

D I P L O M A P R O G R A M M E

MINI PROJECT

A c a d e m i c P e r i o d : J a n 2 0 2 4

Code	SPG 0473			Course	WEB PROGRAMMING			
Title	PBL Assignment 2			Examine	NORULMUBARAKAH IBRAHIM			
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No	Assessment Criteria	CLO	PO	Level of diff	Full	Scor	Marks	Comment
1	Login Form with verification	2	4	P3	10			
2	All pages navigated	2	4	P3	10			
3	All buttons functioned well	2	4	P3	40			
4	Database created in PhpMyadmin	2	4	P3	10			
5	Presentation	3	8	A3	10			
6	Format Report	3	8	A3	10			
7	Plagiarism	3	8	A3	10			
Total					100			
Total Marks								
				PO 4				
				PO 8				
Signature								

PROBLEM STATEMENTS 2:

1. These tasks are continuing from previous project that completed in PBL Assignment
 2. Produce a report and a fully functional system with an interface that must include the following criteria:
 - 2.1 Login page and user validation.
 - 2.2 HTML form and PHP page that received and saved data into database from HTML form.
 - 2.3 Your system should allow user to key in inputs, select inputs such as using text field, drop down menu, radio button, check box or any other input type.
 - 2.4 The system compulsory to perform calculation process.
 - 2.5 Add in any suitable features to make the system more flexible and interactive.
 - 2.6 Insert data into each table created with a minimum of 4 rows of data.
 - 2.7 Save all information into database.
 - 2.8 Create SQL command(query) to run the following button:
 - i) Submit value
 - ii) View data
 - ii) Search data
 - iii) Update data
 - iv) Delete data
- Screenshot before and after run SQL command (refer task no 2.8)

Report (Content)

1. Introduction
2. Problem Statement
3. Objective
4. Screenshot all interfaces **(Refer criteria no 2.1, 2.2 and 2.8)**
5. ERD **(from PhpMyAdmin)**
6. SQL commands and outputs **(Refer criteria no 8; Screenshot before and after clicking the button)**
7. Conclusion
8. References

FORMAT OF REPORT

- Font type : Times New Roman/ Arial
- Font Size : 12
- Line Spacing : 1.5/ 2.0
- Alignment : Justify
- Presentation & Demonstration
 - Each student must participate in presentation session
 - Submit to VLU (Report and all notepad++ files)
- Submission Date :

1. Introduction

This mini-project requires us to make a fully functional program that can provide the criteria needed to meet the project requirements such as login page and user validation, connecting with the database, allowing users to key in inputs, select inputs, and many more. The system also needs to perform calculation processes, etc.

After a lot of effort to brainstorm ideas to create the project, we have achieved a mutual understanding to create a Gaming Bank website. This website's main function is to provide users with the platform to download games that they prefer. This Website meets all the requirements that are stated above. There are 8 pages available in this system. The first page is the Login Page, Registration Page, Home Page, Game Deals Page, Cart Page, Admin View Page, Display Registered User Page, and Numbers of Games page.

2. Table of Content

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3. Problem Statement

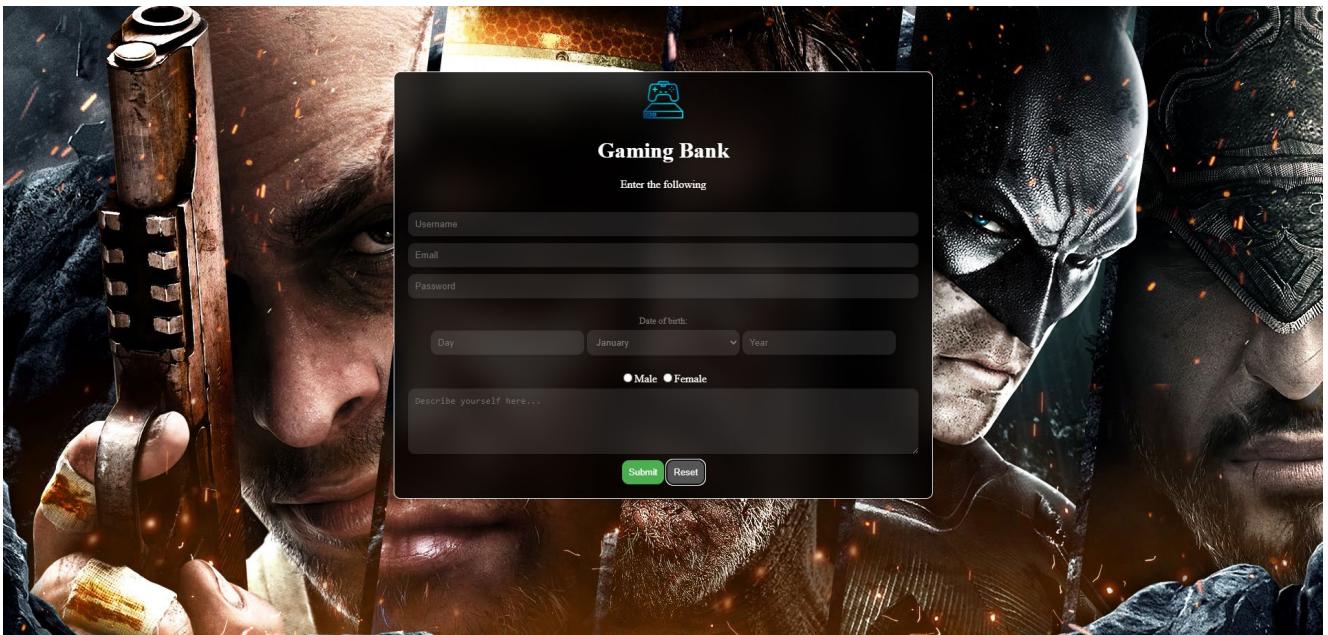
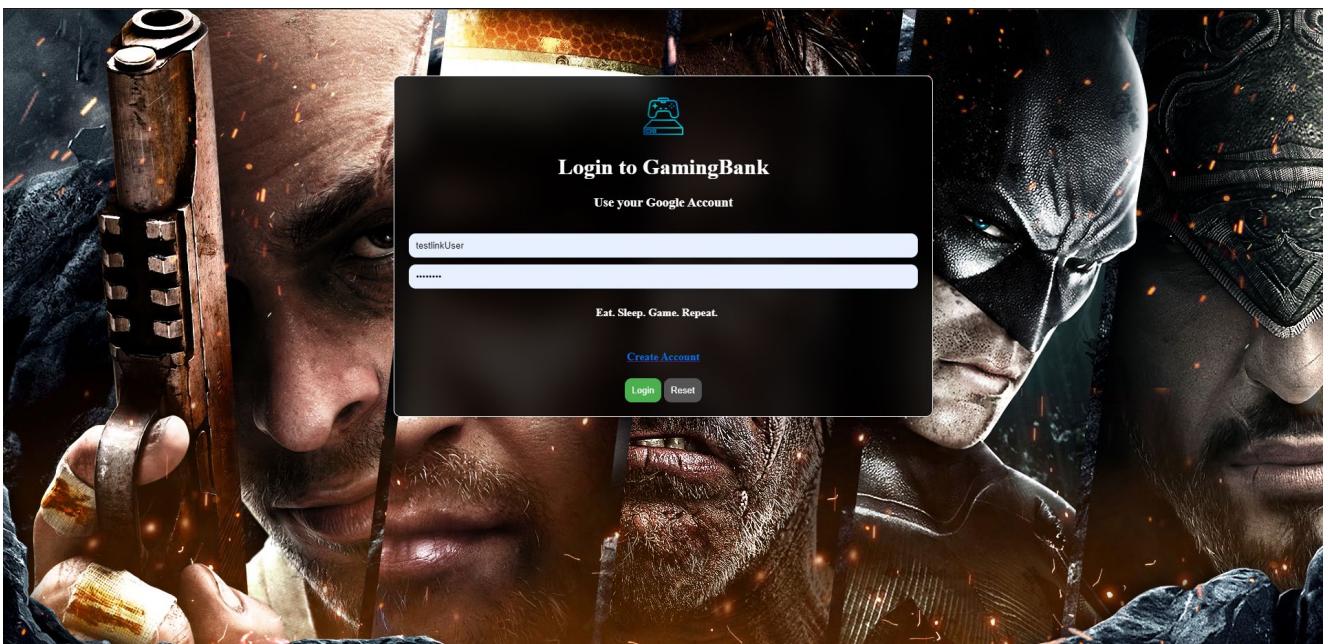
The problems that need to be solve in this project are as follows:

