

MUSICMATE
A MINI PROJECT REPORT

Submitted by

JAYAPRAKASH A

230701129

PRIYANS

230701403

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE

RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)

THANDALAM

CHENNAI-602105

2023 - 24

BONAFIDE CERTIFICATE

Certified that this project report “**MUSICMATE**” is
the bonafide work of **JAYAPRAKASH (230701129) PRIYANS**

(230701403)

who carried out the project work under my
supervision.

Submitted for the Practical Examination held on _____

SIGNATURE

Mrs.Divya.M
Associate Professor,
Computer Science and Engineering,
Rajalakshmi Engineering College
Thandalam, Chennai - 602 105

SIGNATURE

Mr.RAGU.G
Assistant Professor ,
Computer Science and Engineering,
Rajalakshmi Engineering College,
Thandalam, Chennai - 602 105

INTERNAL EXAMINER

EXTERNAL EXAMIER

TABLE OF CONTENTS

Chapter 1

1 INTRODUCTION	
1.1 INTRODUCTION	6
1.2 OBJECTIVES	7
1.3 MODULES	7

Chapter 2

2 SURVEY OF TECHNOLOGIES	
2.1 SOFTWARE DESCRIPTION	9
2.2 LANGUAGES	9
2.2.1 PHP	9
2.2.2 SQL	9
2.2.3 HTML	10
2.2.4 CSS	10
2.2.5 JAVASCRIPT	10

Chapter 3

3 REQUIREMENTS AND ANALYSIS	
3.1 REQUIREMENT SPECIFICATION	11
3.1.1 FUNCTIONAL REQUIREMENTS	11
3.1.2 NON FUNCTIONAL REQUIREMENTS	12
3.2 HARDWARE AND SOFTWARE REQUIREMENTS	13
3.3 ARCHITECTURE DIAGRAM	14
3.4 ER DIAGRAM	15
3.5 NORMALIZATION	16

Chapter 4

4 PROGRAM CODE	
4.1 PROGRAM CODE	18

Chapter 5

5 RESULTS AND DISCUSSION	
5.1 RESULTS AND DISCUSSION	27

Chapter 6

6 CONCLUSION _____

6.1 CONCLUSION-----31

Chapter 7

7 REFERENCES _____

7.1 REFERENCES-----32

1.1 INTRODUCTION

The music industry, a vibrant tapestry of talent and creativity, often faces challenges in connecting artists with the right opportunities. Traditional methods of artist booking can be time-consuming, inefficient, and prone to miscommunication. To address these issues, we introduce MusicMate, an innovative web-based platform designed to streamline the artist booking process.

MusicMate empowers artists to showcase their talent to a global audience by providing a centralized platform to create detailed profiles, upload their music, and manage their bookings. Event organizers, on the other hand, can easily search for artists based on their preferences, ensuring a seamless and efficient booking experience.

By leveraging advanced technology and user-friendly interfaces, MusicMate aims to revolutionize the music industry, fostering stronger connections between artists and organizers, and ultimately elevating the live music experience.

1.2 OBJECTIVES

Centralized Artist Platform: Create a single platform where artists can showcase their talent, manage their bookings, and connect with event organizers.

Efficient Booking Process: Streamline the booking process for both artists and event organizers by providing a user-friendly interface and automated tools.

Enhanced Artist Visibility: Increase the visibility of artists by providing them with a platform to reach a wider audience and attract potential bookings.

1.3 MODULES

Login

The login module allows existing users to access their accounts. It consists of a simple form for entering username and password. Upon successful authentication, the user is redirected to their personalized dashboard.

Signup

The signup module enables new users to create accounts. It requires users to provide essential information such as name, email, password, and contact details. After successful registration, users can log in and start using the platform.

Home

The home module serves as the main landing page for both logged-in and non-logged-in users. It displays featured artists, upcoming events, and relevant recommendations. Logged-in users will see their personalized dashboard with upcoming bookings and notifications.

