

KMS - KNOW MY STATUS

QR-Enabled Teacher Status Monitoring System

USER MANUAL

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Software Requirements



XAMPP Control Panel



MyPHP Console



MYSQL Dashboard



VScode



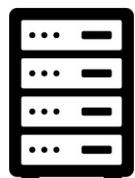
Internet Browser (Preferred Google Chrome 124.0.6367.119)



Hardware Requirements



Mobile Phone



Server (MySQL)



Computer /Laptop



Step by Step Implementation

Step 1: Open VScode > Create Folder KMS> Implement Index.php in below snippet

```
index.php

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <link rel="stylesheet" href="style.css" />
        <link rel="stylesheet" href="assets/style.css" />
        <title>KMS - Know My Status
    </title>
</head>
<!DOCTYPE html>
<html lang="en">
    <head>
        <!-- meta tags, title, and stylesheets -->
    </head>
    <body>
        <a href="login_form.php"><button class="teacher-login-btn">Professor Login</button></a>
        
        <div class="search">
            <input type="text" class="input" placeholder="Search Professor...">
            <oninput="searchTeachers(this.value)" />
            <button class="btn" onclick="toggleTeacherList()">
                <i class="icon-search"></i>
            </button>
            <ul id="teacherList" class="teacher-list hidden">
                <?php
                    // Include your database connection file
                    include 'config.php';

                    // Fetch registered users from the database
                    $query = "SELECT * FROM user_form";
                    $result = mysqli_query($conn, $query);

                    // Loop through each user and generate list items
                    while ($row = mysqli_fetch_assoc($result)) {
                        $userId = $row['id'];
                        $userName = $row['name'];
                        echo "<li class='teacher-list-item'><a href='get_status.php?user_id=$userId'$userName</a></li>";
                    }
                ?>
            </ul>
        </div>
        <script src="script.js"></script>
    </body>
</html>
```

Step 2 : After Implementation of Homepage (Index File). Its time Authentication Site