- A Gaming website that does not prioritize gaming deals such as discounts and limited version of a game in the user interface
- The problem a gaming website not having the necessary features including search, delete, submit and update to make it function properly
- The problem of a gaming website not having a database to store user data

4. Objective

- To create a gaming website that prioritize game deals and discounts in the user interface
- To add search, edit, update delete and submit functionality to the website
- To integrate a database into the website function and store data

5. Screenshot all interfaces





Gaming Bank

Your Ultimate Destination for Gaming

Home Deals Cart Profile

In Memory of Akira Toriyama

Dragon ball Z: KAKAROT



Relive the story of Goku and other Z Fighters in DRAGON BALL Z: KAKAROT! Beyond the epic battles, experience life in the DRAGON BALL Z world as you fight, fish, eat, and train with Goku, Gohan, Vegeta and others.

Special Game Price: \$80

Dragon Ball FighterZ: Gold



DRAGON BALL FighterZ is born from what makes the DRAGON BALL series so loved and famous: endless spectacular fights with its all-powerful fighters.

Special Game Price: \$80

Dragon Ball Xenoverse 2



DRAGON BALL XENOVERSE 2 builds upon the highly popular DRAGON BALL XENOVERSE with enhanced graphics that will further immerse players into the largest and most detailed Dragon Ball world ever developed.

Special Game Price: \$80

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Gaming Bank

Your Ultimate Destination for Gaming

Home Deals Cart Profile

New Game Deals

Assassin's Creed Valhalla



Embark on a Viking journey with Eivor in the latest Assassin's Creed installment.

Price: \$60

Sekiro: Shadows Die Twice



Carve your own clever path to vengeance in the critically acclaimed adventure from developer FromSoftware, creators of the Dark Souls series.

Price: \$50

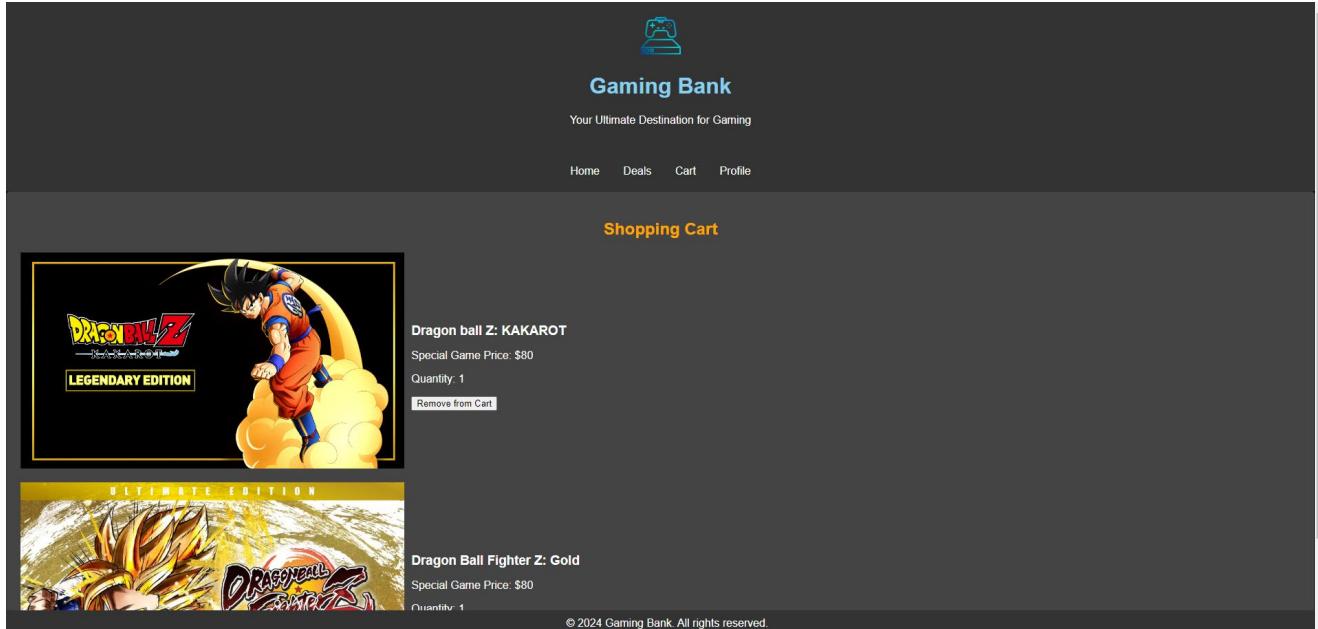
The Legend of Zelda: Breath of the Wild



Join Link on an epic adventure in the vast and beautiful world of Hyrule.

