VISVESVARAYA TECHNLOGICAL UNIVERSITY
BELAGAVI

A
MINI PROJECT REPORT
ON

"Music Streaming Management System"

Submitted in partial fulfillment Management of the Bachelor Degree

In

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
V SEMESTER
DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

Submitted By

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Under the guidance of
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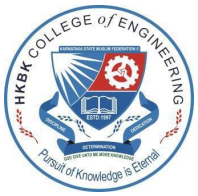
2023-2024



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BENGALURU – 560 045

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

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"Music Streaming Management System"

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V Semester,

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SUBMITTED BY:

ANSARI SHAMAJ (1HK21AI004)
MOHAMMAD UMAR SHUJATH (1HK21AI034)

HKBK COLLEGE OF ENGINEERING

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

Certified that the mini project entitled **"Music Streaming Management System"** is a Bonafide work carried out by **ANSARI SHAMAJ (1HK21AI004)** and **MOHAMMAD UMAR SHUJATH (1HK21AI034)** in partial fulfillment for the award of Degree of Bachelor of Engineering in **Artificial Intelligence & Machine Learning** of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the mini project report deposited in the departmental Music . The mini project report has been approved as it satisfies the academic requirements in respect of **DBMS LABORATORY WITH MINI PROJECT (21CSL55)** prescribed for the Bachelor of Engineering Degree.

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Signature of the guide (Prof Shruthi V Kulkarni)	Signature of the HOD (Dr.Tabassum Ara)	Signature of the Principal (Dr.Mohamed Riyaz Ahmed)

Name of Examiners	Signature with date
1.	----------
2.	----------

ACKNOWLEDGEMENT

We would like to place our regards and acknowledgement to all who helped in making this project possible. There are many people who worked behind the screen to help make it possible the below listed are a few of them.

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We are extremely thankful to the teaching and non-teaching staff of the **Department of Artificial Intelligence and Machine Learning** for their valuable guidance and cooperation throughout our dissertation.

ANSARI SHAMAJ **1HK21AI004**

MOHAMMAD UMAR SHUJATH **1HK21AI034**

DECLARATION

We hereby declare that the entire work embodied in this Project work **"HKBKCE Music Streaming Platform Management System"** has been carried out by us during the Fifth semester of Bachelor of Engineering in Artificial Intelligence and Machine Learning at HKBK College of Engineering, Bengaluru affiliated to Visvesvaraya Technological University, Belagavi, under the guidance of Prof. Shruthi V Kulkarni, HKBK College of Engineering, Bengaluru. The work embodied in this project work is original and it has not been submitted in part time or full-time completion for any other degree in any other university.

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ABSTRACT

HKBKCE Music Streaming Platform Management System using PHP and MySQL is a web based application. Music Streaming Platform Management System is a project which aims in developing a computerized system to maintain all the daily work of Music . This project has many features which are generally not available in normal Music Streaming Platform Management Systems like facility of user login and a facility of admin login. It also has a facility of admin login through which the admin can monitor the whole system. It has also a facility where student after logging in their accounts can see list of Music issued and its issue date and return date.

The HKBKCE Music Streaming Platform Management System is a comprehensive software solution designed to streamline and enhance Music operations. This project aims to develop an efficient database system that facilitates easy, tracking, and retrieval of Music resources. Key features include user-friendly interfaces for librarian's real-time inventory management, automated book check-in/check-out processes, and robust reporting tools. By leveraging modern database technologies, LMS aims to optimize resource utilization, reduce administrative overhead, and improve overall Music service delivery.

Some of its key features are

- Less human error
- High security
- Easy to handle
- Easy record keeping
- Data redundancy can be avoided
- Easy data updating

TABLE OF CONTENTS

CHAPTER 1

INTRODUCTION

Title of the project

Music Streaming Management System

1.1 Objective of the project

- Modernizing Music Management: Implementing automation for cataloging, streaming, and user interaction to enhance accessibility and efficiency in managing a music streaming platform.
- Enhanced User Experience: Providing a seamless and intuitive interface for users to discover, stream, and interact with music content, enhancing user engagement and satisfaction.
- Optimized Content Management: Streamlining the organization and management of music albums, tracks, and artists to ensure a rich and diverse content Music for users to explore.
- Promotion of Music Discovery: Utilizing the system to promote new releases, curated playlists, and personalized recommendations, fostering a vibrant music discovery experience for users.

Project Category:

RDBMS (Relational Database Management System).

Language(s) to be used:

- Language Used: PHP5.6, PHP7.x
- Database: MySQL 5.x
- User Interface Design: HTML, AJAX, JQUERY, JAVASCRIPT
- Web Browser: Mozilla, Google Chrome, IE8, OPERA
- Software: XAMPP / Wamp / Mamp/ Lamp (anyone)

Project features

The Music Streaming Platform Management System presents a comprehensive solution tailored to enrich the music listening experience for users. This system is meticulously designed to streamline the management of diverse music collections and enhance the overall platform experience. It encompasses an extensive catalog of albums, tracks, and artists, providing users with efficient tools for discovering, streaming, and interacting with music content. From classic hits to emerging artists, the database covers a wide spectrum of genres, fostering a culture of music exploration and discovery.

Unique features include personalized user profiles, enabling individuals to create playlists, follow favorite artists, and receive recommendations based on their listening history and preferences. Additionally, it incorporates advanced technologies like audio fingerprinting for accurate music identification and recommendation algorithms for personalized content suggestions. The system promotes social interaction through features such as user comments, likes, and shares, fostering a sense of community among music enthusiasts.

1.2 Existing System

- Limited content discovery options and user interaction features.
- Complex navigation and inconsistent user experience across devices.
- Criticized for lack of personalized recommendations and social features.
- Potential scalability concerns with growing user base and content Music .

1.3 Proposed System

- Comprehensive cataloguing and classification for efficient resource management.

Simplified navigation and retrieval for users, enhancing accessibility.

- Seamless member interaction through the user management module, tracking borrowing history and fines.

1.4 Study of the System

For the HKBKCE Music Streaming Platform Management System, the design is tailored specifically for the institute's internal use, offering interfaces accessible through web browsers. The graphical user interfaces (GUIs) at the top level are categorized as follows:

Administrative User Interface:

The Administrative User Interface is dedicated to managing information crucial to the institute's internal operations. This interface requires proper authentication to access features related to organizational activities, ensuring secure data handling. Administrators benefit from transactional capabilities, such as data insertion, deletion, and updating. The interface also provides advanced data search functionalities, supporting effective management of the Music database within the institute.

Operational or Generic User Interface:

The Operational or Generic User Interface caters to the institute's internal users, facilitating seamless transactions within the existing data framework and accessing necessary services. This interface is designed for ease of use, assisting internal users in managing their information according to the institute's specific needs. Users can leverage included flexibilities to customize their interactions with the system, ensuring a tailored and efficient Music experience within the institute's scope.

In summary, these interfaces in the HKBKCE Music Streaming Platform Management System are strategically crafted to meet the specific requirements of the institute, enhancing administrative efficiency and providing a user-friendly platform for internal Music management tasks.

CHAPTER 2

SOFTWARE REQUIREMENT SPECIFICATION

2.1 Functional Requirements

Music Streaming Platform Management System has been designed with meticulous attention to functional requirements to ensure a seamless and efficient user experience.

User Authentication:

- The system shall authenticate users through valid credentials.
- Password requirements shall be enforced, including a minimum length and special characters.
- The system shall provide password recovery functionality for user accounts.

Content Management:

- Administrators shall have the capability to add new Music to the Music database.
- Existing book records shall be viewable by administrators.
- Admins shall be able to update the album and track information in the database.
- The system shall provide password recovery functionality for user accounts.

