VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM-590014

A WEB LAB Mini-Project Report

On

"Music Management System"

A Mini-project report submitted in partial fulfillment of the requirements for the award of the degree of ***Bachelor of Engineering in Computer Science and Engineering*** *of Visvesvaraya Technological University, Belgaum.*

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DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGAEMENT,

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

(Accredited by NBA, New Delhi for 3 Years Validity:26-07-2018 to 30-06-2021)

CERTIFICATE

This is to certify that the Mini-Project on Database Management System (DBMS) entitled **"MUSIC MANAGEMENT SYSTEM"** has been successfully carried out by **ANUSHA ANIL SHET (1DT16CS012) and CHANDANA S (1DT16CS022)** bonafide students of **Dayananda Sagar Academy of Technology and Management** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Computer Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during academic year 2019-2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

GUIDES:

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Examiners: **Signature with Date**

1:

2:

ACKNOWLEDGEMENT

It gives us immense pleasure to present before you our project titled **'MUSIC MANAGEMENT SYSTEM'.**The joy and satisfaction that accompany the successful completion of any task would be incomplete without the mention of those who made it possible. We are glad to express our gratitude towards our prestigious institution **DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT** for providing us with utmost knowledge, encouragement and the maximum facilities in undertaking this project.

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We sincerely acknowledge the guidance and constant encouragement of our mini-project guides, **Assistant Prof. Mrs. Keerthi Mohan.**

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ABSTRACT

Our project Music Management system is designed to automate and simplify the work done by the users of who love music. The aim of the project is to entertain users by different varieties of songs who use our Music Management system.

It includes maintenance of User details, Songs details, Artists details, Language details, along with the lyrics URL. The system allows the music user to search for name of the songs which are available. The system is designed such that songs are available on all days. The system displays all the songs details such as image, songs, duration etc.
The system asks the user to enter his details such as name, password, email, address and contact number to register.

Our software has the facility to add new record, update existing record and delete an existing record. The Music Management System can be entered using a username and password. It is accessible either by an administrator or user. Administrator has access to all the functions of the System and can see the user details. Users can add and modify their details.

The main purpose of this software is to make it convenient for the users to play the songs as and when they require. Our Project interface is very user-friendly and simplifies the manual operation of a music Management.

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INTRODUCTION

1.1 Background

Considering the volumes of data that needs to be tracked and accessed, it would be very difficult to manage the accuracy and quality of data manually and deliver them accordingly. It would be almost impossible to get the details required in case of manual maintenance of data. The **MUSICA**(Music With Comfort) is an innovative solution that helps in managing huge loads of songs. The Music Management System simplifies the manual work and allows smooth administration of the operations of streaming music.

1.2 Problem Definition

This project is aimed to reduce the manual work involved in data maintenance in the Song details and automates the Music Management System. This project is developed mainly to simplify the manual work and allows smooth administration of the operations of music. The purpose of the project is to computerize the administrative operations of Songs and to develop software which is user friendly, simple, fast, and cost – effective. It deals with the collection of Users, Songs, Artists etc. Traditionally, it was done manually. The main function of the system is to enter and listen Songs and retrieve these details as and when required..

1.3 Motivation

Manual System: The system is very time consuming and lazy. This system is more prone to errors and sometimes the approaches to various problems are unstructured.

Technical System: With the invent of latest technology, we should update our systems which are very fast, accurate, user-friendly and reliable.

1.4 Objective

Main goal of this project is to simplify the manual operation of the Music with the following advantages:

1. Faster System
2. Accuracy
3. Reliability
4. Cost Effective
5. User Friendly
6. Immediate access to the data and statistics

1.5 Scope of the project

The project provides a very simple application which simplifies the manual work done by the operation team of Music Management System. This application saves the data of users in the database. Allows users to search for Songs.