1. Login Page
2. Register Page

Login Page

```
● ● ● Login_form.php

<?php

@include 'config.php';

session_start();

if(isset($_POST['submit'])){

    $email = mysqli_real_escape_string($conn, $_POST['email']);
    $pass = md5($_POST['password']);

    $select = " SELECT * FROM user_form WHERE email = '$email' && password = '$pass' ";

    $result = mysqli_query($conn, $select);

    if(mysqli_num_rows($result) > 0){

        $row = mysqli_fetch_array($result);

        if($row['user_type'] == 'admin'){

            $_SESSION['admin_name'] = $row['name'];
            header('location:professor-login.php');

        }elseif($row['user_type'] == 'user'){

            $_SESSION['user_name'] = $row['name'];
            header('location:professor-login.php');

        }

    }else{
        $error[] = 'incorrect email or password!';
    }
};

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="shortcut icon" href=".//assets/header1.png">
    <title>login form</title>
```

```

<div class="form-container">

    <form action="" method="post">
        
        <br>
        <?php
        if(isset($error)){
            foreach($error as $error){
                echo '<span class="error-msg">' . $error . '</span>';
            };
        };
        ?>
        <input type="email" name="email" required placeholder="enter your email">
        <input type="password" name="password" required placeholder="enter your password">
        <input type="submit" name="submit" value="login now" class="form-btn">
        <p>don't have an account? <a href="register_form.php">register now</a></p>

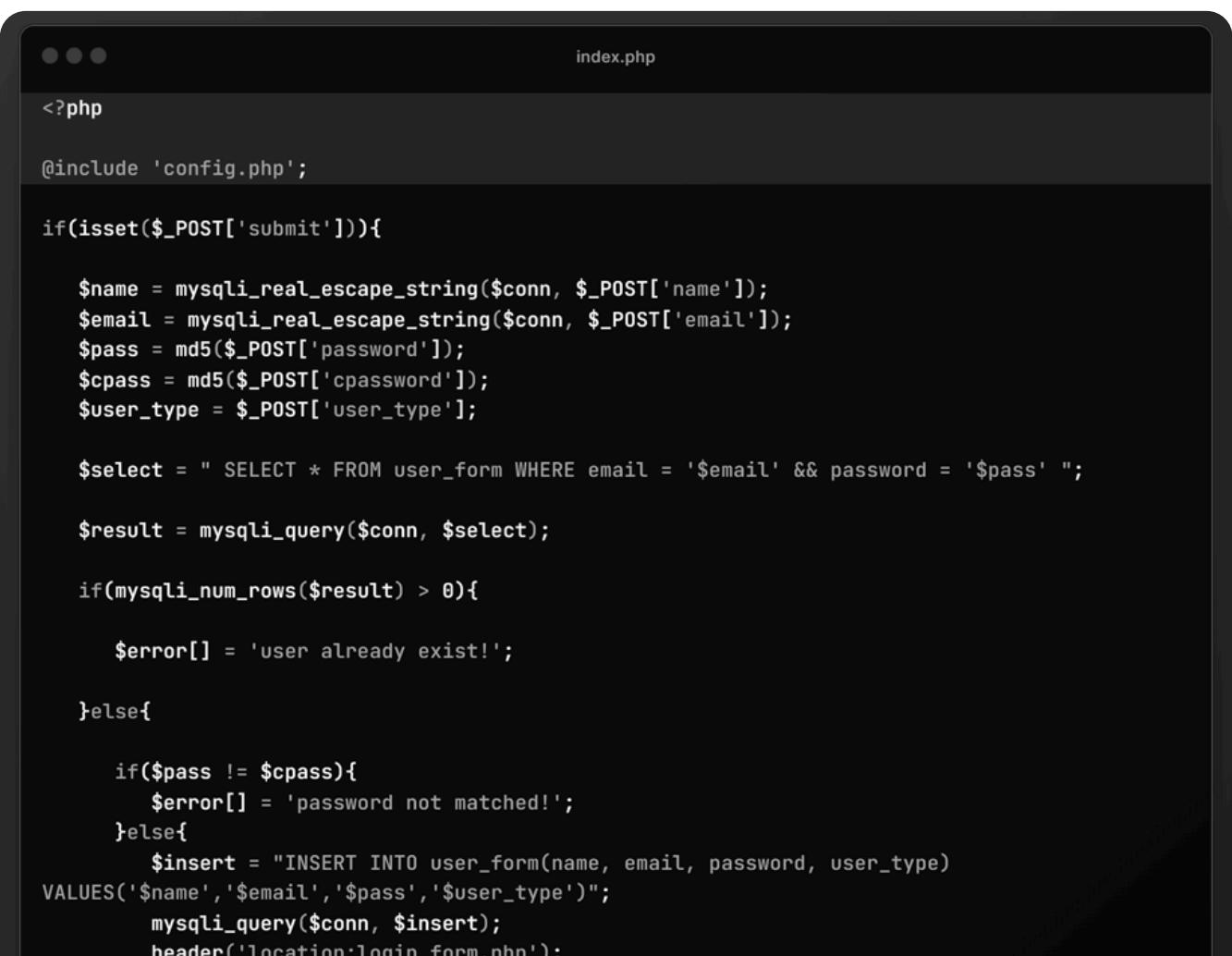
    </form>

</div>

</body>
</html>

```

Register Page



index.php

```

<?php

@include 'config.php';

if(isset($_POST['submit'])){

    $name = mysqli_real_escape_string($conn, $_POST['name']);
    $email = mysqli_real_escape_string($conn, $_POST['email']);
    $pass = md5($_POST['password']);
    $cpass = md5($_POST['cpassword']);
    $user_type = $_POST['user_type'];

    $select = " SELECT * FROM user_form WHERE email = '$email' && password = '$pass' ";

    $result = mysqli_query($conn, $select);

    if(mysqli_num_rows($result) > 0){

        $error[] = 'user already exist!';

    }else{

        if($pass != $cpass){
            $error[] = 'password not matched!';
        }else{
            $insert = "INSERT INTO user_form(name, email, password, user_type)
VALUES('$name','$email','$pass','$user_type')";
            mysqli_query($conn, $insert);
            header('location:login_form.php');
        }
    }
}

```

```
};

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="shortcut icon" href="./assets/header1.png">
    <title>register form</title>

    <!-- custom css file link -->
    <link rel="stylesheet" href="scriptlogin.css">

</head>
<body>

<div class="form-container">

    <form action="" method="post">
        
        <br>
        <?php
        if(isset($error)){
            foreach($error as $error){
                echo '<span class="error-msg">' . $error . '</span>';
            };
        };
        ?>
        <input type="text" name="name" required placeholder="enter your name">
        <input type="email" name="email" required placeholder="enter your email">
        <input type="password" name="password" required placeholder="enter your password">
        <input type="password" name="cpassword" required placeholder="confirm your password">
        <select name="user_type">
            <option value="user">user</option>
            <option value="admin">admin</option>
        </select>
        <input type="submit" name="submit" value="register now" class="form-btn">
        <p>already have an account? <a href="login_form.php">login now</a></p>
    </form>

</div>

</body>
</html>
```



Step 3 : After Login > Professor Dashboard opens up. This is where real time code implementations comes up. We have used JavaScript to command the language and merge it with PHP console.