User Interaction:

- The admin shall have the capability to add new albums and tracks to the platforms databse.
- Existing album and track record shall be viewable by admins.
- The system shall provide password recovery functionality.

Transaction Management:

- Late fees and penalties shall be automatically calculated and applied to overdue book returns.
- Administrators shall have access to transaction logs for auditing purposes.

These functional requirements collectively contribute to the robustness of the HKBKCE Music Streaming Platform Management System, ensuring effective management of the Music 's resources, user interactions, and system integrity.

2.2 Number of Modules

HKBKCE Music Streaming Platform Management System has been delineated into two key modules:

Administrator Module:
The Administrator Module is a central hub for system administration, featuring the following key functionalities:

- Dashboard: Providing a consolidated overview of essential metrics and system statistics.
- Add and Manage Category: Allowing administrators to create and manage book categories for efficient organization.
- Add and Manage Author: Enabling administrators to add and manage author details for accurate book attribution.
- Add and Manage Book: Facilitating the addition and management of book records, including details such as title, genre, and availability.
- Issue and Manage A New Book: Empowering administrators to handle the issuance and management of Music , ensuring accurate tracking.
- Manage Register Students: Streamlining the registration and management of student records within the Music system.
- Additionally, administrators maintain control over their own security through the ability to change passwords for enhanced system integrity.

User Module:
The User Module is designed for individuals interacting with the system, offering the following features:

- User Dashboard: Providing users with a personalized dashboard for a quick overview of their Music -related activities.
- Manage Issued Music : Allowing users to view and manage the Music they have currently checked out.
- Account: Enabling users to update their account information, ensuring accurate and up-to-date details for a seamless Music experience.

These modules collectively contribute to the efficient functioning of HKBKCE Music

Streaming Platform Management System, catering to both the administrative needs and user interactions within the Music system.

2.3 System Environment

2.3.1 Hardware Configuration

- Processor: Intel core i3 or equivalent
- RAM: 4GB or more
- ROM: 128GB ssd or more
- Internet connectivity: Reliable

2.3.2 Software Configuration

- OS : Windows
- PHP Triad (PHP5.6, MySQL, Apache, and PHPMyAdmin)

CHAPTER 3

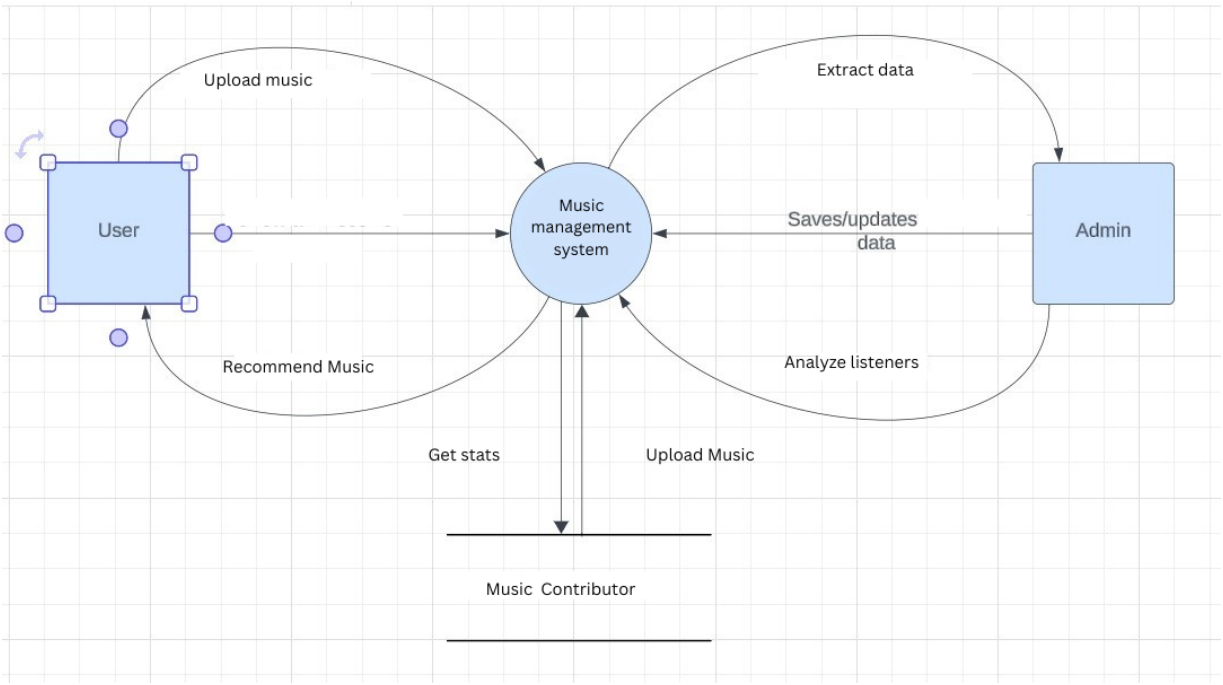
SYSTEM DESIGN

3.1 Context Flow Diagram

A Context Flow Diagram (CFD) is a top-level representation of a system that simplifies its complexity by treating the entire system as a single process. In this diagram, the focus is on illustrating the relationship between the system and its external entities, such as users, other systems, or data sources. The single process node in the CFD represents the overall function of the entire system.

All inputs, outputs, sinks, and sources related to the system are identified and shown in the diagram. Inputs represent data or signals coming into the system from external entities, while outputs represent data or signals leaving the system. Sources are external entities providing inputs to the system, while sinks are external entities receiving outputs from the system.

The CFD provides a high-level overview of the system's interactions with its environment, helping stakeholders understand the system's scope and boundaries without delving into detailed internal processes.



3.2 Data Flow Diagram

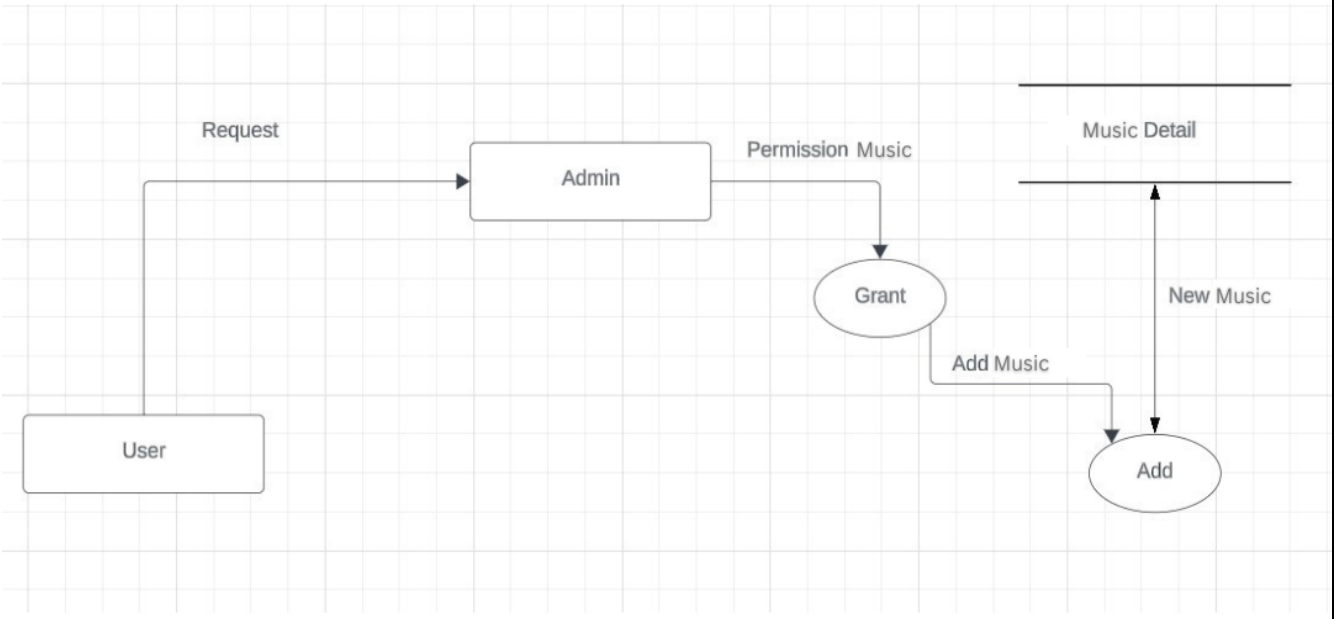
A data flow diagram is a graphical representation of the flow of data through an information system. A data flow diagram can also be used for the visualization of the data processing. It is common practice for a designer to draw a context level DFD. It shows the interaction between the system and the outside entities. This context level DFD, is then exploded to show more detail of the system being modelled.