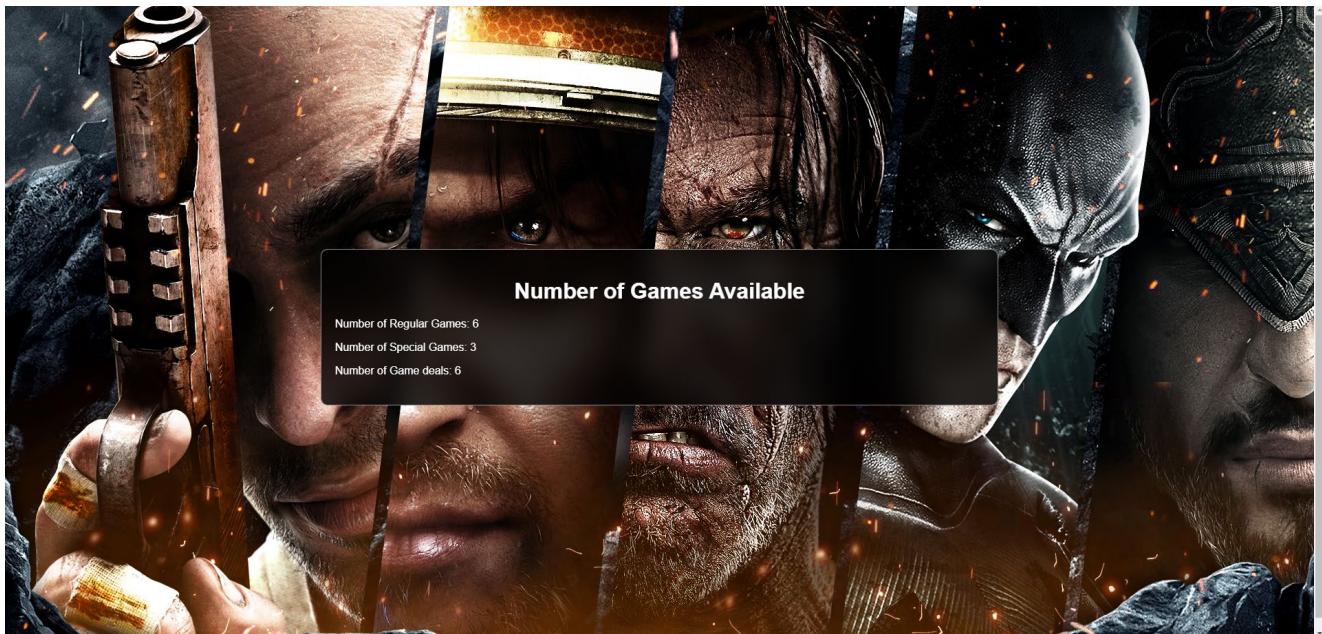
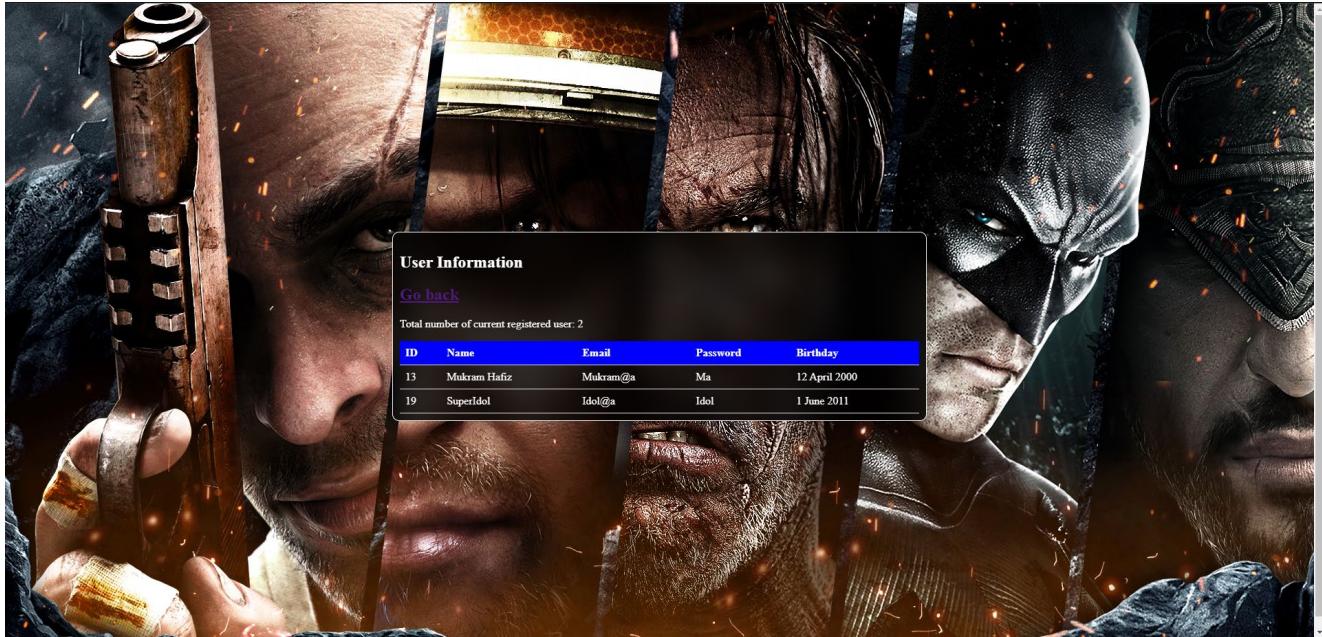
Price: \$55

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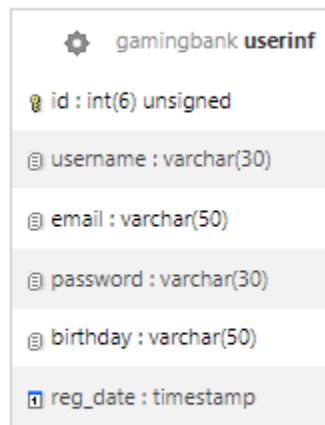


The screenshot shows the 'ADMIN VIEW' section of the website. At the top, there's a link to 'Go to main page' and the 'Gaming Bank' logo. The interface is divided into several sections:

- Search:** A form with a search input field labeled 'Search Username' containing 'GOI', and dropdown menus for 'Username', 'Email', and 'Day'.
- Delete:** A form with a search input field labeled 'Enter ID' containing 'GOI'.
- Update:** A form with fields for 'ID to change', 'New username', 'New email', 'New Password', and a 'update' button.
- View All Customers:** A button labeled 'View Now'.
- Count number of games:** A button labeled 'View Now'.



6. ERD



7. SQL commands and outputs

- Submit value

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "GamingBank";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

// Insert data from register page
if(isset($_POST['Uname']) && isset($_POST['email']) && isset($_POST['passID']) && isset($_POST['Day']) && isset($_POST['Month']) && isset($_POST['Year'])) {
    $username = $_POST['Uname'];
    $email = $_POST['email'];
    $password = $_POST['passID'];
    $day = $_POST['Day'];
    $month = $_POST['Month'];
    $year = $_POST['Year'];

    $birthday = "$day $month $year";

    $sql = "INSERT INTO USERinf (username, email, password,birthday)
VALUES ('$username', '$email', '$password','$birthday')";

    if ($conn->query($sql) === TRUE) {
        header("Location: ../PBLLogin1.html");
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}

$conn->close();
?>
```

```

    <?php
    session_start(); // start session to persist user login status

    if ($_SERVER['REQUEST_METHOD'] == "POST") {
        $servername = "localhost";
        $username = "root";
        $password = "";
        $dbname = "GamingBank";

        // Create connection
        $conn = new mysqli($servername, $username, $password, $dbname);
        // Check connection
        if ($conn->connect_error) {
            die("Connection failed: " . $conn->connect_error);
        }

        // Retrieve user input from login form
        $email = $_POST['email'];
        $password = $_POST['passID'];