Professor Dashboard Code

```
Professor_Login.php

<?php
@include 'config.php';
session_start();

if(isset($_POST['submit'])) {
    $email = mysqli_real_escape_string($conn, $_POST['email']);
    $pass = md5($_POST['password']);

    $select = "SELECT * FROM user_form WHERE email = '$email' && password = '$pass'";
    $result = mysqli_query($conn, $select);

    if(mysqli_num_rows($result) > 0) {
        $row = mysqli_fetch_array($result);

        if($row['user_type'] == 'admin') {
            $_SESSION['admin_name'] = $row['name'];
            header('location:professor-login.html');
        } elseif($row['user_type'] == 'user') {
            $_SESSION['user_name'] = $row['name'];
            header('location:professor-login.php');
        }
    } else {
        $error[] = 'Incorrect email or password!';
    }
}

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Professor Dashboard | KMS </title>
    <style>
        body {
            font-family: CerebriSans-Regular;
            text-align: center;
            margin-top: 10px;
        }

        #status {
            margin: 10px auto;
            padding: 5px;
            border: 0px solid #ccc;
            width: 800px;
        }

        #status-bar {
            margin-top: 25px;
        }
    </style>

```

```

/* Optional style for the container */
.container {
    margin: 50px;
}

#update-status{
    margin-top: 20px;
}

#custom-slot {
    display: none;
}

```

</style>

</head>

<body>

```


<h1>Welcome <span><?php echo $_SESSION['user_name'] ?></span> </h1>
<div id="status">
    <h2>Current Status</h2>
    <div id="availability">
        <button class="btn" onclick="setStatus('Available')>Available</button>
        <button class="btn" onclick="setStatus('Not Available')>Not Available</button>
    </div>
    <div id="options" style="display: none;">
        <br>
        <h2>Update Status</h2>
        <div id="available-options">
            <label for="next-slot"><h3>Next Free Slot:</h3></label>
            <select id="next-slot" onchange="toggleCustomTime()">
                <option value="10:05 - 11:40">10:05 - 11:40</option>
                <option value="11:40 - 01:10">11:40 - 01:10</option>
                <option value="01:15 - 02:50">01:15 - 02:50</option>
                <option value="02:55 - 04:20">02:55 - 04:20</option>
                <option value="">Custom</option>
            </select>

            <label for="custom-slot" id="custom-label" style="display: none;"><h3>Custom
Time:</h3></label>
            <input type="text" id="custom-slot" placeholder="Enter Time" style="display:
none;">
        <br>
        <br>
        <button class="btn" onclick="setDetails('Cabin')>Available in Cabin</button>
        <button class="btn" onclick="setDetails('Temporary Busy')>Temporary
Busy</button>
        <button class="btn" onclick="setDetails('Lunch Time')>Lunch Time</button>
        <button class="btn" onclick="customStatus()>Custom Status</button> <!-- Added
custom button -->
    </div>
</div>
<div id="status-bar" class="status-bar"></div>
<div id="update-status"><button id="update-status-btn" class="btn">Update
Status</button></div>
</div>

<div><button id="logout" class="qr-button" onclick="logout()>Logout</button></div>

<div id="qr-code-modal">
    <img id="qr-code-image" src="" alt="QR Code">
</div>

<input type="hidden" id="user-status" value="">

<script>
    function setStatus(status) {
        document.getElementById('status-bar').innerText = status;
        document.getElementById('user-status').value = status; // Update hidden input value
        if (status === 'Available') {