A DFD represents flow of data through a system. Data flow diagrams are commonly used during problem analysis. It views a system as a function that performs the input into the desired output. A DFD shows movement of data through the different transformations or processes in the system.

Notations in the DFD

Symbol	Description
	The circle or bubble represents a process. A process is named and each process is represented by a named circle.
	The source or sink is represented as a rectangular box. The source or sink is the net originator or the consumer of the data that flows in the system.
	The arrow represents the flow of data through the system. The labelled arrows enter or leave the bubbles.
	The database is represented with the open box symbol.

Data Flow Diagram



CHAPTER 4

DATABASE DESIGN

Database: A Database is collection of related data, which can be of any size and complexity. By using the concept of Database, we can easily store and retrieve the data. The major purpose of a database is to provide the information, which utilizes it with the information's that the system needs according to its own requirements.

Database Design: Database design is done before building it to meet needs of end-users within a given information-system that the database is intended to support. The database design defines the needed data and data structures that such a database comprises The database is physically implemented using MySQL.

4.1 Database Table and Structure of DB Tables

Structure of Table "admin"

Table	Action	Rows	Type	Collation	Size	Ove
category	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 KiB	
english_albums	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	
favorite_songs	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	
hindi_albums	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	
kannada_albums	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	
upload_albums	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	
user	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 KiB	
7 tables	**Sum**	**8**	**InnoDB**	**utf8mb4_general_ci**	**112.0 KiB**	

Structure of Table "tblauthors"

	cat_id	cat_name
Edit Copy Delete	1	kannada_albums
Edit Copy Delete	2	hindi_albums
Edit Copy Delete	3	english_albums
Edit Copy Delete	4	uploaded_albums

Structure of Table “tblMusic ”

	song_id	song_name	song_format	singer_name	movie_name	song_image	audio_file
Edit Copy Delete	1	Kaun Tuje	mp3	Ya'mum	Homecoming	kaun-tujhe-ms-dhoni-sushant-singh-400x212.jpg	Kaun Tujhe-(Mr-Jatt.com).mp3

Structure of Table “tblcategory”

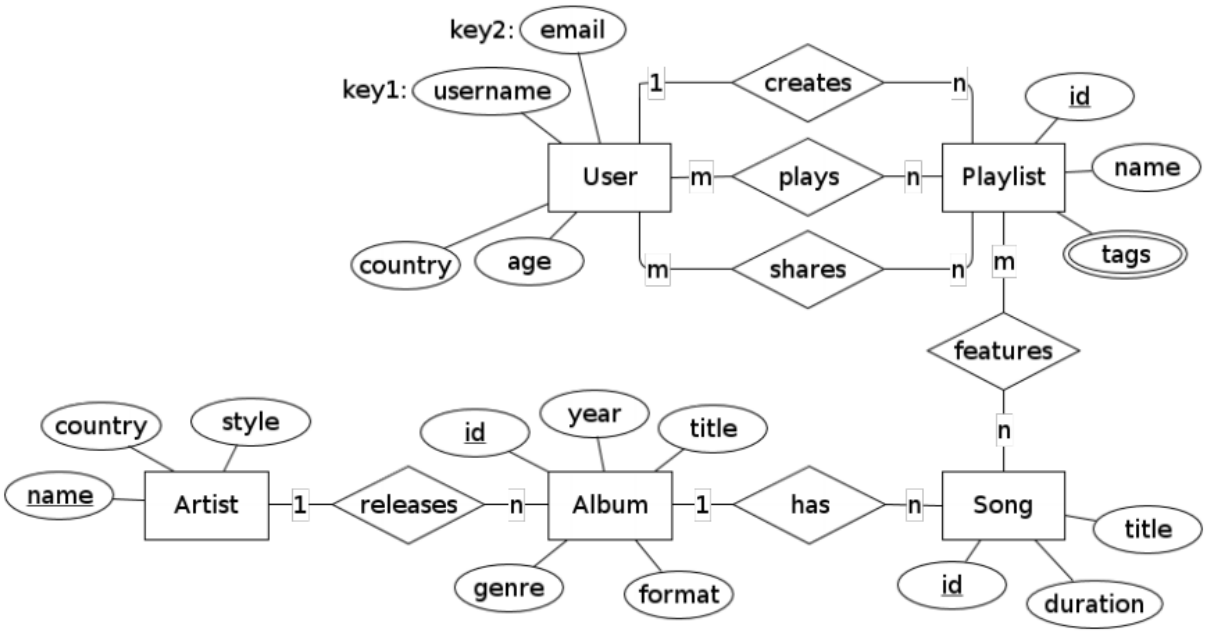
	#	Name	Type	Collation	Attributes	Null	Default
	1	**id**	int(11)			No	*None*
	2	**CategoryName**	varchar(150)	latin1_swedish_ci		Yes	*NULL*
	3	**Status**	int(1)			Yes	*NULL*
	4	**CreationDate**	timestamp			Yes	current_timestamp()
	5	**UpdationDate**	timestamp			Yes	0000-00-00 00:00:00

Structure of Table “tblissuedbookdetails”

	user_id	username	mobile_number	email_address	password	activa
Edit Copy Delete	1	Sujith	9876543210	admin@gmail.com	c12b240b5710c6c9ee00ef4529803aac	0
Edit Copy Delete	2	Subramanya	9988776655	subramanyarao4@gmail.com	a8c6b82ae79f5f29899228ced196b1b7	0
Edit Copy Delete	3	shujathulla	7698810804	dumdum@gmail.com	e10adc3949ba59abbe56e057f20f883e	a665a

4.2 ER Diagram and Schema Diagram

ER Diagram



An entity-relationship (ER) diagram is a specialized graphic that illustrates the relationships between entities in a database. ER diagrams often use symbols to represent three different types of information. Boxes are commonly used to represent entities. Diamonds are normally used to represent relationships and ovals are used to represent attributes.