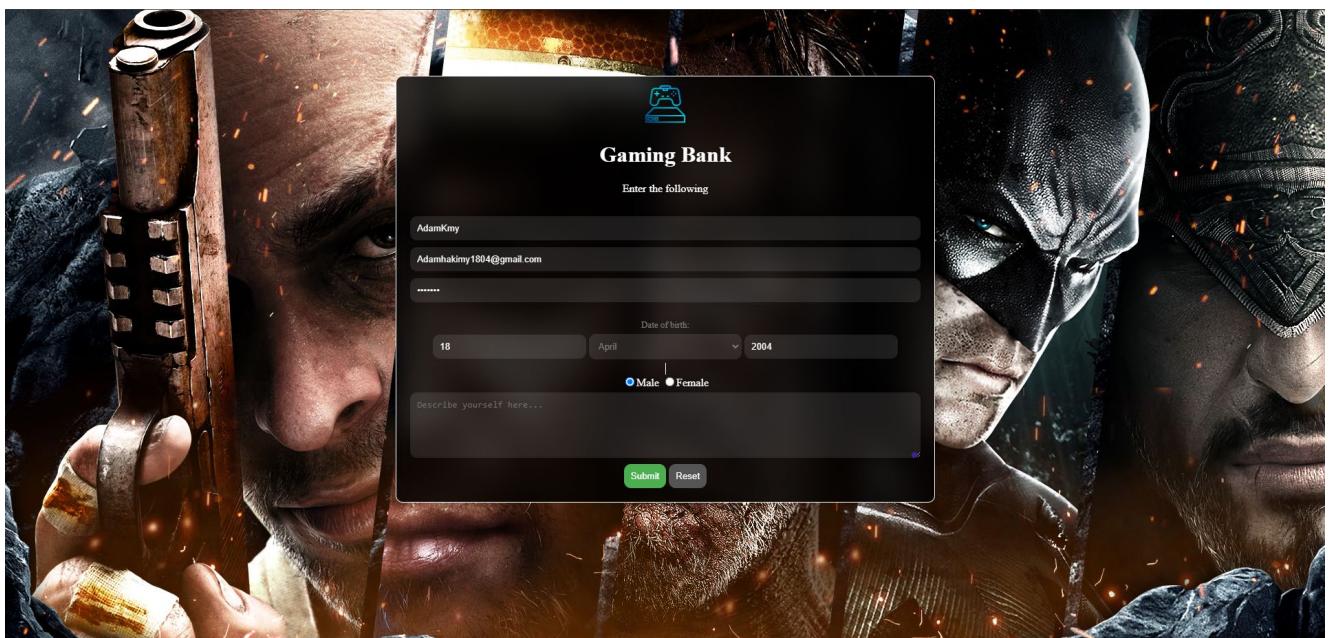
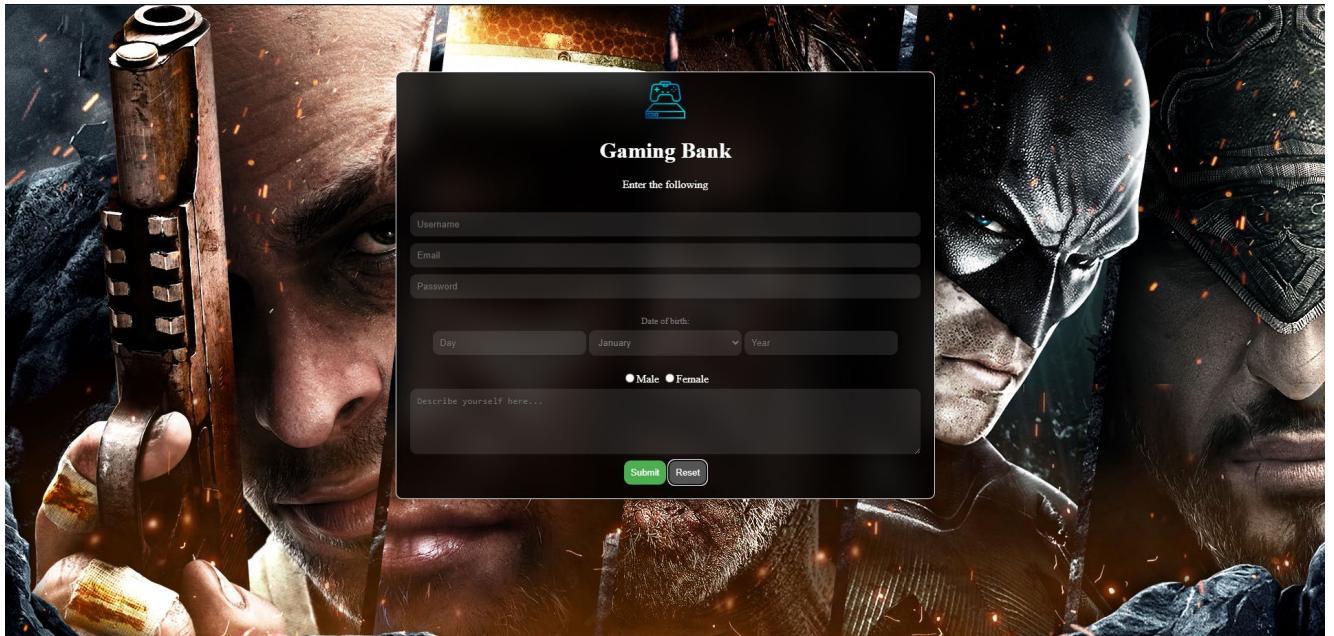
        // Prepare SQL statement to check if the user exists
        $sql = "SELECT * FROM USERinf WHERE email='$email' AND password='$password'";
        $result = $conn->query($sql);

        if ($result->num_rows == 1) {
            // User exists, set session variables and redirect to GamingBank2.html
            $_SESSION['email'] = $email;
            header("Location: ../GamingBank2.html");
            exit();
        } else {
            // Invalid credentials, display error message
            echo '
            <!DOCTYPE html>
            <html>
                <head>
                    <title>Login</title>
                    <link rel="stylesheet" href="../css/PBLLlogin1.css">
                </head>
                <body>
                    <center>
                        <div class="container">
                            <br> 
                            <h1>Login to GamingBank</h1>
                            <h3>Use your Google Account</h3>
                            <form id="loginForm" action="../php/LoginGamingBank.php" method="post">
                                <input type="email" name="email" size="60" placeholder="Email">
                                <input type="password" name="passID" size="60" placeholder="Password">
                                <marquee direction="right" behaviour="alternate">
                                    <h4>Stat. Sleep. Game. Repeat.</h4>
                                </marquee>
                                <a href="../RegisterGame.html">
                                    <font color="#6272FF">Create Account</font>
                                </a>
                            </h4>
                            <input type="submit" value="Login" > <input type="reset" value="Reset" >
                        </form>
                        <div style="background-color: rgba(255, 0, 0, 0.5); color: white; padding: 10px; margin-top: 20px; text-align: center; border-radius: 10px;">
                            Email or password is incorrect
                        <br>
                        
                    </div>
                </center>
            </body>
        </html>
    ';

        header("refresh:3;url=../PBLLlogin1.html");
        exit();
    }

    $conn->close();
}
?>

```



✓ Showing rows 0 - 2 (3 total, Query took 0.0002 seconds)