```

```
        document.getElementById('options').style.display = 'block';
    } else {
        document.getElementById('options').style.display = 'none';
    }
}

function setDetails(details) {
const nextSlot = document.getElementById('next-slot').value;
const customSlot = document.getElementById('custom-slot').value;
let status = `Available - ${details}, Next Free Slot: ${nextSlot}`;
if (customSlot.trim() !== '') {
    status += `, ${customSlot}`;
}
document.getElementById('status-bar').innerText = status;
document.getElementById('user-status').value = status; // Update hidden input value
}

function customStatus() {
const customDetails = prompt("Enter custom status details:");
if (customDetails !== null) { // Check if user canceled the prompt
    const customTime = document.getElementById('custom-slot').value;
    let status = `Available - ${customDetails}, Next Free Slot: ${customTime}`;
    document.getElementById('status-bar').innerText = status;
    document.getElementById('user-status').value = status; // Update hidden input value
}
}

function toggleCustomTime() {
var nextSlot = document.getElementById('next-slot').value;
var customLabel = document.getElementById('custom-label');
var customSlot = document.getElementById('custom-slot');

if (nextSlot === "") {
    customLabel.style.display = 'inline-block';
    customSlot.style.display = 'inline-block';
} else {
    customLabel.style.display = 'none';
    customSlot.style.display = 'none';
}
}

document.getElementById('update-status-btn').addEventListener('click', function() {
// Get the status from the hidden input field
var status = document.getElementById('user-status').value;

// Send an AJAX request to updatestatus.php
var xhr = new XMLHttpRequest();
xhr.open('POST', 'updatestatus.php', true);
xhr.setRequestHeader('Content-Type', 'application/x-www-form-urlencoded');
xhr.onreadystatechange = function() {
    if (xhr.readyState === XMLHttpRequest.DONE) {
        if (xhr.status === 200) {
            // Handle successful update
            alert('Status updated successfully!');
            // Update QR code after successful status update
            updateQRCode(status);
        } else {
            // Handle errors
            alert('Error updating status: ' + xhr.responseText);
        }
    }
};
xhr.send('status=' + encodeURIComponent(status));
});
```

```
};

xhr.send('status=' + encodeURIComponent(status));
});

// Function to display the QR code
function updateQRCode(status) {
// Construct the URL with the updated status parameters
var qrCodeUrl = 'generate_qr.php?status=' + encodeURIComponent(status);

// Update the QR code image source
document.getElementById('qr-code-image').src = qrCodeUrl;

// Display the modal or div containing the QR code
document.getElementById('qr-code-modal').style.display = 'block';
}

function logout() {
// Redirect the user to the logout page
window.location.href = 'logout.php';
}
</script>
</body>
</html>
```



Logout.php

```
<?php
// Start the session
session_start();

// Unset all session variables
$_SESSION = array();

// Destroy the session
session_destroy();

// Redirect the user to the login page or any other appropriate page
header("location: login_form.php");
exit;
?>
```



Code Modules

While Creating the web-app I had use few Php library to implement the Qr code function and store the Static QR in Folder.

Few Module Implementation name :

- 1.phpqrcode
- 2.Get_Status.php
- 3.Generate_qr.php
- 4.Updatestatus.php

“phpqrcode” module can be found in Official GITHUB Repo

```
generate_qr.php

<?php
// Include the QR code generation library
require 'phpqrcode/qrlib.php';

// Function to generate the QR code
function generateStaticQRCode() {
    // URL to the script or page where the status is retrieved (local)
    $url = 'http://localhost/TESTKMS1/get_status.php'; // Adjust the path as needed

    // Set QR code options
    $errorCorrectionLevel = 'L'; // Error correction level: L, M, Q, H
    $matrixPointSize = 6; // Size of QR code

    // Generate QR code
    QRcode::png($url, 'qr_codes/static_qrcode.png', $errorCorrectionLevel, $matrixPointSize);
}

// Generate the static QR code
generateStaticQRCode();

// Set appropriate headers for image
header('Content-Type: image/png');

// Output the generated QR code image
readfile('qr_codes/static_qrcode.png');
?>
```





```
<?php
// Include config.php and establish database connection
include 'config.php';

// Start session if not already started
session_start();

// Check if the user is logged in
if (!isset($_SESSION['user_name'])) {
    exit('You are not logged in.');
}

// Check if the status data is received via POST request
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    // Check if the status data is set
    if (isset($_POST['status'])) {
        // Sanitize the status data
        $status = mysqli_real_escape_string($conn, $_POST['status']);

        // Update the status in the database
        $updateQuery = "UPDATE user_form SET updatetestatus = '$status' WHERE name =
'".$_SESSION['user_name']."'";

        if (mysqli_query($conn, $updateQuery)) {
            // Status updated successfully
            echo 'Status updated successfully!';
        } else {
            // Error updating status
            echo 'Error updating status: ' . mysqli_error($conn);
        }
    } else {
        // Status data not set
        echo 'Status data not received.';
    }
} else {
    // Invalid request method
    echo 'Invalid request method.';
}
?>
```



```
GetStatus.php

<?php
@include 'config.php';
session_start();

if(isset($_POST['submit'])) {
    $email = mysqli_real_escape_string($conn, $_POST['email']);
    $pass = md5($_POST['password']);

    $select = "SELECT * FROM user_form WHERE email = '$email' && password = '$pass'";
    $result = mysqli_query($conn, $select);

    if(mysqli_num_rows($result) > 0) {
        $row = mysqli_fetch_array($result);

        if($row['user_type'] == 'admin') {
            $_SESSION['admin_name'] = $row['name'];
            header('location:professor-login.html');
        } elseif($row['user_type'] == 'user') {
            $_SESSION['user_name'] = $row['name'];
            header('location:professor-login.php');
        }
    } else {
        $error[] = 'Incorrect email or password!';
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Professor Status | KMS </title>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css"/>
</head>
<body>
    <div class="wrapper">
        <div class="img-area">
            <div class="inner-area">
                
            </div>
        </div>
        <a href="index.php" class="icon arrow"><i class="fas fa-arrow-left"></i></a>
        <div class="name"><span><?php echo $_SESSION['user_name'] ?></span></div>
        <div class="about">VIT Bhopal University</div>
        <br>
        <div class="buttons">
            <?php
                // Fetch data from the database
                $updatestatus = ''; // Initialize variable
                $select = "SELECT updatestatus FROM user_form WHERE name = '{$_SESSION['user_name']}'";
                $result = mysqli_query($conn, $select);
                if(mysqli_num_rows($result) > 0) {
                    $row = mysqli_fetch_array($result);
                    $updatestatus = $row['updatestatus'];
                }
            ?>
            <button><span><?php echo $updatestatus ?></span></button>
        </div>
    </div>
</body>
</html>
```