The Symbols are shown in below table:

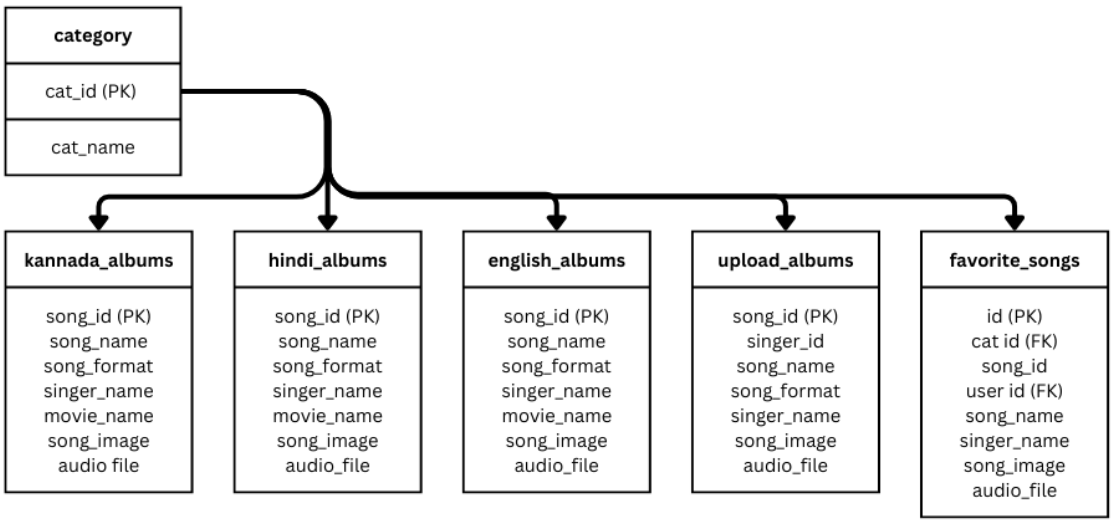
Name	Notation	Description
Entity		Entity is represented by a box within the ERD. Entities are abstract concepts, each representing one or more instances of the concept in question. An entity might be considered a container that holds all of the instances of a particular thing in a system. Entities are equivalent to database tables in a relational database, with each row of the table representing an instance of that entity
Relationship		Relationships are represented by Diamonds. A relationship is a named collection or association between entities or used to relate to two or more entities with some common attributes or meaningful interaction between the objects.

Attributes		Attributes are represented by Oval. An attribute is a single data item related to a database object. The database schema associates one or more attributes with each database entity.

Schema Diagram

A schema diagram serves as a fundamental visual representation of the structure of a database system, conveying its essential components in a clear and concise manner. At its core, a schema diagram illustrates the entities, which are depicted as tables, each corresponding to a specific type of object or concept within the database. These entities are further delineated by attributes, represented as columns within the tables, describing the properties or characteristics of the entities. Relationships between entities are visually depicted by lines connecting them, elucidating how data is interconnected.

Additionally, they may showcase views, which are virtual tables derived from database queries, and indexes, which enhance query performance. Serving as both a documentation and communication tool, schema diagrams aid in understanding, designing, and maintaining database systems, facilitating effective collaboration among stakeholders involved in the database



CHAPTER 5

TESTING OVERVEIW

5.1 Introduction

Testing is the major quality control measure used during software development. It is a basic function to detect errors in the software. During the requirement analysis and design the output of the document that is usually textual and non-executable after the coding phase the computer programs are available that can be executed for testing purpose. This implies that testing not only has to uncover errors introduce during the previous phase. The goal of testing is to uncover requirement, design, coding errors in the program. Testing determines whether the system appears to be working according to the specifications. It is the phase where we try to break the system and we test the system with real case scenarios at a point.

5.2 Levels of Testing

Unit Testing: The unit testing of the source code has to be done for every individual unit of module that was developing part of the system and some errors were found for every turn and rectified. This form of testing was use to check for the behavior signified the working of the system in different environment as an independent functional unit.

5.3 Table Report

Table Unit: Admin Component

Serial No.	**Condition To be Tested**	**Test Data**	**Expected Output**	**Remarks**
1.	Connect Database	Connect Database	Home Page should pop up	SUCCESSFUL
2.	Login by the admin into the System	Login	Alert the Admin to enter the credentials	SUCCESSFUL
3.	If the admin has entered wrong credentials	Credentials	Alert the Admin “Invalid details”	SUCCESSFUL

4.	If the Username & Password are entered	Username & Password	Allow the admin to view or update dashboard	SUCCESSFUL
5.	When click booklist	Music	Admin can add or delete Music	SUCCESSFUL
6.	When click registered users	User	Admin can active or inactive the user or student	SUCCESSFUL
7.	When click Music not returned yet	Music	Admin can check status of issued Music	SUCCESSFUL
8.	When click on author listed	Authors	Admin can add or delete authors from the list	SUCCESSFUL
9.	When click on listed categories	Categories	Admin can add or delete book category	SUCCESSFUL

Table Unit: User Component

Serial No.	**Condition To be Tested**	**Test Data**	**Expected Output**	**Remarks**
1.	Login by user into the system	Login	Alert the user to enter the credentials	SUCCESSFUL
2.	If the user has entered wrong credentials	Credentials	Alert the user “Invalid details”	SUCCESSFUL
3.	If the Username & Password are entered	Username & Password	Allow the user to view the Dashboard	SUCCESSFUL

4.	When click on Music listed	Music	A window pop up user can view list of available Music	SUCCESSFUL
5.	When click on Issued Music	Music	A window pop up user can view the status of borrowed Music	SUCCESSFUL

CHAPTER 6

SOURCE CODE

Admin module

```
<?php
session_start();
error_reporting(0);
include('includes/config.php');
if(strlen($_SESSION['alogin'])==0)
{
header('location:index.php');
}
else{?>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
   <meta charset="utf-8" />
   <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1" />
   <meta name="description" content="" />
   <meta name="author" content="" />
   <!--[if IE]>
      <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
      <![endif]-->
   <title>Online Music Streaming Platform Management System | Admin Dash Board</title>
   <!-- BOOTSTRAP CORE STYLE  -->
   <link href="assets/css/bootstrap.css" rel="stylesheet" />
   <!-- FONT AWESOME STYLE  -->
   <link href="assets/css/font-awesome.css" rel="stylesheet" />
   <!-- CUSTOM STYLE  -->
   <link href="assets/css/style.css" rel="stylesheet" />
```

```
  <!-- GOOGLE FONT -->



<link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet'
type='text/css' />
</head>
<body>
     <!------MENU SECTION START-->
<?php include('includes/header.php');?>
<!-- MENU SECTION END-->
   <div class="content-wrapper">
        <div class="container">
       <div class="row pad-botm">
          <div class="col-md-12">
             <h4 class="header-line">ADMIN DASHBOARD</h4>
                      </div>
       </div>
           <div class="row">
<a href="manage-Music .php">
 <div class="col-md-3 col-sm-3 col-xs-6">
 <div class="alert alert-success back-widget-set text-center">
 <i class="fa fa-book fa-5x"></i>
<?php
$sql ="SELECT id from tblMusic  ";
$query = $dbh -> prepare($sql);
$query->execute();
$results=$query->fetchAll(PDO::FETCH_OBJ);
$listdMusic =$query->rowCount();
?>
<h3><?php echo htmlentities($listdMusic );?></h3>
```

```
Music  Listed
</div></div></a>
        <a href="manage-issued-Music .php">
          <div class="col-md-3 col-sm-3 col-xs-6">
              <div class="alert alert-warning back-widget-set text-center">
                  <i class="fa fa-recycle fa-5x"></i>


<?php
$sql2 ="SELECT id from tblissuedbookdetails where (RetrunStatus=" || RetrunStatus is
null)";
$query2 = $dbh -> prepare($sql2);
$query2->execute();
$results2=$query2->fetchAll(PDO::FETCH_OBJ);
$returnedMusic =$query2->rowCount();
?>
                    <h3><?php echo htmlentities($returnedMusic );?></h3>
                  Music  Not Returned Yet
                </div>
              </div>
            </a>
 <a href="reg-students.php">
          <div class="col-md-3 col-sm-3 col-xs-6">
              <div class="alert alert-danger back-widget-set text-center">
                  <i class="fa fa-users fa-5x"></i>
                  <?php
$sql3 ="SELECT id from tblstudents ";
$query3 = $dbh -> prepare($sql3);
$query3->execute();
$results3=$query3->fetchAll(PDO::FETCH_OBJ);
$regstds=$query3->rowCount();
?>
```

```
                    <h3><?php echo htmlentities($regstds);?></h3>
                    Registered Users
                  </div>
                </div></a>
 <a href="manage-authors.php">
 <div class="col-md-3 col-sm-3 col-xs-6">
                  <div class="alert alert-success back-widget-set text-center">
                    <i class="fa fa-user fa-5x"></i>


<?php
$sq4 ="SELECT id from tblauthors ";
$query4 = $dbh -> prepare($sq4);
$query4->execute();
$results4=$query4->fetchAll(PDO::FETCH_OBJ);
$listdathrs=$query4->rowCount();
?>
<h3><?php echo htmlentities($listdathrs);?></h3>
Authors Listed
</div>
</div></a>
</div>
 <div class="row">
<a href="manage-categories.php">
<div class="col-md-3 col-sm-3 rscol-xs-6">
<div class="alert alert-info back-widget-set text-center">
<i class="fa fa-file-archive-o fa-5x"></i>
<?php
$sql5 ="SELECT id from tblcategory ";
$query5 = $dbh -> prepare($sql5);
$query5->execute();
```

```
$results5=$query5->fetchAll(PDO::FETCH_OBJ);
$listdcats=$query5->rowCount();
?>
                    <h3><?php echo htmlentities($listdcats);?> </h3>
                    Listed Categories
                  </div>
                </div></a>
      </div>
   </div>
   </div>


<!-- CONTENT-WRAPPER SECTION END-->
<?php include('includes/footer.php');?>
     <!-- FOOTER SECTION END-->
   <!-- JAVASCRIPT FILES PLACED AT THE BOTTOM TO REDUCE THE LOADING TIME  -->
   <!-- CORE JQUERY  -->
   <script src="assets/js/jquery-1.10.2.js"></script>
   <!-- BOOTSTRAP SCRIPTS  -->
   <script src="assets/js/bootstrap.js"></script>
     <!-- CUSTOM SCRIPTS  -->
   <script src="assets/js/custom.js"></script>
</body>
</html>
<?php } ?>
```