```
SELECT * FROM `userinf`
```

[Profiling](#) [Edit inline](#) [Edit](#) [Explain SQL](#) [Create PHP code](#) [Refresh](#)

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

[Extra options](#)

	Edit	Copy	Delete	id	username	email	password	birthday	reg_date
<input type="checkbox"/>	Edit	Copy	Delete	13	Mukram Hafiz	Mukram@a	Ma	12 April 2000	2024-05-09 15:41:17
<input type="checkbox"/>	Edit	Copy	Delete	19	SuperIdol	Idol@a	Idol	1 June 2011	2024-05-09 15:58:55
<input type="checkbox"/>	Edit	Copy	Delete	21	AdamKmy	Adamhakimy1804@gmail.com	AdamWol	18 April 2004	2024-05-09 16:44:13

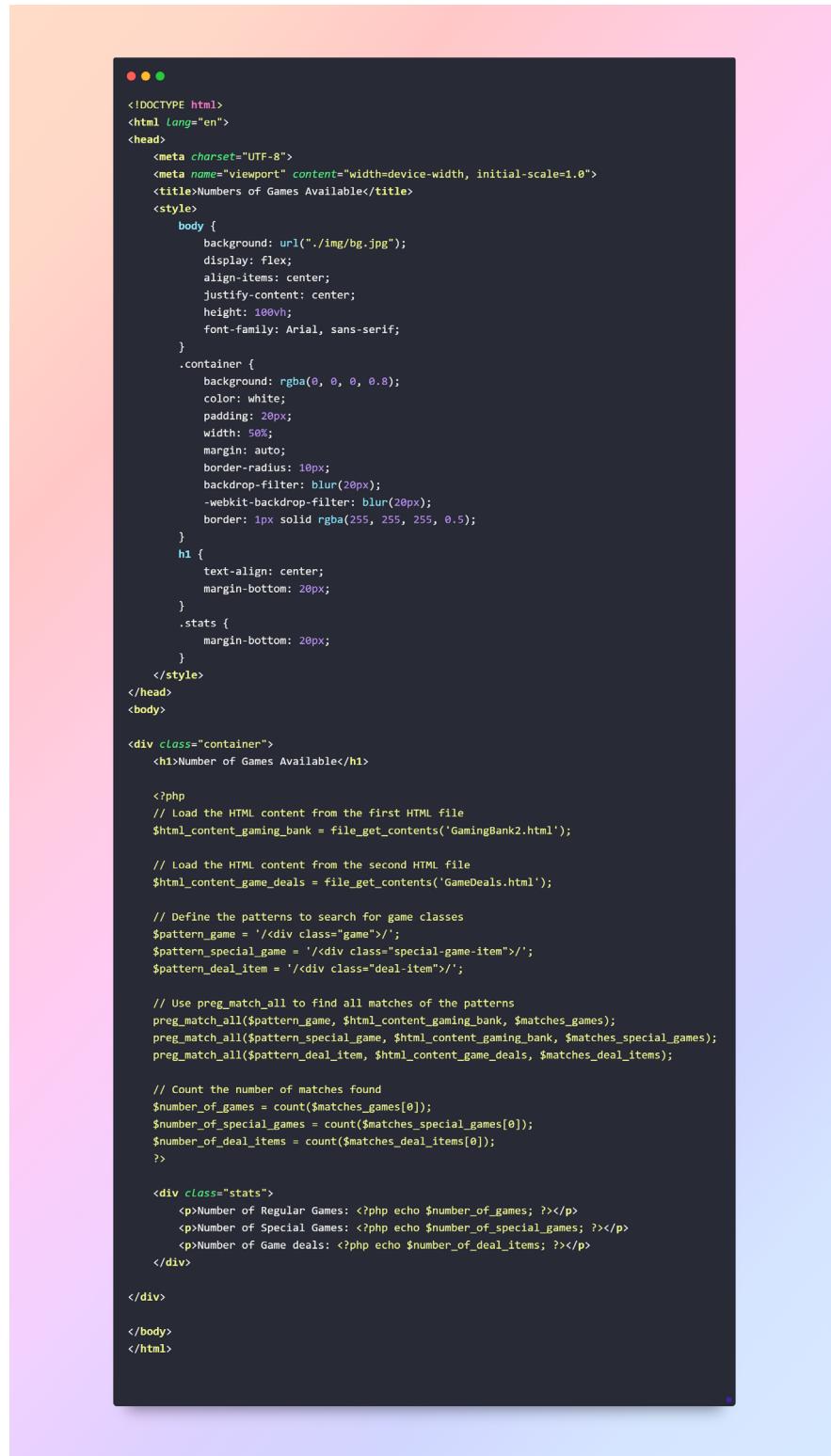
[With selected:](#) [Edit](#) [Copy](#) [Delete](#) [Export](#)

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

- View data



```
● ● ●
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Numbers of Games Available</title>
    <style>
        body {
            background: url("./img/bg.jpg");
            display: flex;
            align-items: center;
            justify-content: center;
            height: 100vh;
            font-family: Arial, sans-serif;
        }
        .container {
            background: rgba(0, 0, 0, 0.8);
            color: white;
            padding: 20px;
            width: 50%;
            margin: auto;
            border-radius: 10px;
            backdrop-filter: blur(20px);
            -webkit-backdrop-filter: blur(20px);
            border: 1px solid rgba(255, 255, 255, 0.5);
        }
        h1 {
            text-align: center;
            margin-bottom: 20px;
        }
        .stats {
            margin-bottom: 20px;
        }
    </style>
</head>
<body>

<div class="container">
<h1>Number of Games Available</h1>

<?php
// Load the HTML content from the first HTML file
$html_content_gaming_bank = file_get_contents('GamingBank2.html');

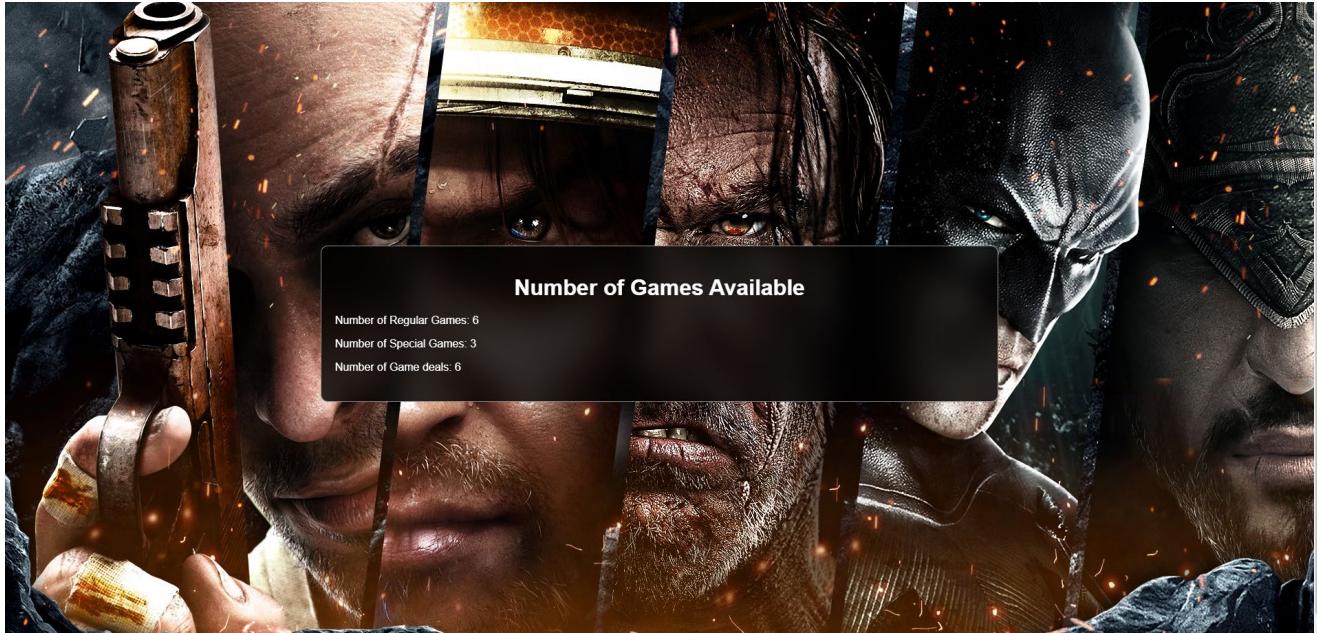
// Load the HTML content from the second HTML file
$html_content_game_deals = file_get_contents('GameDeals.html');