Menubar

The menubar is a horizontal navigation bar located at the top of the screen. It provides quick access to essential features such as home, search, profile, and settings. It also includes a notification bell for important updates and messages.

Searchbar

The searchbar allows users to search for artists, events, or venues based on keywords, genres, or locations. The search results are displayed in a user-friendly format, making it easy to find relevant information.

Result Window

The result window displays the search results in a clear and concise manner. It includes information such as artist name, genre, location, availability, and contact details. Users can filter the results based on their preferences and directly contact the artist or event organizer.

Bookmark

The bookmark feature allows users to save their favorite artists, events, or venues for future reference. Bookmarked items can be accessed easily from the user's profile, making it convenient to revisit them later.

2.1 SOFTWARE DESCRIPTION

MusicMate is a comprehensive artist booking platform that empowers both artists and event organizers. The platform provides a user-friendly interface for artists to showcase their talent, manage their bookings, and connect with potential clients. Event organizers can easily search for artists based on their preferences, facilitating a seamless booking process.

2.2 LANGUAGES

2.2.1 JAVA

Role: Swing, a powerful GUI toolkit built on top of the Abstract Window Toolkit (AWT), plays a crucial role in creating the user-friendly interface of MusicMate. It provides a rich set of components like buttons, labels, text fields, and more, enabling the development of visually appealing and interactive user experiences.

Usage: Java Swing is extensively used to design and implement various modules of MusicMate, including login and signup forms, the home page, artist profiles, event listings, and search and filter functionalities.

Advantages of Using Java Swing

Platform Independence: Java Swing applications can run on any platform with a Java Virtual Machine (JVM) installed, ensuring wide compatibility.

Rich Feature Set: Swing offers a wide range of customizable components and layout managers, enabling the creation of complex and visually appealing user interfaces.

2.2.2 MongoDB

Role

MongoDB, a powerful NoSQL database, serves as the backbone of MusicMate's backend infrastructure. It efficiently stores and retrieves large volumes of unstructured data, enabling the platform to handle a diverse range of information, including artist profiles, event details, user preferences, and booking history.

Usage

MongoDB is utilized to store and manage user data, artist profiles, event information, booking requests, and analyze user behavior to gain valuable insights.

Advantages of Using MongoDB

Flexible Data Model: MongoDB's flexible schema allows for easy adaptation to evolving data requirements, making it ideal for dynamic applications like MusicMate.

Scalability: MongoDB's distributed architecture enables it to scale horizontally, handling increasing workloads and data volumes without compromising performance.

3.2 HARDWARE AND SOFTWARE REQUIREMENTS

Hardware Requirements:

- Desktop PC or Laptop: A reliable desktop PC or laptop to host the Blood Donation Bank Management System.
- Processor: Intel® Core TM i3-6006U CPU @ 2.00GHz or equivalent for efficient processing.
- RAM: 4.00 GB RAM to handle concurrent user requests and database operations.
- System Architecture: 64-bit operating system, x64 based processor for optimal performance.
- Monitor Resolution: 1024 x 768 monitor resolution for clear display of the system interface.
- Input Devices: Keyboard and Mouse for user interaction.
- Server with high processing power and ample storage capacity
- Reliable network infrastructure

Software Requirements:

- Operating System: Windows 10
- Code editor :Visual Studio Code
- Front End: SWING (JAVA)
- Back End: MONGODB