User module

```
<?php
session_start();
```

```
error_reporting(0);
include('includes/config.php');
if(strlen($_SESSION['login'])==0)
  {
header('location:index.php');
}
else{?>


<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
   <meta charset="utf-8" />
   <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1" />
   <meta name="description" content="" />
   <meta name="author" content="" />
   <title>Online Music Streaming Platform Management System | User Dash Board</title>
   <!-- BOOTSTRAP CORE STYLE  -->
   <link href="assets/css/bootstrap.css" rel="stylesheet" />
   <!-- FONT AWESOME STYLE  -->
   <link href="assets/css/font-awesome.css" rel="stylesheet" />
   <!-- CUSTOM STYLE  -->
   <link href="assets/css/style.css" rel="stylesheet" />
   <!-- GOOGLE FONT -->
```

```
    <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet'
type='text/css' />
</head>
<body>
     <!------MENU SECTION START-->
<?php include('includes/header.php');?>
<!-- MENU SECTION END-->
   <div class="content-wrapper">
        <div class="container">
       <div class="row pad-botm">
          <div class="col-md-12">
             <h4 class="header-line">User DASHBOARD</h4>
                    </div>
       </div>

           <div class="row">
<a href="listed-Music .php">
<div class="col-md-4 col-sm-4 col-xs-6">
 <div class="alert alert-success back-widget-set text-center">
 <i class="fa fa-book fa-5x"></i>
<?php
$sql ="SELECT id from tblMusic  ";
$query = $dbh -> prepare($sql);
$query->execute();
$results=$query->fetchAll(PDO::FETCH_OBJ);
```

```
$listdMusic =$query->rowCount();
?>
<h3><?php echo htmlentities($listdMusic );?></h3>
Music  Listed
</div></div></a>
            <div class="col-md-4 col-sm-4 col-xs-6">
                <div class="alert alert-warning back-widget-set text-center">
                    <i class="fa fa-recycle fa-5x"></i>
<?php
$rsts=0;
 $sid=$_SESSION['stdid'];
$sql2 ="SELECT id from tblissuedbookdetails where StudentID=:sid and (RetrunStatus=:rsts
|| RetrunStatus is null || RetrunStatus='')";
$query2 = $dbh -> prepare($sql2);
$query2->bindParam(':sid',$sid,PDO::PARAM_STR);
$query2->bindParam(':rsts',$rsts,PDO::PARAM_STR);
$query2->execute();
$results2=$query2->fetchAll(PDO::FETCH_OBJ);
$returnedMusic =$query2->rowCount();
?>
                    <h3><?php echo htmlentities($returnedMusic );?></h3>
                  Music  Not Returned Yet
                </div>
              </div>
<a href="issued-Music .php">
```

```
<div class="col-md-4 col-sm-4 col-xs-6">
 <div class="alert alert-success back-widget-set text-center">
 <i class="fa fa-book fa-5x"></i>
     <h3> </h3>
Issued Music
</div></div></a>
       </div>
   </div>
   </div>
    <!-- CONTENT-WRAPPER SECTION END-->
<?php include('includes/footer.php');?>
     <!-- FOOTER SECTION END-->
   <!-- JAVASCRIPT FILES PLACED AT THE BOTTOM TO REDUCE THE LOADING
TIME  -->
   <!-- CORE JQUERY  -->
   <script src="assets/js/jquery-1.10.2.js"></script>

<!-- BOOTSTRAP SCRIPTS  -->
   <script src="assets/js/bootstrap.js"></script>
     <!-- CUSTOM SCRIPTS  -->
   <script src="assets/js/custom.js"></script>
</body>
</html>
<?php } ?>
```

