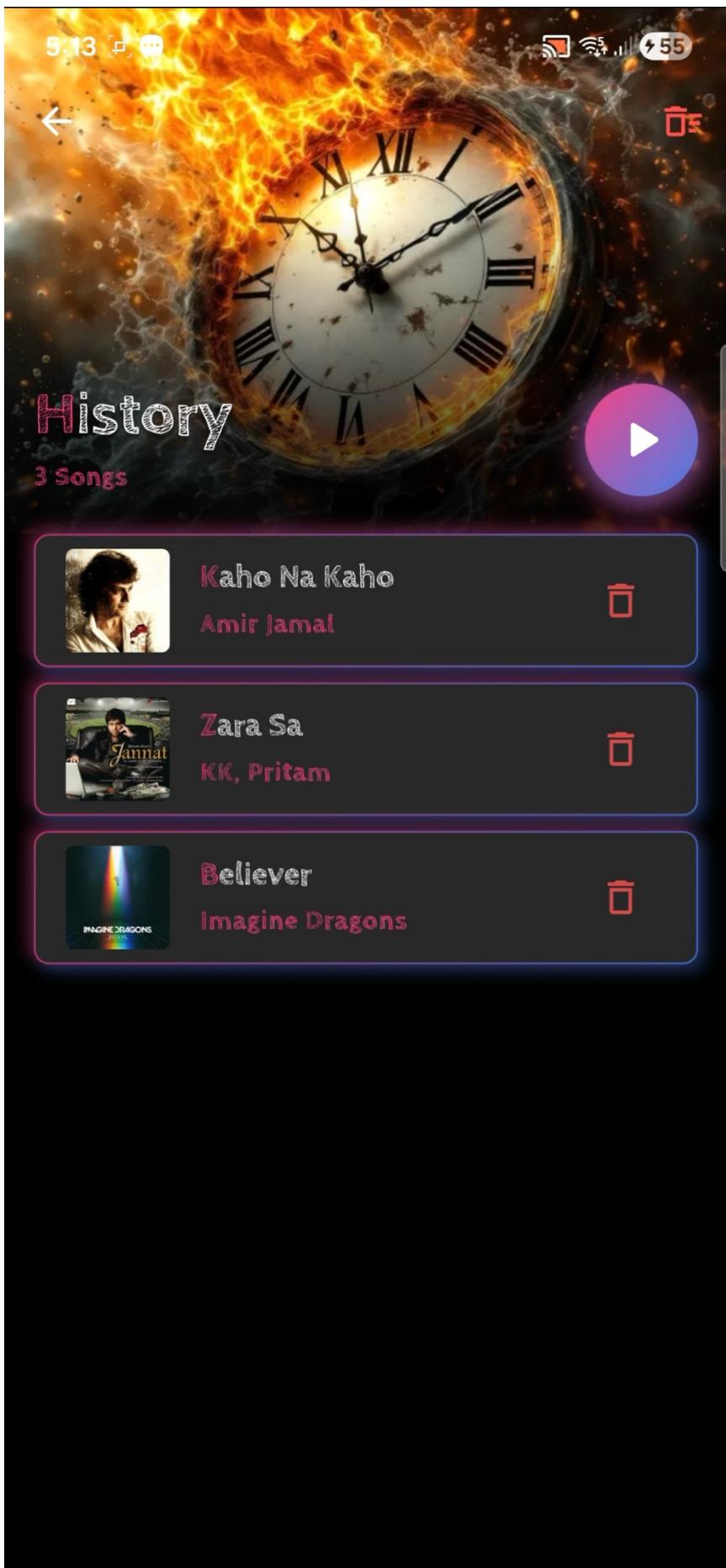


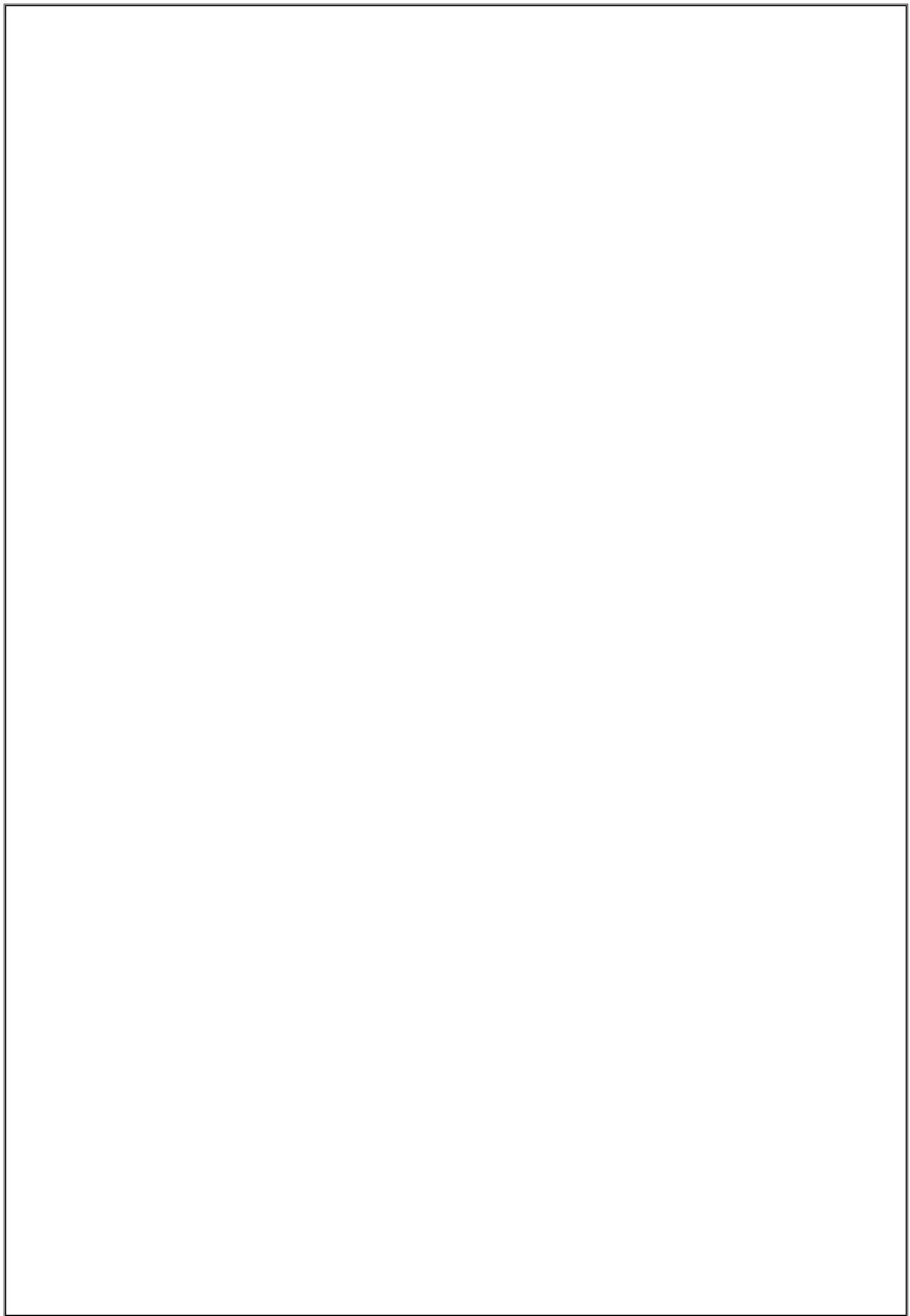
best



Zara Sa  
KK, Pritam







## 6. PROPOSED ENHANCEMENT

- **AI-based Audio Improvement:**
  - Add noise reduction, vocal enhancement, and auto-tuning features using machine learning models.
- **Advanced Playlist Automation:**
  - Introduce smart playlists that auto-group songs by user mood, history, or listening patterns.
- **Real-Time Lyrics Translation:**
  - Integrate multilingual translation so lyrics can be viewed in any preferred language.
- **Collaboration Mode:**
  - Allow two or more users to collaborate on audio/recordings using shared sessions.
- **Custom Audio Effects:**
  - Provide filters like echo, reverb, bass boost, and equalizer presets for enhanced audio mixing.
- **Performance Analytics Dashboard:**
  - Show user-specific stats like recording count, playback trends, time spent, and improvement charts.