1. ADD DONOR PAGE

```
<?php include 'session.php'; ?>
<html>

<head>

    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/b
ootstrap.min.css">
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jqu
ery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.
0/umd/popper.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/boo
tstrap.min.js"></script>

<style>

#sidebar{position:relative;margin-top:-20px}
#content{position:relative;margin-left:210px}
@media screen and (max-width: 600px) {
    #content {
        position:relative;margin-left:auto;margin-right:auto;
    }
}
</style>
</head>

<body style="color:black">
    <?php
        include 'conn.php';
        if (isset($_SESSION['loggedin']) &&
$_SESSION['loggedin'] == true) {
```

```

    ?>
<div id="header">
<?php $active="add"; include 'header.php';
?>
</div>
<div id="sidebar">
<?php include 'sidebar.php'; ?>

</div>
<div id="content">
    <div class="content-wrapper">
        <div class="container-fluid">
            <div class="row">
                <div class="col-md-12 lg-12 sm-12">

                    <h1 class="page-title">Add Donor</h1>
                </div>
            </div>
            <hr>
            <form name="donor" action="save_donor_data.php"
method="post">
                <div class="row">
                    <div class="col-lg-4 mb-4"><br>
                        <div class="font-italic">Full Name<span
style="color:red">*</span></div>
                        <div><input type="text" name="fullname" class="form-
control" required></div>
                    </div>
                    <div class="col-lg-4 mb-4"><br>
                        <div class="font-italic">Mobile Number<span
style="color:red">*</span></div>
                        <div><input type="text" name="mobilenumber" class="form-
control" required></div>
                    </div>
                    <div class="col-lg-4 mb-4"><br>
                        <div class="font-italic">Email Id</div>
                        <div><input type="email" name="emailid" class="form-
control"></div>
                    </div>
                </div>

                <div class="row">
                    <div class="col-lg-4 mb-4"><br>

```

```

        <div class="font-italic">Age<span
style="color:red">*</span></div>
        <div><input type="text" name="age" class="form-
control" required></div>
    </div>

    <div class="col-lg-4 mb-4"><br>
    <div class="font-italic">Gender<span
style="color:red">*</span></div>
    <div><select name="gender" class="form-control"
required>
    <option value="">Select</option>
    <option value="Male">Male</option>
    <option value="Female">Female</option>
    </select>
    </div>
</div>
    <div class="col-lg-4 mb-4"><br>
    <div class="font-italic">Blood Group<span
style="color:red">*</span></div>
    <div><select name="blood" class="form-control"
required>
    <option value=""selected disabled>Select</option>
    <?php
        include 'conn.php';
        $sql= "select * from blood";
        $result=mysqli_query($conn,$sql) or die("query
unsuccessful.");
        while($row=mysqli_fetch_assoc($result)){
            ?>
            <option value=" <?php echo $row['blood_id'] ?>">
<?php echo $row['blood_group'] ?> </option>
        <?php } ?>
    </select>
    </div>
</div>

</div>
<br>
<div class="row">
<div class="col-lg-4 mb-4">

```

```

        <div class="font-italic">Address<span
style="color:red">*</span></div>
        <div><textarea class="form-control" name="address"
required></textarea></div></div>
    </div> <br>
    <div class="row">
        <div class="col-lg-4 mb-4">
            <div><input type="submit" name="submit" class="btn
btn-primary" value="Submit" style="cursor:pointer"
onclick="popup()"></div>
            </div>
        </div>
    </form>

    </div>
</div>
</div>
<?php
} else {
    echo '<div class="alert alert-danger"><b> Please
Login First To Access Admin Portal.</b></div>';
    ?>
    <form method="post" name="" action="login.php"
class="form-horizontal">
        <div class="form-group">
            <div class="col-sm-8 col-sm-offset-4"
style="float:left">

                <button class="btn btn-primary" name="submit"
type="submit">Go to Login Page</button>
            </div>
        </div>
    </form>
<?php }
?>
<script>
function popup() {
    alert("Data added Successfully.");
}
</script>
</body>
</html>