CHAPTER 7

OUTPUT SCREEN OF THE PROJECT

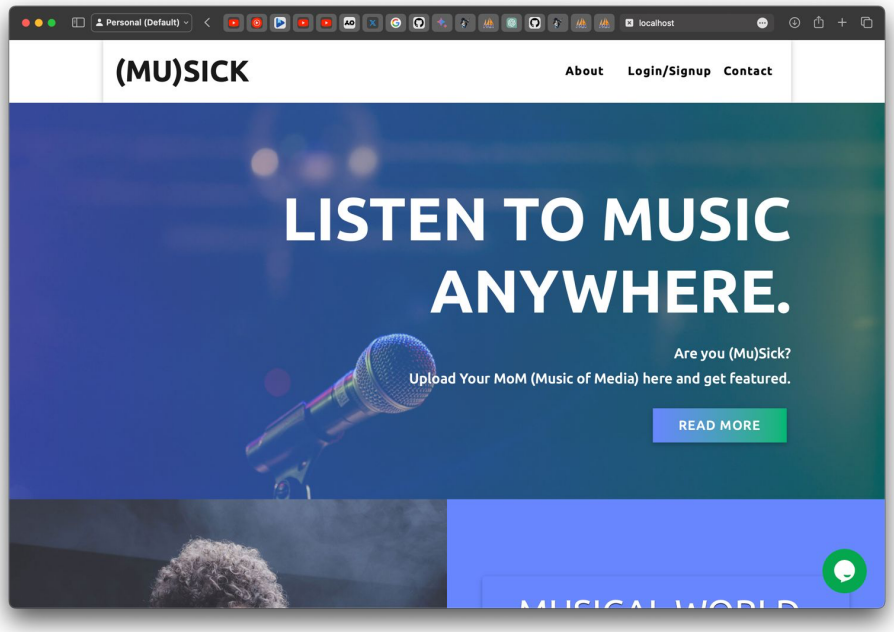


Figure 7.1 Home page

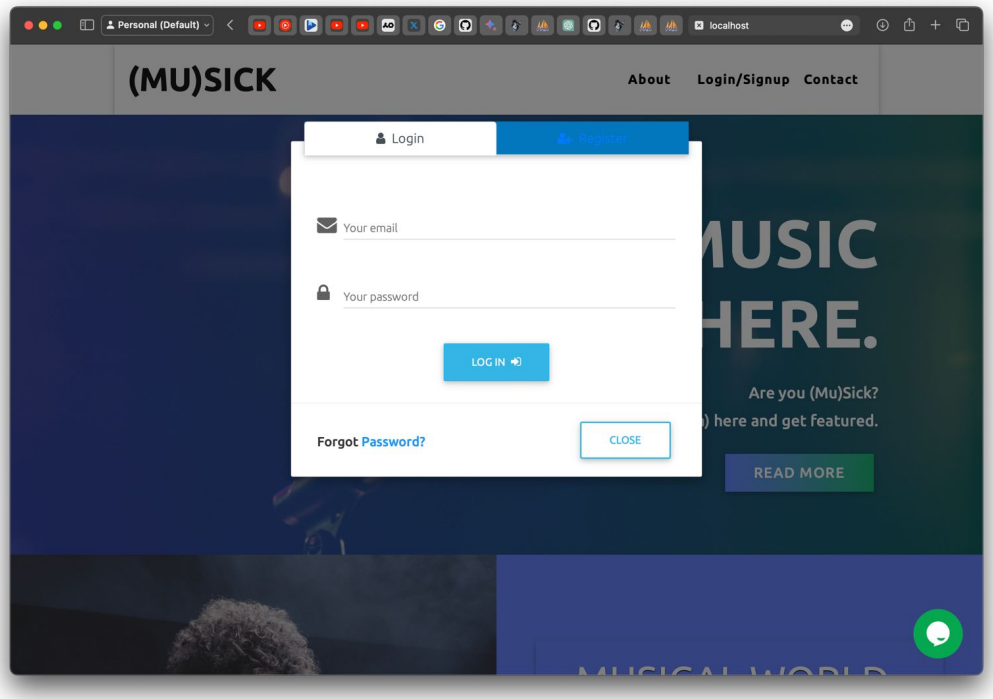


Figure 7.2 User login

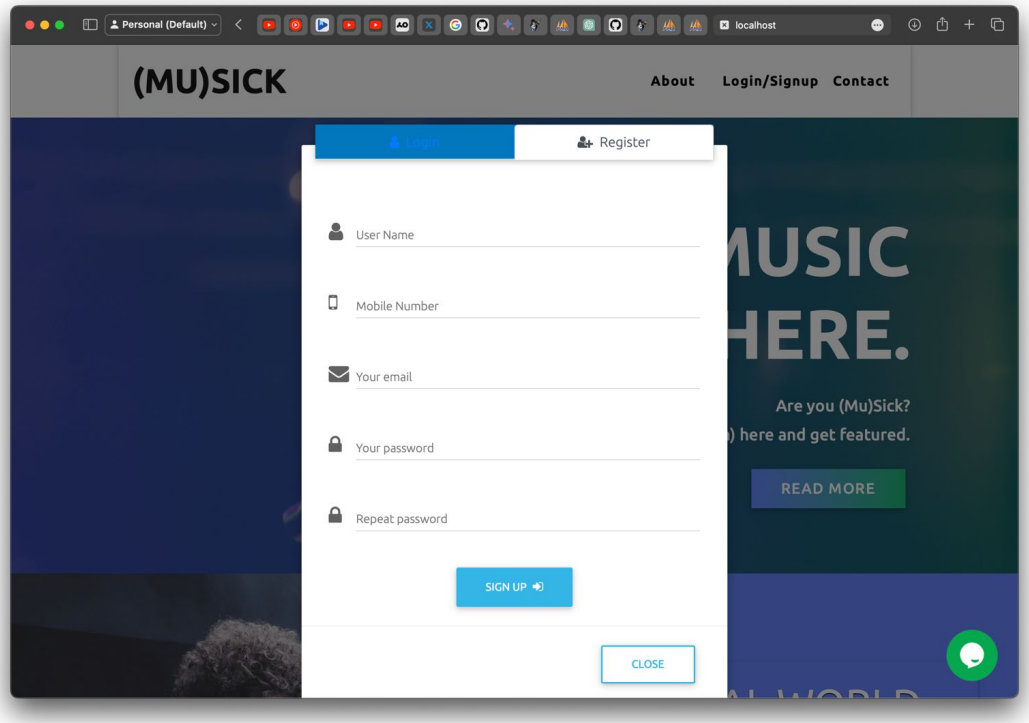
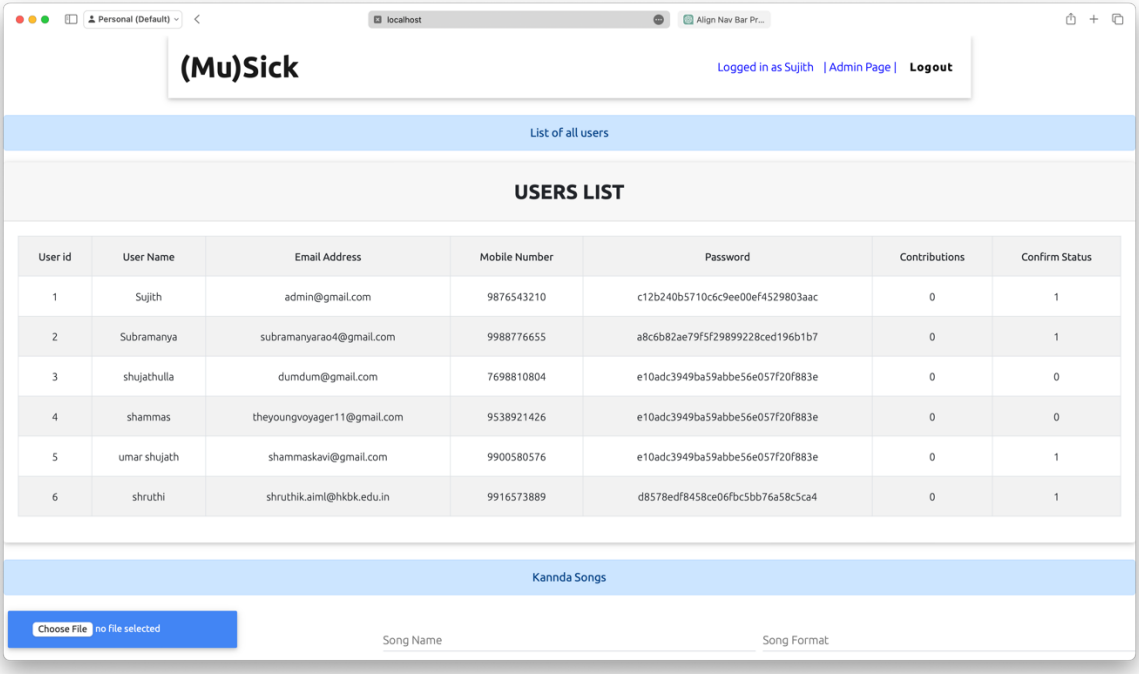