CHAPTER 2

REQUIREMENTS

The requirements can be broken down into 2 major categories namely hardware and software requirements. The former specifies the minimal hardware facilities expected in a system in which the project has to be run. The later specifies the essential software needed to build and run the project.

2.1 Hardware Requirements

The Hardware requirements are very minimal and the program can be run on most of the machines.

- Processor - Intel 486/Pentium processor or better
- Processor Speed - 500 MHz or above
- Hard Disk - 10GB(approx)
- RAM - 64MB or above
- Storage Space - Approx. 20MB

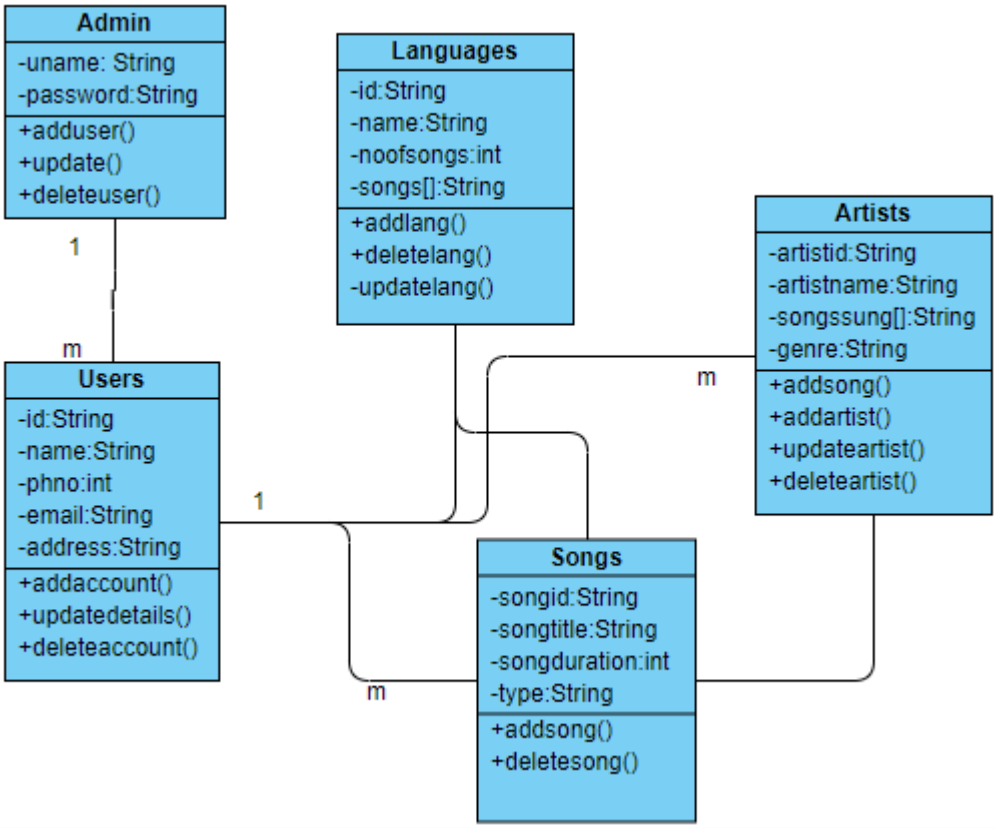
2.2 Software Requirements

- Technology Implemented : Apache Server
- Language Used : PHP
- Database : My SQL
- User Interface Design : HTML, CSS
- Web Browser : Google Chrome, IE8
- Software : XAMPP Version: 7.1.10

CHAPTER 3

DESIGN

3.1 Class Diagram



CHAPTER 4

IMPLEMENTATION

4.1 Admin Login:

In this project the login page has been created by using php code. There are two login page one is for user and another is for admin. In the admin page when we enter the name and password and press login button we get a page where we can view and update details for all songs and artists.

4.2 Artists page:

In this page, the user will be able to view different artists and will also be able to see songs for every specified artist and listen to the same.

4.3 Genre page:

In this page user can view the different songs for each of the genre present and also all available languages for each genre.