```

2 . ADMIN DASHBOARD

```
<html>
<head>

    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/b
ootstrap.min.css">
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jqu
ery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.
0/umd/popper.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/boo
tstrap.min.js"></script>

<style>

#sidebar{position:relative;margin-top:-20px}
#content{position:relative;margin-left:210px}
@media screen and (max-width: 600px) {
    #content {
        position:relative;margin-left:auto;margin-right:auto;
    }
}

.block-anchor {
    color:red;

    cursor: pointer;
}
</style>
</head>

<body style="color:black;" >

    <?php
```

```

    include 'conn.php';
    include 'session.php';
    if (isset($_SESSION['loggedin']) &&
$_SESSION['loggedin'] == true) {
        ?>

<div id="header">
<?php include 'header.php';
?>
</div>
<div id="sidebar">
<?php
$active="dashboard";
include 'sidebar.php'; ?>

</div>
<div id="content">

    <div class="content-wrapper">
        <div class="container-fluid">
            <div class="row">
                <div class="col-md-12 lg-12 sm-12">
                    <h1 class="page-title">Dashboard</h1>
                </div>
            </div>
            <hr>
            <div class="row">
                <div class="col-md-12">
                    <div class="row">
                        <div class="col-md-3">
                            <div class="panel panel-default panel-info"
style="border-radius:50px;">
                                <div class="panel-body panel-info bk-
primary text-light" style="background-color:#D6EAF8;
border-radius:50px">
                                    <div class="stat-panel text-center">
                                        <?php
                                            $sql =" SELECT * from donor_details
";
                                            $result=mysqli_query($conn,$sql) or
die("query failed.");
                                            $row=mysqli_num_rows($result);

```



```

        ?>

        <div class="stat-panel-number h1"><?php
echo $row?></div>
        <div class="stat-panel-title text-
uppercase">Blood Donors Available </div>
        <br>
        <button class="btn btn-danger"
onclick="window.location.href = 'donor_list.php';">
        Full Detail <i class="fa fa-arrow-
right"></i>
        </button>

    </div>
</div>

</div>
</div>

    <div class="col-md-3">
        <div class="panel panel-default panel-info"
style="border-radius:50px;">
            <div class="panel-body panel-info bk-
primary text-light" style="background-color:#ABEBC6;border-
radius:50px;">
                <div class="stat-panel text-center">
                    <?php
                        $sql1 =" SELECT * from contact_query
";
                        $result1=mysqli_query($conn,$sql1) or
die("query failed.");
                        $row1=mysqli_num_rows($result1);

                    ?>

                    <div class="stat-panel-number h1
"><?php echo $row1?></div>
                    <div class="stat-panel-title text-
uppercase"> All User Queries </div>
                    <br>

```

```

        <button class="btn btn-danger"
onclick="window.location.href = 'query.php';">
            Full Detail <i class="fa fa-arrow-
right"></i>
        </button>
    </div>
</div>

</div>
</div>

<div class="col-md-3">
    <div class="panel panel-default panel-info"
style="border-radius:50px;">
        <div class="panel-body panel-info bk-
primary text-light" style="background-color:#E8DAEF
;border-radius:50px; ">
            <div class="stat-panel text-center">
                <?php
                    $sql2 ="SELECT * from contact_query
where query_status=2 ";
                    $result2=mysqli_query($conn,$sql2) or
die("query failed.");
                    $row2=mysqli_num_rows($result2);

                ?>

                <div class="stat-panel-number h1
"><?php echo $row2 ?></div>
                <div class="stat-panel-title text-
uppercase"> Pending Queries </div>
                <br>
                <button class="btn btn-danger"
onclick="window.location.href = 'pending_query.php';">
                    Full Detail <i class="fa fa-arrow-
right"></i>
                </button>
            </div>
        </div>
    </div>
</div>