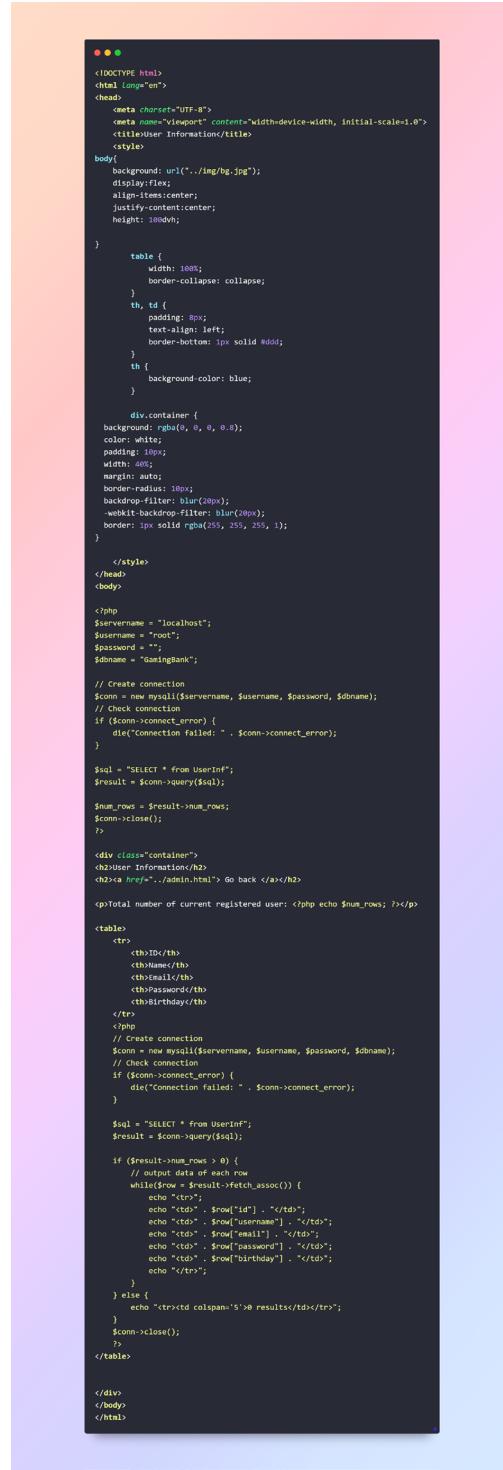
// Define the patterns to search for game classes
$pattern_game = '/div class="game"/';
$pattern_special_game = '/div class="special-game-item"/';
$pattern_deal_item = '/div class="deal-item"/';

// Use preg_match_all to find all matches of the patterns
preg_match_all($pattern_game, $html_content_gaming_bank, $matches_games);
preg_match_all($pattern_special_game, $html_content_gaming_bank, $matches_special_games);
preg_match_all($pattern_deal_item, $html_content_game_deals, $matches_deal_items);

// Count the number of matches found
$number_of_games = count($matches_games[0]);
$number_of_special_games = count($matches_special_games[0]);
$number_of_deal_items = count($matches_deal_items[0]);
?>

<div class="stats">
    <p>Number of Regular Games: <?php echo $number_of_games; ?></p>
    <p>Number of Special Games: <?php echo $number_of_special_games; ?></p>
    <p>Number of Game deals: <?php echo $number_of_deal_items; ?></p>
</div>
</div>
</body>
</html>
```





The screenshot shows a terminal window with a light blue background. It displays a block of PHP code. The code includes HTML and CSS for a user information page, and MySQL queries for selecting data from a 'UserInf' table. The code is well-formatted with proper indentation and syntax highlighting.

```
<!DOCTYPE html>
<html Lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>User Information</title>
    <style>
body{
    background: url("../img/bg.jpg");
    display:flex;
    align-items:center;
    justify-content:center;
    height: 100vh;
}

table {
    width: 100%;
    border-collapse: collapse;
}
td, th {
    padding: 8px;
    text-align: left;
    border-bottom: 1px solid #ddd;
}
th {
    background-color: blue;
}

div.container {
    background: rgba(0, 0, 0, 0.8);
    color: white;
    padding: 10px;
    width: 400px;
    margin: auto;
    border-radius: 10px;
    backdrop-filter: blur(20px);
    -webkit-backdrop-filter: blur(20px);
    border: 1px solid rgba(255, 255, 255, 1);
}

</style>
</head>
<body>

</php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "GamingBank";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "SELECT * from UserInf";
$result = $conn->query($sql);

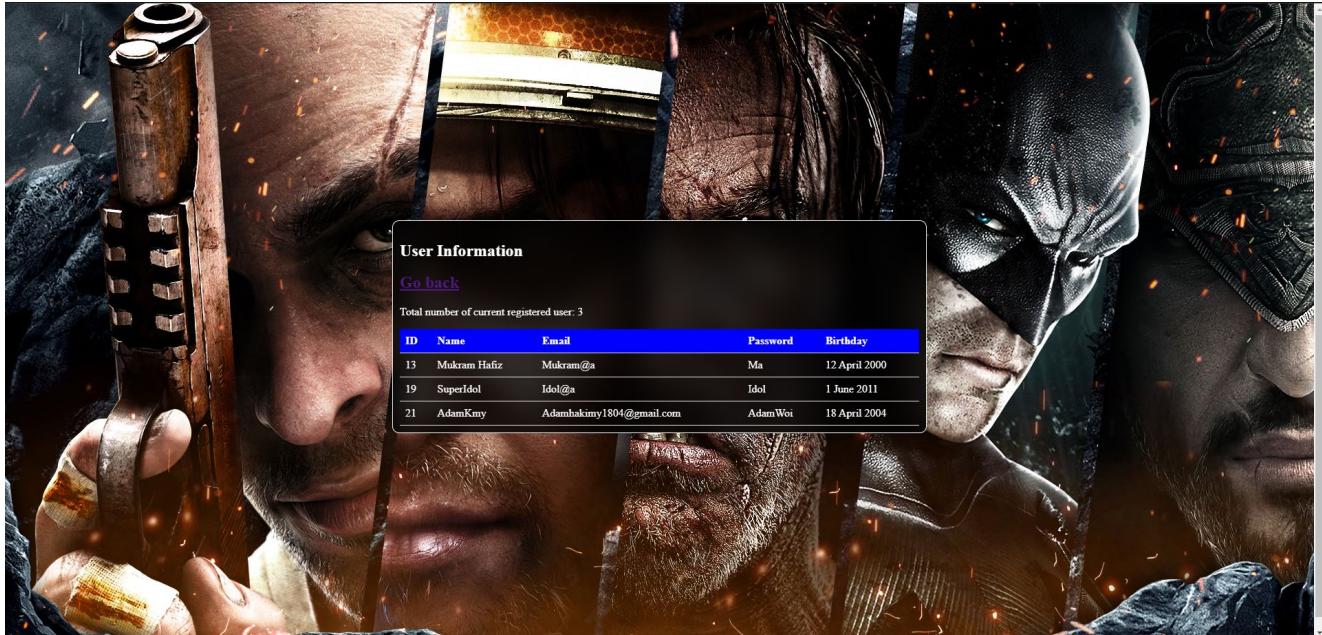
$num_rows = $result->num_rows;
$conn->close();
?>