4.4 User registration:

A new user can register by providing there username and password. Once logged in the user can provide the necessary details which are required.

4.6 Stored procedure

The Stored procedure implemented in the project for :

(i)helps admin to view set of songs details.

(ii) When the admin clicks on “Viewnewsongs”, the admin can view all the songs which are recently added.

CHAPTER 5

CONCLUSION AND FUTURE WORK

The Music Management System is a great improvement over the manual system which uses lots of manual work. The computerization of the system speeds up the process. This system was thoroughly checked and tested with dummy data and found to be very reliable.

Advantages

- The Music Management System is fast, efficient and reliable.
- Avoids data redundancy and inconsistency
- Web-based
- Any number of users can use it
- Provides more security and integrity to data

Future Enhancements

The Music Management Systemcan be enhanced by including more functionality like maintaining albums, Track the number of songs , maintain users Feedback, Reports, Billing and Offers etc.

We can further add an improvised music system which far more efficient and reliable.

APPENDIX

a) SCREENSHOTS

Welcome Page

Figure 3.1 Welcome Page

Admin Login:

Figure 3.2 Admin login

User Registration:

Figure 3.3 User registration

Insert new songs:

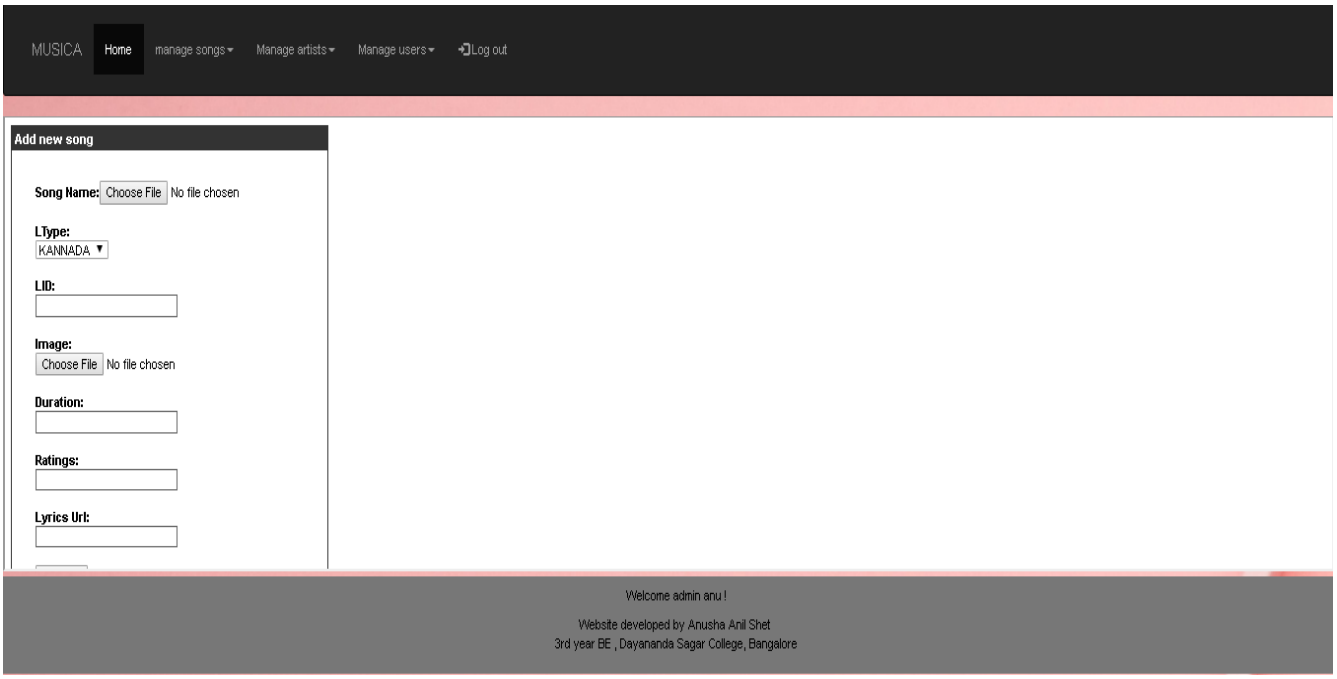


Figure 3.4 Insert New Songs

Insert new artists:

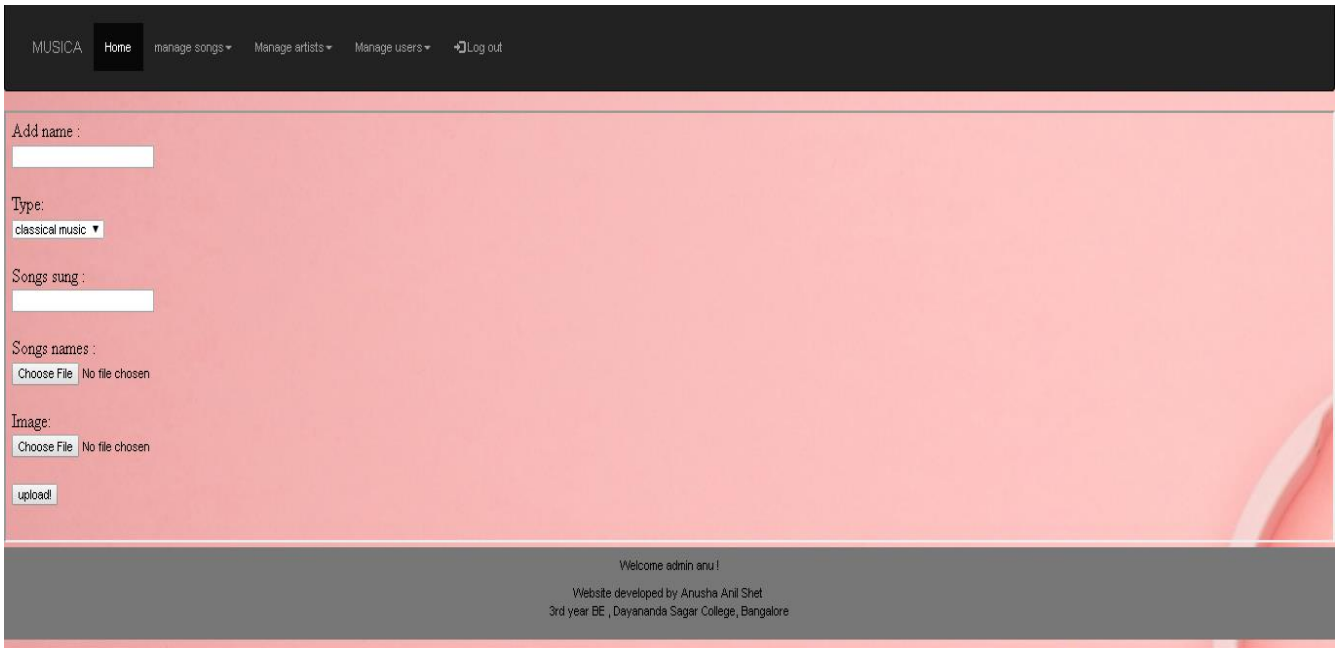


Figure 3.5 Insert new artists

Update and delete songs:

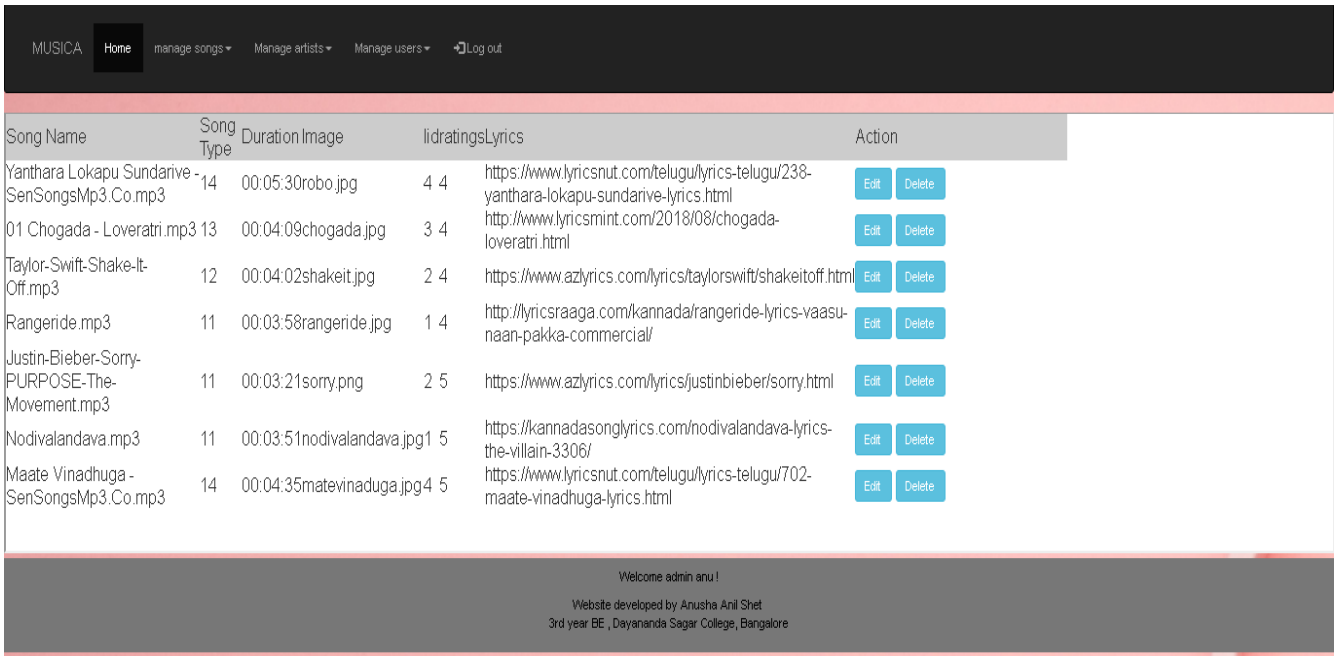


Figure 3.6 Update and delete songs

Update and delete users:

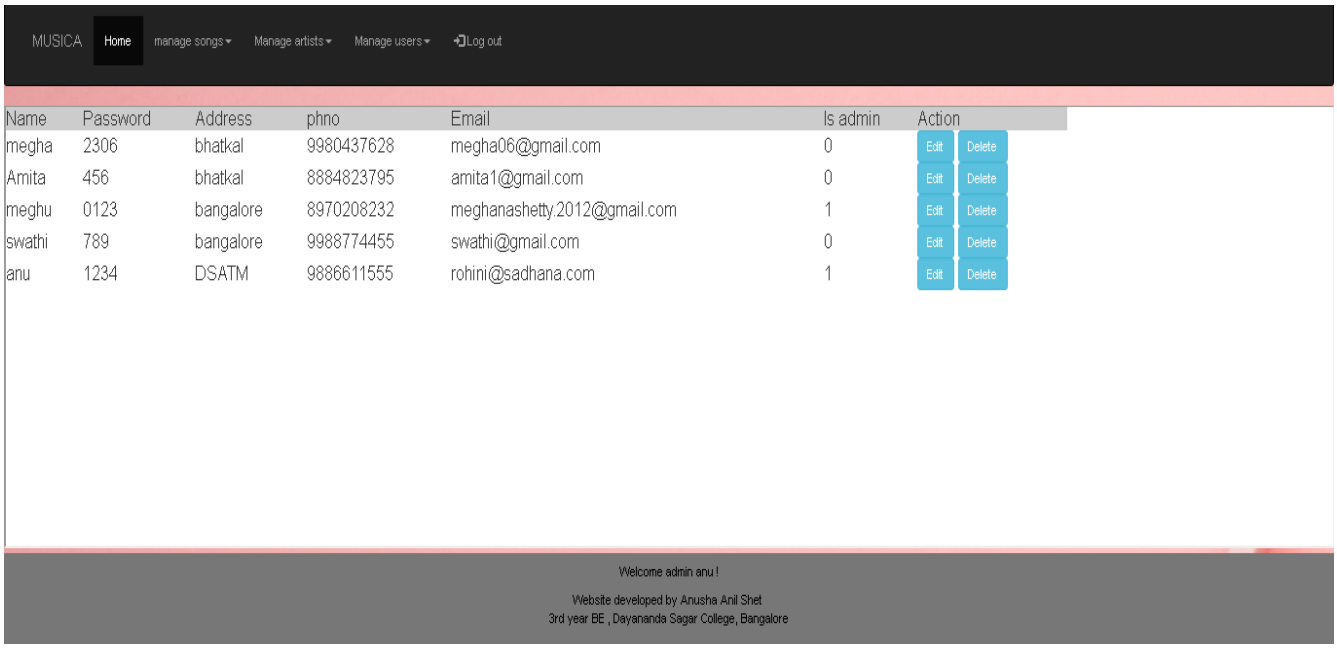


Figure 3.7 Update and delete users

SOURCE CODE

Sample Source code to display the available songs

Filename: songs.php

```
<?php
//including the database connection file
include_once("config.php");
//$type = $_GET['type'];


//fetching data in descending order (lastest entry first)
//$result = mysql_query("SELECT * FROM users ORDER BY id DESC"); // mysql_query is
deprecated

$result = mysqli_query($mysqli, "SELECT * FROM songs ORDER BY title "); // using mysqli_query
for all pizza


?>

<html>
<head>

        <title>Display songs</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
</head>

<body background="/musicdbase/image/superthumb.png">


        <table width='100%' border=0>
        <tr style="background-color:black; color:white">
                                <th><strong>Image</strong></th>
<th><strong>Title</strong></th>
<th><strong>Duration</strong></th>
                                <th><strong>Ratings</strong></th>
                                <th><strong>Lyrics Url</strong></th>
<th><strong>Playsong</strong></th>
```

```
</tr>

	<?php
	//while($res = mysql_fetch_array($result)) { // mysql_fetch_array is deprecated, we need to use mysqli_fetch_array
	while($res = mysqli_fetch_array($result)) {

		echo "<tr>";
		echo "<td width=20%;><b>"."<embed width=420px height=315px src=image/".$res['Image']." ></b></td>";

		echo "<td width=25%;><b>".$res['title']."</b></td>";
		echo "<td width=20%;><b>".$res['duration']."</b></td>";
		echo "<td width=20%;><b>".$res['ratings']."</b></td>";
		echo "<td width=20%;>"."<a href=".$res['lyrics'].">Click here</a></td>";

		echo "<td>";
		echo "<audio controls>";
		echo "<source src=\"songs/".$res['title']."\">";
		echo "Your browser does not support the audio element.";
		echo "</audio>";
		echo "</td >";
		echo "</tr>";

		}



	?>
	</table>
</body>
</html>
```

REFERENCES

BOOK REFERENCES:

- Learn to Code HTML and CSS: Develop and Style Websites (Web Design Courses) 1st, Kindle Edition by Shay Howe
- *PHP 6 and MySQL 5* - Larry Ullman

WEBSITE REFERENCES:

HTML Learning:

- https://www.codecademy.com/
- https://dash.generalassemb.ly/
- https://www.w3schools.com/

PHP Learning:

- http://www.tutorialspoint.com/php/
- https://killerphp.com
- https://www.w3schools.com/