```

```

        </div>
    </div>
</div>
<?php
} else {
    echo '<div class="alert alert-danger"><b> Please Login
First To Access Admin Portal.</b></div>';
    ?>
    <form method="post" name="" action="login.php"
class="form-horizontal">
        <div class="form-group">
            <div class="col-sm-8 col-sm-offset-4"
style="float:left">

                <button class="btn btn-primary" name="submit"
type="submit">Go to Login Page</button>
            </div>
        </div>
    </form>
<?php }
?>

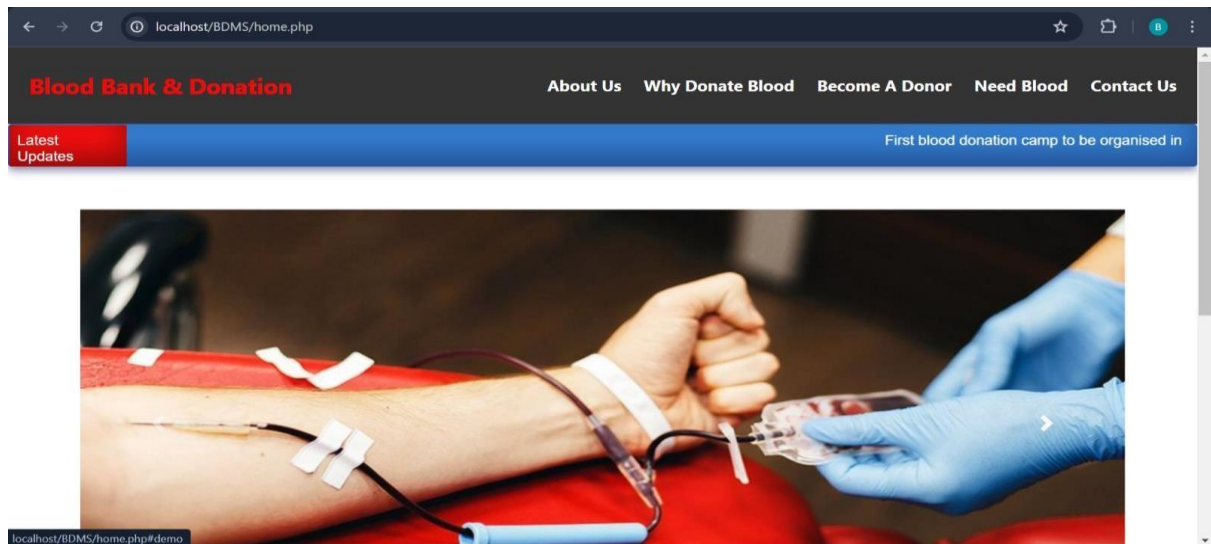
</body>
</html>

```

Chapter 5

RESULTS AND DISCUSSION

DONOR AND RECIPIENT HOME PAGE



DONOR REGISTRATION

Blood Bank & Donation[About Us](#)[Why Donate Blood](#)[Become A Donor](#)[Need Blood](#)[Contact Us](#)

Donate Blood

Full Name*

Mobile Number*

Email Id

Age*

Gender*

Select

Blood Group*

Select

Address*

Submit

RECIPIENT REGISTRATION

Blood Bank & Donation

[About Us](#) [Why Donate Blood](#) [Become A Donor](#) [Need Blood](#) [Contact Us](#)

Need Blood

Blood Group*
Select

Reason, why do you need blood?*

Search

CONTACT PAGE

Blood Bank & Donation

[About Us](#) [Why Donate Blood](#) [Become A Donor](#) [Need Blood](#) [Contact Us](#)

Contact

Send us a Message

Full Name:

Phone Number:

Email Address:

Message:

Send Message

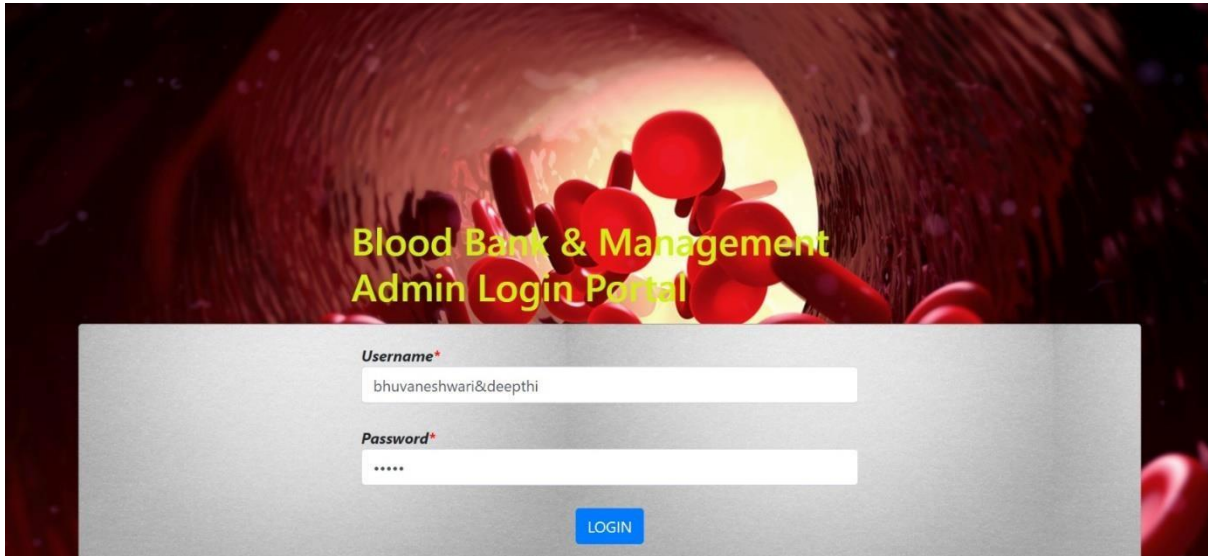
Contact Details

Address :
Chennai, Thandalam.

Contact Number :
122345654

Email:
bloodbank@gmail.com

ADMIN LOGIN



The login portal features a background image of a blood vessel with red blood cells. A white login box is centered on the page. It contains two input fields: 'Username*' with the text 'bhuvaneshwari&deepthi' and 'Password*' with masked characters '*****'. A blue 'LOGIN' button is positioned below the password field.

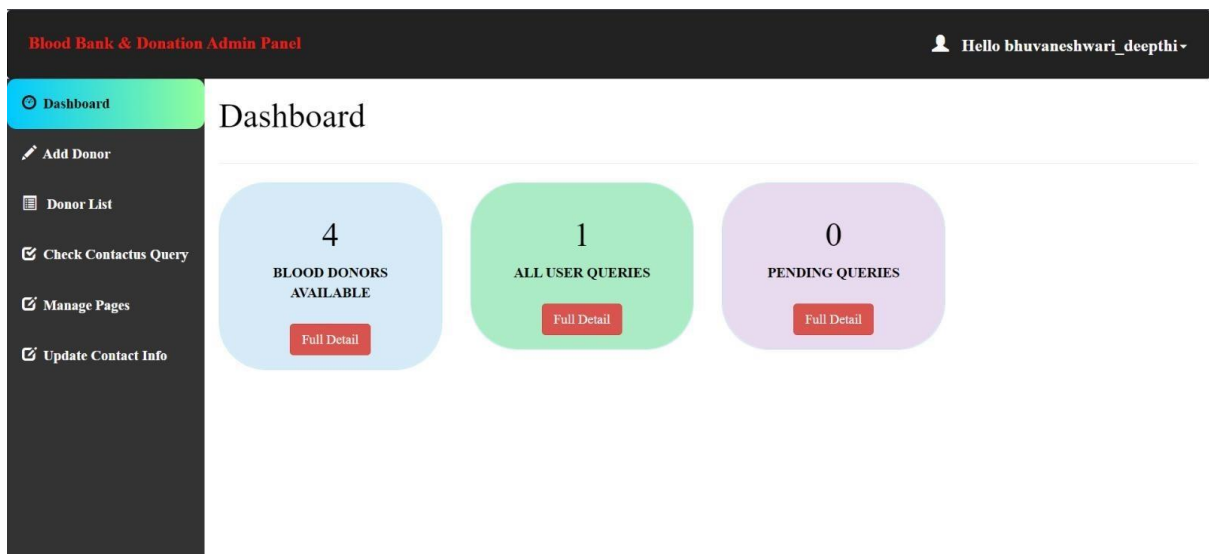
**Blood Bank & Management
Admin Login Portal**