<div class="container">
<h2>User Information</h2>
<a href="../index.html">Go back </a></h2>
<p>Total number of current registered user: <?php echo $num_rows; ?></p>
<table>
<tr>
<th>Id</th>
<th>Name</th>
<th>Email</th>
<th>Password</th>
<th>Birthday</th>
</tr>
</p>
// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "SELECT * from UserInf";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    // output data of each row
    while($row = $result->fetch_assoc()) {
        echo "<tr>";
        echo "<td>" . $row["id"] . "</td>";
        echo "<td>" . $row["username"] . "</td>";
        echo "<td>" . $row["email"] . "</td>";
        echo "<td>" . $row["password"] . "</td>";
        echo "<td>" . $row["birthday"] . "</td>";
        echo "</tr>";
    }
} else {
    echo "<tr><td colspan='5'>No results</td></tr>";
}
$conn->close();
?>
</table>

</div>
</body>
</html>
```



- Search data

```

<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "GamingBank";
$search = $_POST["username"];

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "SELECT id, username, email, birthday FROM UserInf WHERE username= '$search' ";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    // Fetching data from the database
    while ($row = $result->fetch_assoc()) {
        $id = $row['id'];
        $username = $row['username'];
        $email = $row['email'];
        $birthday = $row['birthday'];
    }
} else {
    echo "0 results";
}
$conn->close();
}

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="../css/admin.css">
</head>
<body>

<nav>
<div class="header">
<h1>ADMIN VIEW</h1>

<div>

<h3>Gaming Bank</h3>
</div>
</div>
</nav>

<div class="main">

<div class="container">
<form action="adminsearch.php" method="post">
<h3>Search</h3>
<div class="align">
<input type="text" placeholder="Search" name="username">
<button type="submit" value="Go!"/>
</div>

</form>
<div class="align">
<input type="text" name="id" value=<?php echo $id; ?> placeholder="Username">
<input type="text" name="uname" value=<?php echo $username; ?> placeholder="Username">
<input type="email" name="email" value=<?php echo $email; ?> placeholder="Email">
<input type="text" name="Day" value=<?php echo $birthday; ?> class="mini" placeholder="Day">
</div>

</div>

<form action="admindelete.php" method="post" class="container">
<h3>Delete</h3>
<div class="align">
<input type="text" placeholder="Enter ID" name="id">
<button type="submit" value="Go!"/>
</div>

<div class="align">
<input type="text" placeholder="" name="username">
</div>
</form>

<form action="adminupdate.php" method="post" class="container">
<h3>Update</h3>
<div class="align">

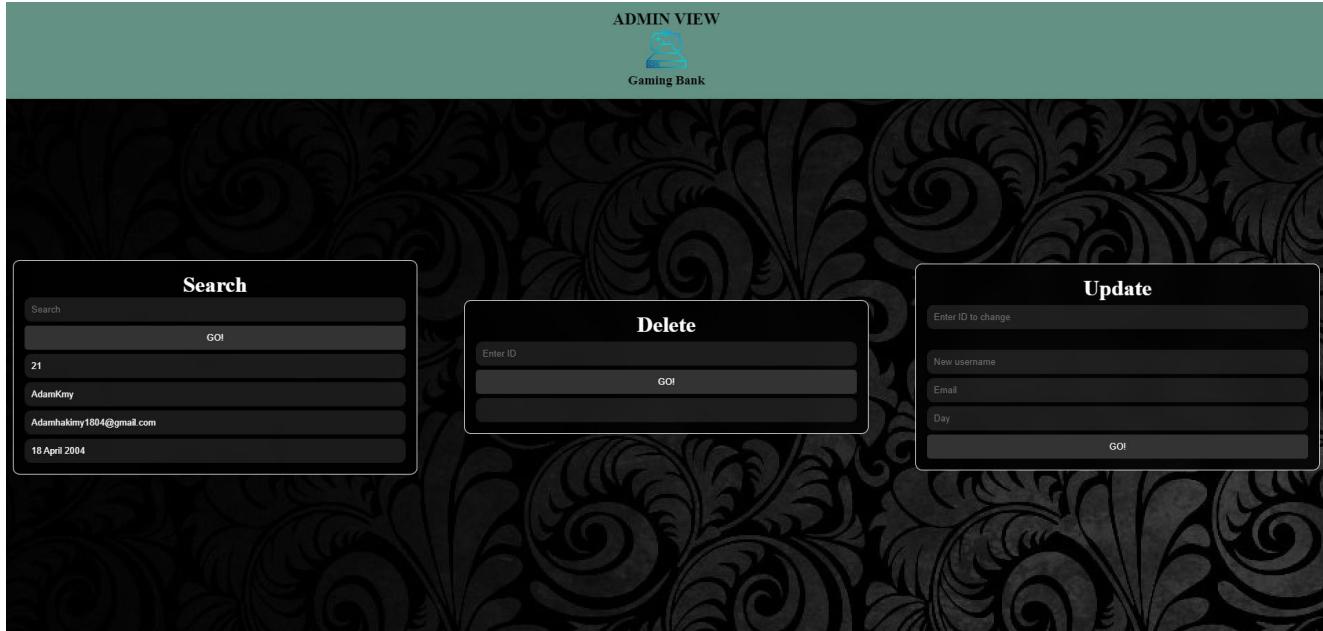
<input type="text" placeholder="Enter ID to change" name="id">
<br>

<input type="text" placeholder="New username" name="username">
<input type="email" name="New email" placeholder="Email">
<input type="text" name="New birthday" class="mini" placeholder="Day">
<button type="submit" value="Go!"/>
</div>

</form>

</div>
</body>
</html>

```



- Update data

```
<?php  
// Check if the form is submitted  
  
if ($_SERVER["REQUEST_METHOD"] == "POST") {  
    // Retrieve form data  
    $idToChange = $_POST["id"];  
    $newUsername = $_POST["username"];  
    $newEmail = $_POST["email"];  
    $newPassword = $_POST["password"];  
  
    // Validate and sanitize input data (You may add more validation as needed)  
    // For simplicity, I'm just trimming whitespace here  
    $idToChange = trim($idToChange);  
    $newUsername = trim($newUsername);  
    $newEmail = trim($newEmail);  
    $newPassword = trim($newPassword);  
  
    $servername = "localhost";  
    $username = "root";  
    $password = "";  
    $dbname = "GamingBank";  
  
    /// Create connection  
    $conn = new mysqli($servername, $username, $password, $dbname);  
  
    // Check connection  
    if ($conn->connect_error) {  
        die("Connection failed: " . $conn->connect_error);  
    }  
  
    // Prepare SQL statement  
    $sql = "UPDATE UserInf SET username='$newUsername', email='$newEmail', password='$newPassword' WHERE id='$idToChange';"  
  
    // Execute SQL statement  
    if ($conn->query($sql) === TRUE) {  
        header("refresh:3;url../admin.html"  
    );  
        exit();  
    } else {  
        echo "Error updating record: " . $conn->error;  
    }  
  
    // Close connection  
    $conn->close();  
} else {  
    // If the form is not submitted, redirect back to the form page or handle it accordingly  
    header("Location: admin.php");  
    exit; // Ensure no further execution  
}  
  
?>
```

ADMIN VIEW
[Go to main page](#)


Gaming Bank

Search

AdamKmy
GO!
Username
Email
Day

Delete

Enter ID
GO!

Update

21
AdamHakimy
Adamhakimy1804@gmail.com
Adam
update

View All Customers
[View Now](#)

Count number of games
[View Now](#)

✓ Showing rows 0 - 2 (3 total, Query took 0.0002 seconds.)