Code Modules

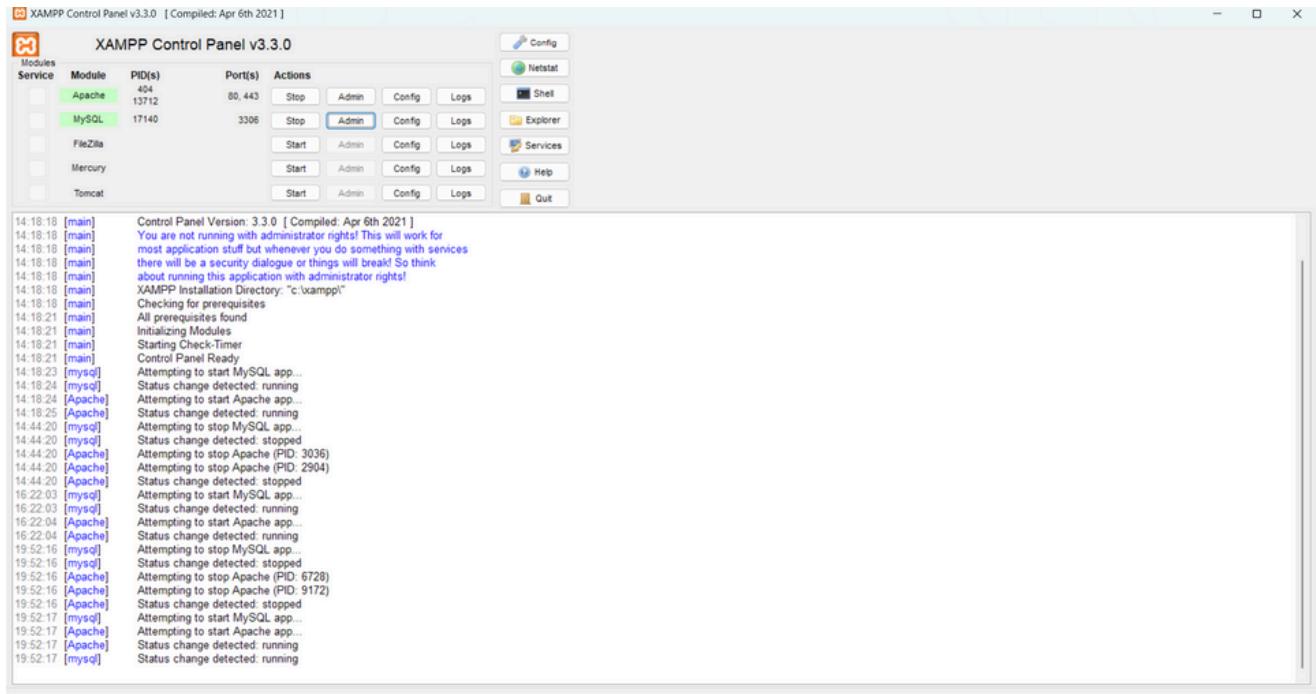
```
> assets
> phpqrcode
> qr_codes
[?] 1.png
[?] 2.png
[?] config.php
[?] generate_qr.php
[?] get_status.php
[?] index.php
[?] KMS.png
[?] login_form.php
[?] logout.php
[?] professor-login.php
[i] README.md
[?] register_form.php
[j] script.js
[#] scriptlogin.css
[#] style.css
[?] updatetestatus.php
```