Username*
bhuvaneshwari&deepthi

Password*

LOGIN

ADMIN DASHBOARD



The dashboard has a dark header with the title 'Blood Bank & Donation Admin Panel' and a user greeting 'Hello bhuvaneshwari_deepthi'. A left sidebar lists navigation options: 'Dashboard' (active), 'Add Donor', 'Donor List', 'Check Contactus Query', 'Manage Pages', and 'Update Contact Info'. The main area, titled 'Dashboard', displays three summary cards: '4 BLOOD DONORS AVAILABLE', '1 ALL USER QUERIES', and '0 PENDING QUERIES'. Each card includes a 'Full Detail' button.

Blood Bank & Donation Admin Panel Hello bhuvaneshwari_deepthi

Dashboard

- Dashboard
- Add Donor
- Donor List
- Check Contactus Query
- Manage Pages
- Update Contact Info

Summary	Count	Action
BLOOD DONORS AVAILABLE	4	Full Detail
ALL USER QUERIES	1	Full Detail
PENDING QUERIES	0	Full Detail

ADMIN RECORDS

Blood Bank & Donation Admin Panel

Hello bhuvaneshwari_deepthi

Dashboard

Add Donor

Donor List

Check Contactus Query

Manage Pages

Update Contact Info

Donor List

S.no	Name	Mobile Number	Email Id	Age	Gender	Blood Group	Address	Action
1	bhuvaneshwari	124395998	bhu@gmail.com	18	Female	B-	xxxxxx	DELETE
2	deepthi	324579890	de@gmail.com	19	Female	B+	yyyyyyyyyyyy	DELETE
3	Baskaran	123456765	baskaran@gmail.com	21	Male	B+	6,XXXX	DELETE
4	Dhanasree	6789103546	dhanasree@gmail.com	19	Female	O+	16,xxxxxxx	DELETE

1

localhost/BDMS/admin/add_donor.php

6.1 Conclusion

MusicMate is a comprehensive artist booking platform that aims to revolutionize the music industry. By leveraging the power of technology, it provides a seamless and efficient solution for artists and event organizers to connect and collaborate.

The platform's user-friendly interface, coupled with advanced features like search and filter functionalities, enables users to easily find and book artists or events. The robust backend infrastructure, powered by MongoDB, ensures efficient data storage and retrieval, enabling smooth operations.

MusicMate's potential for growth and impact is significant. As the platform continues to evolve, it can incorporate additional features such as real-time chat, video conferencing, and virtual event hosting. By staying ahead of industry trends and adapting to changing user needs, MusicMate can solidify its position as a leading platform in the music industry.

Ultimately, MusicMate aims to empower artists, elevate the live music experience, and foster a thriving music community. By providing a reliable, efficient, and innovative platform, MusicMate is poised to make a lasting impact on the music industry.

7.1 REFERENCES

- [1] <https://web.ku.ac.th/saranaroo/chap5a.htm>
- [2] <http://porcheckin.com/2014/05/blood-การบริจ าคเลื อ/>
- [3] <https://www.redcross.or.th/forum/16095>
- [4] <https://www.blood.co.uk/the-donation-process/furtherinformation/tests-we-carryout/>
- [5] Blood Bank Management System M Sai Tarun¹, S Ravi kishan², Shaik Azaad Suraz Basha³, Shaik Raj Ahammad⁴, U Chandrasekhar⁵, Neha Bagga⁶ Department of Computers Science and Engineering Lovely Professional University Jalandhar, India