Figure 7.3 User Signup



User id	User Name	Email Address	Mobile Number	Password	Contributions	Confirm Status
1	Sujith	admin@gmail.com	9876543210	c12b240b5710c6c9ee00ef4529803aac	0	1
2	Subramanya	subramanyarao4@gmail.com	9988776655	a8c6b82ae79f5f29899228ced196b1b7	0	1
3	shujathulla	dumdum@gmail.com	7698810804	e10adc3949ba59abbe56e057f20f883e	0	0
4	shammas	theyoungvoyager11@gmail.com	9538921426	e10adc3949ba59abbe56e057f20f883e	0	0
5	umar shujath	shammaskavi@gmail.com	9900580576	e10adc3949ba59abbe56e057f20f883e	0	1
6	shruthi	shruthik.aiml@hkbk.edu.in	9916573889	d8578edf8458ce06fbc5bb76a58c5ca4	0	1

Figure 7.4 Admin Dashboard

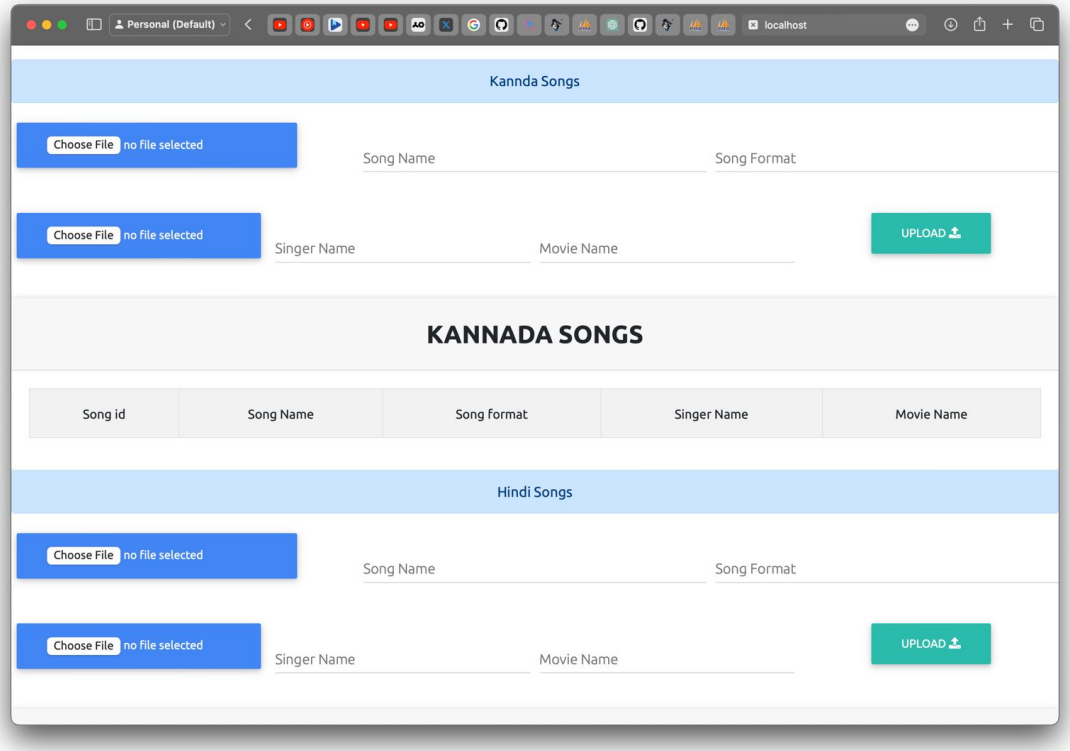


Figure 7.5 Category

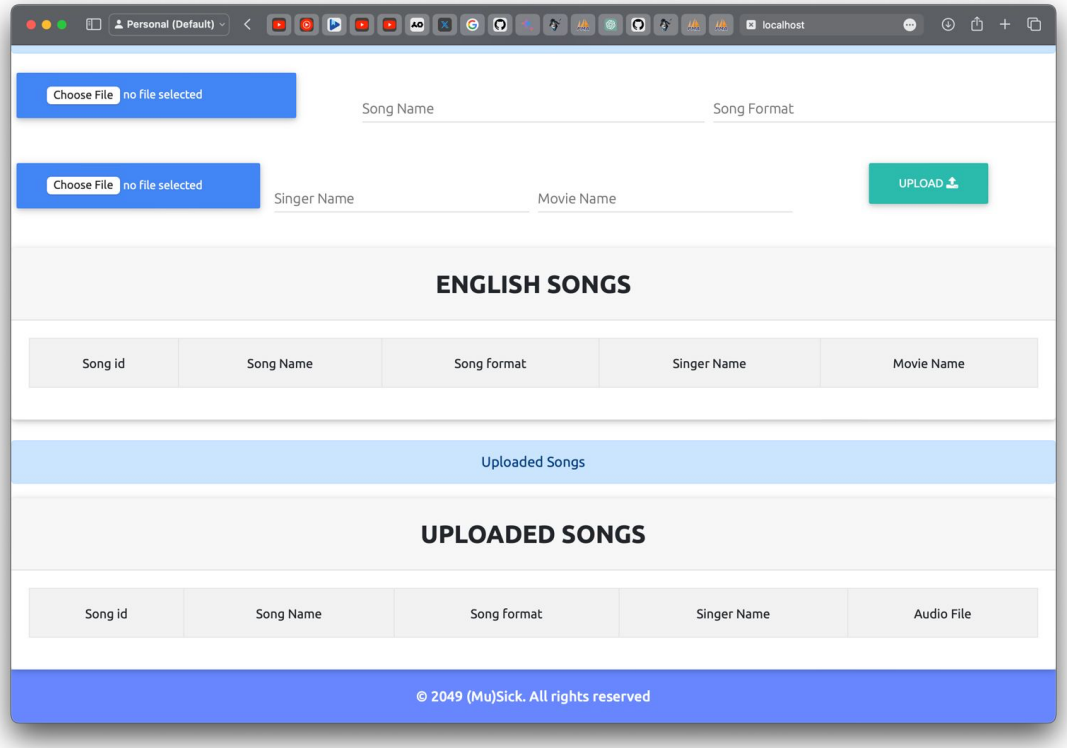


Figure 7.6 Add Category

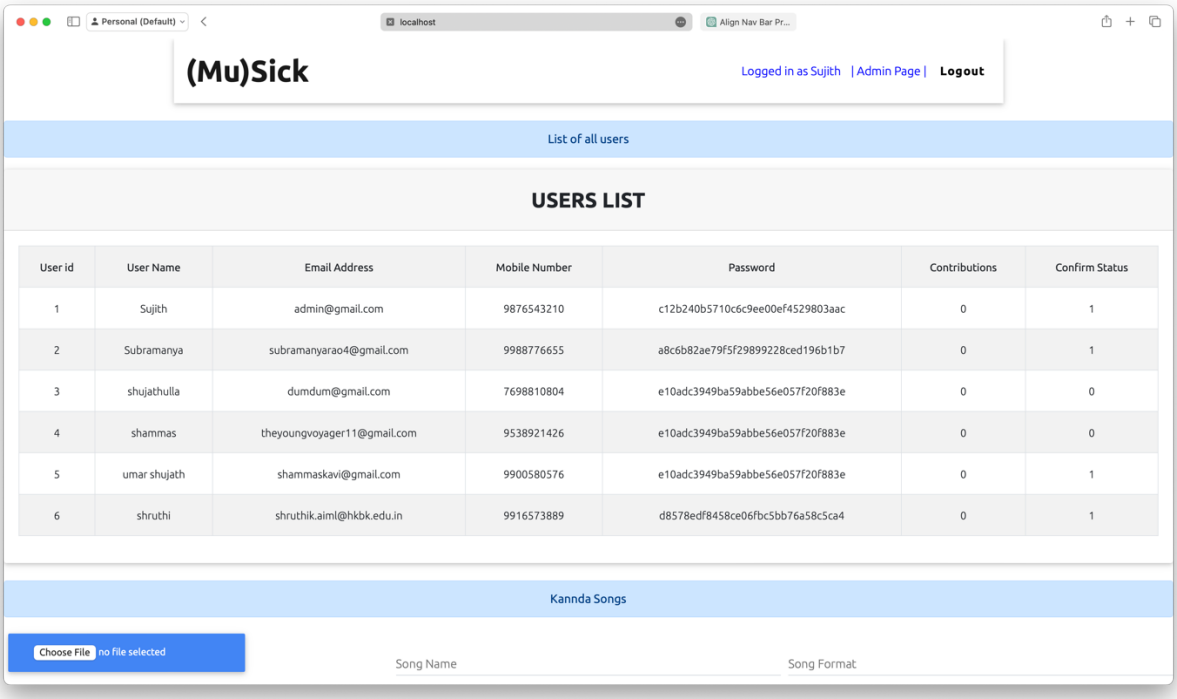


Figure 7.7 Manage Category

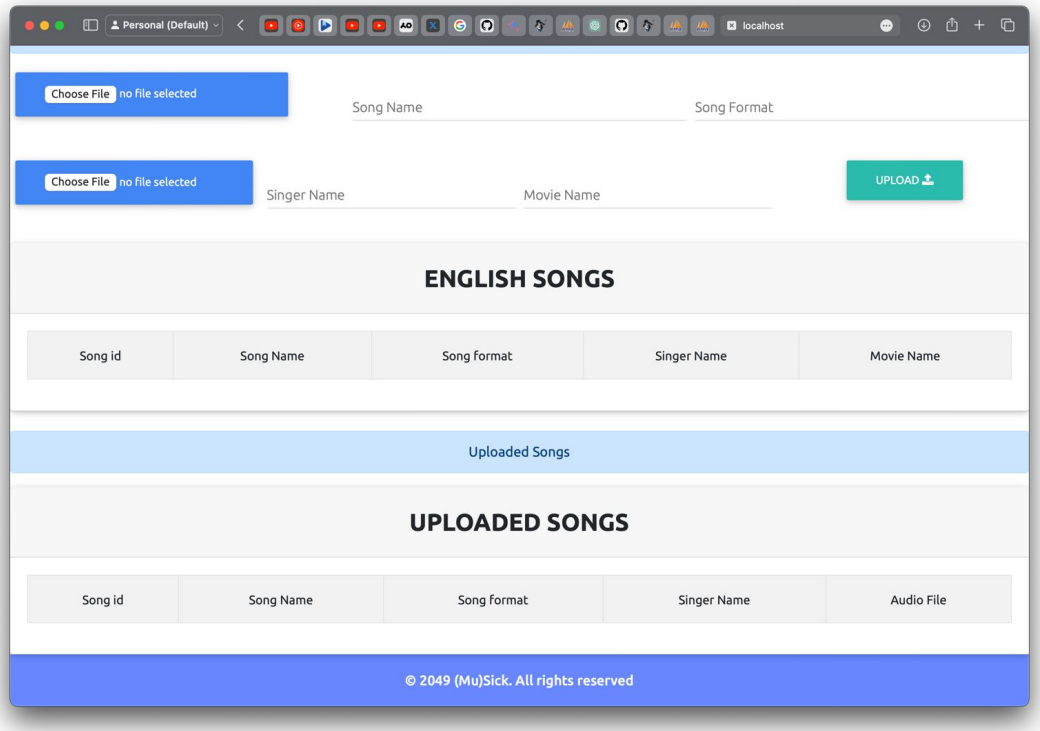


Figure 7.9 Add Music

CHAPTER 8

CONCLUSION

In conclusion, the development of our admin-centric Music database management website represents a significant advancement in optimizing Music operations and empowering administrative efficiency. Through meticulous planning, strategic design, and diligent implementation, we have created a robust platform tailored to streamline administrative tasks and enhance overall Music management. The website's user-friendly interface and comprehensive functionalities, such as cataloging, inventory management, and user analytics, offer administrators powerful tools to effectively oversee Music resources and operations. Features like processes for inventory updates, user management, significantly reduce manual workload and enhance productivity. As we reflect on the project's progression, we recognize the collaborative efforts of our team, stakeholders, and administrators, whose insights and expertise have been instrumental in shaping the website's success. Looking ahead, we are committed to continuous refinement and innovation, ensuring the website remains adaptable to emerging needs and technological advancements in Music management.

Our vision extends beyond mere administrative efficiency; it encompasses a commitment to empowering librarians and administrators to better serve our patrons and foster a thriving learning environment within our community. This project underscores our dedication to leveraging technology as a catalyst for positive change in Music administration and reaffirms our commitment to excellence in Music services.

REFERENCES

- www.google.com
- www.wikipedia.com
- www.w3school.com

HKBK COLLEGE OF ENGINEERING

Department of Artificial Intelligence and Machine Learning

Programme Educational Objectives (PEO)

PEO-1: Graduates will possess fundamental knowledge of engineering and will pursue successful career as Software Professionals, AI Developers, Data Analyst, and Data Scientists.

PEO-2: Graduates will demonstrate lifelong learning in the field of Artificial Intelligence and Machine Learning.

PEO-3: Graduates will perform their duties with professional skills and ethics.

Programme Specific Outcomes (PSO)