## 7. CONCLUSION

The proposed system, **SingIT**, successfully delivers an innovative and interactive karaoke experience optimized for Android devices. By intelligently separating each song into its core components—original track, instrumental version, and user-recorded vocals—the application offers a highly flexible and customizable singing environment. The integration of a dynamic sound-bar mechanism allows users to seamlessly switch or blend between audio modes in real time, while precise lyric synchronization ensures a smooth and guided performance.

## **8.BIBLIOGRAPHY**

<https://flutter.dev/learn>

<https://www.codeofaninja.com/create-simple-rest-api-in-php/>

[https://www.w3schools.com/graphics/google\\_maps\\_intro.asp](https://www.w3schools.com/graphics/google_maps_intro.asp)

[https://stackoverflow.com/?gad\\_source=1&gclid=CjwKCAiA6aW6BhBqEiwA6KzDc8dID25tlurLWp8ZRkkVar6jQ6s3HHf4I5bIV6GvaEetMzECBNembxoC8DIQAvD\\_BwE](https://stackoverflow.com/?gad_source=1&gclid=CjwKCAiA6aW6BhBqEiwA6KzDc8dID25tlurLWp8ZRkkVar6jQ6s3HHf4I5bIV6GvaEetMzECBNembxoC8DIQAvD_BwE)

<https://www.geeksforgeeks.org/c-programming-language/>