```
SELECT * FROM `userinf`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

	← T →		id	username	email	password	birthday	reg_date
<input type="checkbox"/>	Edit	Copy	Delete	13	Mukram Hafiz	Mukram@a	Ma	12 April 2000 2024-05-09 15:41:17
<input type="checkbox"/>	Edit	Copy	Delete	19	SuperIdol	Idol@a	Idol	1 June 2011 2024-05-09 15:58:55
<input type="checkbox"/>	Edit	Copy	Delete	21	AdamHakimy	Adamhakimy1804@gmail.com	Adam	18 April 2004 2024-05-09 16:59:43

↑ Check all With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Show all | Number of rows: 25

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

- Delete data

```

<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "GamingBank";
$delete = $_POST["id"];

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "DELETE FROM UserInf WHERE id= '$delete' ";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    // Fetching data from the database
    while ($row = $result->fetch_assoc()) {
        $id = $row['id'];
        $username = $row['username'];
        $email = $row['email'];
        $birthday = $row['birthday'];
    }
} else {
    echo "0 results";
}
$conn->close();
?>

<!DOCTYPE HTML>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="..css/admin.css">
</head>
<body>

<nav>
    <div class="header">
        <h1>ADMIN VIEK</h1>
    </div>
    <div>
        
        <h3> Gaming Bank</h3>
    </div>
</nav>

<div class="main">

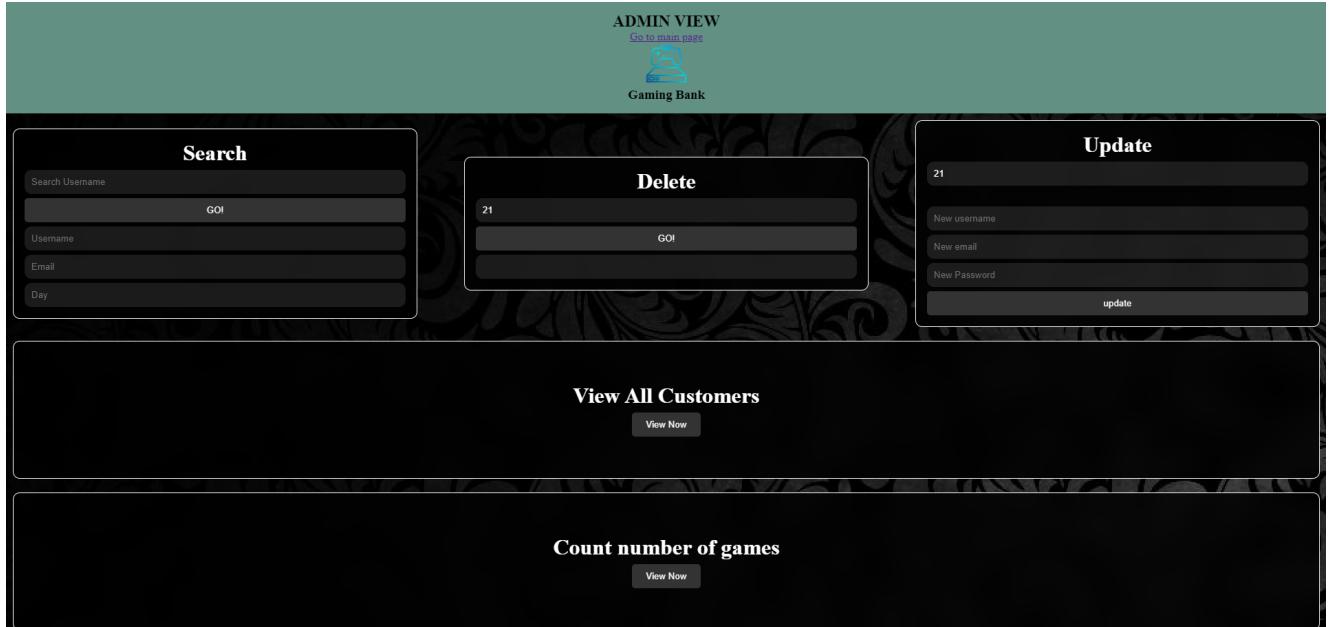
<div class="container">
    <form action="adminsearch.php" method="post">
        <div>
            <div class="align">
                <input type="text" placeholder="Search" name="username">
                <button>Go!</button>
            </div>
        </div>
        <div>
            <div class="align">
                <input type="text" name="id" placeholder="Username">
                <input type="text" name="Name" placeholder="Username">
                <input type="email" name="email" placeholder="Email">
                <input type="text" name="Day" class="mini" placeholder="Day">
            </div>
        </div>
    </form>
</div>

<form action="admindelete.php" method="post" class="container">
    <div>
        <div class="align">
            <input type="text" placeholder="Enter ID" name="id">
            <button>Go!</button>
        </div>
    </div>
</form>

<form action="adminupdate.php" method="post" class="container">
    <div>
        <div class="align">
            <input type="text" placeholder="Enter ID to change" name="id">
            <br>
            <input type="text" placeholder="New username" name="username">
            <input type="email" name="New email" placeholder="Email">
            <input type="text" name="New birthdate" class="mini" placeholder="Day">
            <button>Go!</button>
        </div>
    </div>
</form>

</div>
</body>
</html>

```



This screenshot shows a MySQL query results page. The query is "SELECT * FROM `userinf`". The results table has columns: id, username, email, password, birthday, and reg_date. Two rows are listed:

	id	username	email	password	birthday	reg_date
<input type="checkbox"/>	13	Mukram Hafiz	Mukram@a Ma		12 April 2000	2024-05-09 15:41:17
<input type="checkbox"/>	19	SuperIdol	Idol@a	Idol	1 June 2011	2024-05-09 15:58:55

Below the table are navigation links: "With selected:", "Edit", "Copy", "Delete", "Export". At the bottom, there are buttons for "Print", "Copy to clipboard", "Export", "Display chart", and "Create view".

8. Conclusions

Based on this project, we can acknowledge the importance of the submit, search, update, view, and delete buttons in making sure a website can deliver its full functionality. This basic function can be found on almost all websites on the internet.

In Conclusion, we have managed to create a Game Store website that meets all the requirement given in the question. We have learned how to create and manage all the functions needed and alter it according to our type of website. We have also learned how to code simultaneously between three languages which are html, php, and SQL. We hope that our experience in web programming will increase and make us competent in the future job market.

9. References

[1] “PHP Online Compiler (Editor / Interpreter),” *w3schools.com*.

https://www.w3schools.com/php/php_compiler.asp

[2] W3Schools, “HTML Tutorial,” *W3schools.com*, 2018. <https://www.w3schools.com/html/>