Your VScode Modules should look like this <



Demo & Implementation Video

Step 1 : Open XAMPP > Start Server Apache/MySQL

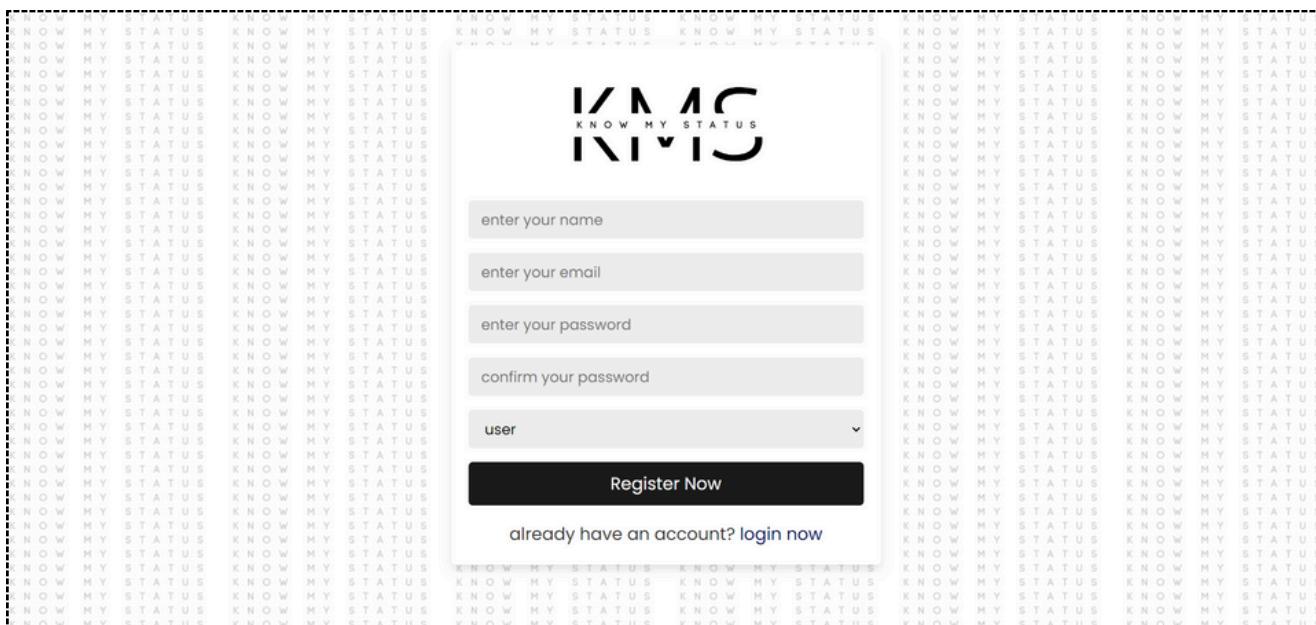
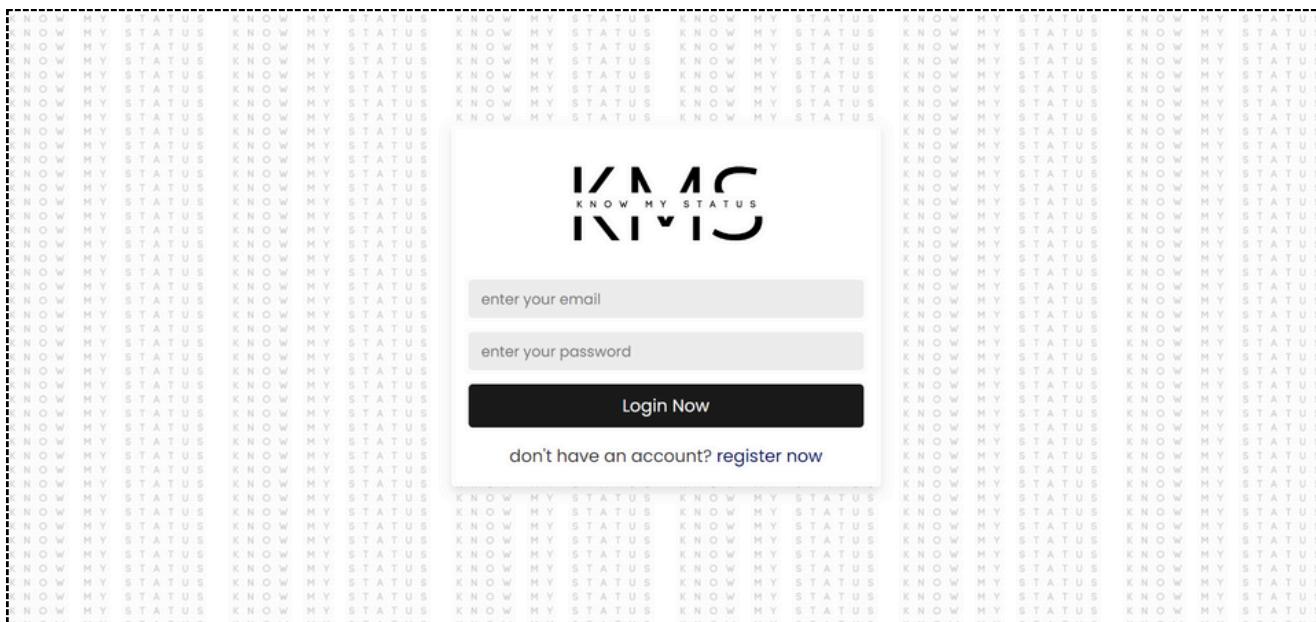
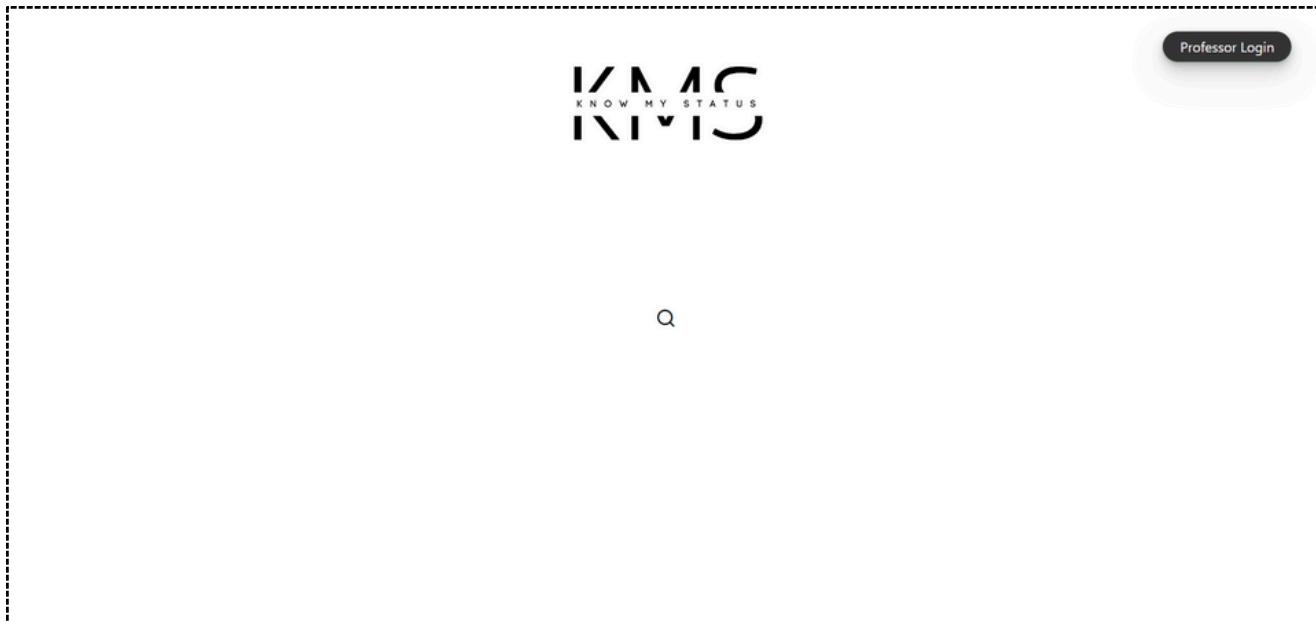