PSO-1: Design thinking and problem solving skill: Understand, formulate and solve interdisciplinary problems with AI tools.

PSO-2: Professional Skill: A skill to apply the AI and ML appropriate techniques techniques and contribute to society with innovations, research and entrepreneurships.

HKBK COLLEGE OF ENGINEERING

Department of Artificial Intelligence and Machine Learning

Programme Outcomes (PO)

PO-1 Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PO-2 Problem Analysis: Identify, formulate, research literature and analyse complex engineering problems reaching substantiated conclusion using first principles of mathematics, natural sciences and engineering sciences.

PO-3 Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the culture societal, and environmental considerations.

PO-4 Conduct Investigations of complex problems: Use research-based knowledge and research methos including design of experiments, analysis and interpretation of data, and synthesis of the information to provide validconclusion.

PO-5 Modern Tool Usage: Create select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of limitation.

PO-6 The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health , safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO-7 Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environment contexts, and demonstrate the knowledge of need for sustainable development.

PO-8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO-9 Individual and Team Work: Function effectively as individual, and as a member or leader in diverse teams, and in multidisciplinary.

PO-10 Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO-11 Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO-12 Life-Long Learning: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

HKBK COLLEGE OF ENGINEERING

VISION

- To empower students through wholesome education and enable the students to develop into highly qualified and trained professionals with ethics and emerge as responsible citizen with broad outlook to build a vibrant nation.

MISSION

- To achieve academic excellence in science, engineering and technology through dedication to duty, innovation in teaching and faith in human values.
- To enable our students to develop into outstanding professional with high ethical standards to face the challenges of 21st century.
- To provide educational opportunities to the deprived and weaker section of the society to uplift their socio-economic status.

Department of Artificial Intelligence and Machine Learning

VISION

- To prepare students to serve society with a holistic approach and participate in nation building.

MISSION

- To lay a strong foundation in theoretical concepts and experimental learning in the field of artificial intelligence and machine learning, and allied fields. To inculcate self-learning abilities, team spirit, and professional ethics among the students to emerge as valued entrepreneurs and serve society.
- To promote innovation and entrepreneurship ideas among students to be job creators in the future.