Step 2 : MySQL Dashboard

A screenshot of the phpMyAdmin interface. The left sidebar shows the database structure with databases like information_schema, mysql, performance_schema, and user_db selected. The main area displays the 'user_form' table from the 'user_db' database. The table has columns: id, name, email, password, user_type, and updatestatus. Three rows are listed: 31 Dr.Bandla Pavan Babu, 32 test, and 33 sarthak. Each row has edit, copy, delete, and export options. Below the table, there are buttons for print, copy to clipboard, export, display chart, and create view.

```
CREATE TABLE `user_form` (
  `id` int(255) NOT NULL,
  `name` varchar(255) NOT NULL,
  `email` varchar(255) NOT NULL,
  `password` varchar(255) NOT NULL,
  `user_type` varchar(255) NOT NULL DEFAULT 'user',
  `updatestatus` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

Step 3 : Go to Localhost and Follow the steps



KMS
KNOW MY STATUS

Welcome test

Current Status

Available Not Available

Update Status

Next Free Slot: Custom Custom Time: 02.00 - 04.20

Available in Cabin Temporary Busy Lunch Time Custom Status

Available - Temporary Busy, Next Free Slot: , 02:00 - 04.20

Update Status



KMS
KNOW MY STATUS

Welcome test

Current Status

Available Not Available

Update Status

Next Free Slot: Custom Custom Time: 02.00 - 04.20

Available in Cabin Temporary Busy Lunch Time Custom Status

Available - Temporary Busy, Next Free Slot: , 02:00 - 04.20

Update Status



Google Lens

Find image source

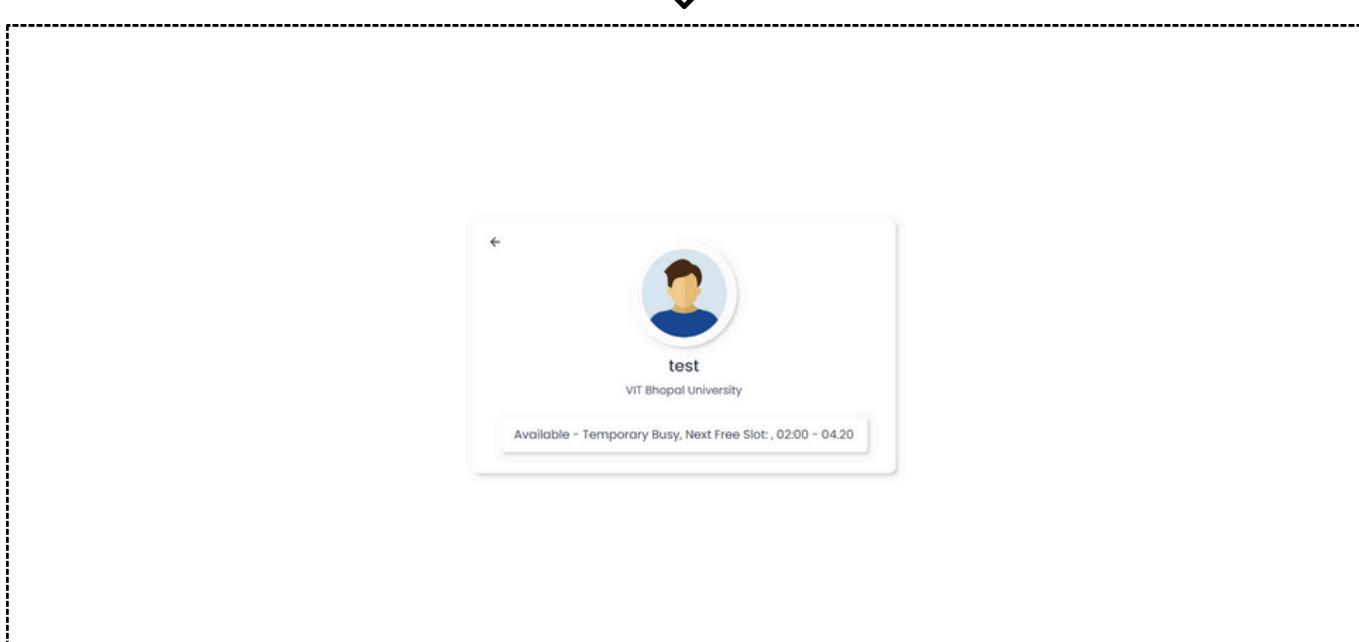


Search Text Translate

http://localhost/TESTKMS1/get_status.php
URL from QR code

Website Copy URL

Did you find these results useful? Yes No



Reference

1.<https://github.com/t0k4rt/phpqrcode>

