PROJECT 4: PHP AND MYSQL WEB APPLICATION

Integrated Systems Design 1: Databases

Project 4 Mission Description

Steam Powered by William St Holl and Fernando Fernandez

■ In this assignment, we were tasked with designing and coding a community forum and database that could be applied to the Steam client. The ideology was to create a system that would be added to the client, and would record the different types of forums that are being created. The first step would be for to enter the forum database, then they would input their forum details. They would conclude by confirming their forum and a new forum would be compiled for others to comment in. This would help other users to find and discuss on other topic around the steam client, whether its to ask questions or to learn things about games; they could find any discussion essentially.

Source Code for index, read, forum

Inside of my brackets file, I had three different files: my index.php, signup.php and write.php. I entered different styling and created the links towards my cpanel server. This was the area where I was able to get my website to place data from the input forum section into my spl data base to be viewed upon at anytime. The code overall wasn't to hard to understand, and it was fun creating my own template and seeing it work properly. The process of setting everything up was challenging, but oce that was complete everything was easier to complete

```html
<!DOCTYPE html>
<html>
<head>
<title>Steam</title>
<style type="text/css">

    body{
        margin: 0;
        padding: 0;
        font-family: 'Helvetica';
        background: url(Images/Steam-Background.png) no-repeat;
        background-size: cover;
    }

    table{
        top: 75%;
        left: 66%;
        border-collapse: collapse;
        width: 100%;
        color: #202020;
        font-family: "Helvetica";
        font-size: 12px;
        text-align: left;
    }

    th{
        color: #D8D8D8;
    }

    tr:nth-child(even){
        background-color: #f2f2f2;
        opacity: inherit;
    }

    .table-box{
        width: 600px;
        position: absolute;
        top: 55%;
        left: 50%;
        transform: translate(-50%, -50%);
    }

    .button-box{
        width: 100px;
        position: absolute;
        top: 55%;
        left: 50%;
        transform: translate(-50%, 200%);
    }

    #button {
        width: 80px;
        height: 50px;
        background: #202020;
        color: white;
        border: none;
        border-radius: 15px;
        padding: 5px;
        font-size: 14px;
        font-family: 'Arial';
    }

    #button:hover{
        background-color: #3F3F3F;
        opacity: inherit;
        color: #D8D8D8;
    }

</style>
</head>
<body>
<div class="table-box">
    <table>
        <tr>
            <th>CommunityID</th>
            <th>ForumTittle</th>
            <th>PostedBy</th>
            <th>DatePosted</th>
            <th>TimePosted</th>
            <th>CommentTotal</th>
        </tr>
    </div>

<div class="button-box">
    <form action="http://ixd818.firebird.sheridanc.on.ca/Williams Code/signup.php">
        <button id="button" type="submit">Create Thread</button>
    </form>
</div>
<?php

    //define variables
    $servername = "firebird.sheridanc.on.ca";
    $username = "ixd818";
    $password = "Sunbirds0";
    $dbname = "ixd818_SteamPowered";

    //create connection
    $conn = new mysqli($servername, $username, $password, $dbname);

    //check connection
    if ($conn -> connect_error) {
        die("Connection failed:" .$conn -> connect_error);
    }

    $sql = "SELECT CommunityID, ForumTittle, PostedBy, DatePosted, TimePosted, CommentTotal FROM Community";

    $result = $conn-> query($sql);

    if($result-> num_rows > 0){
        while($row = $result-> fetch_assoc()){
            echo "<tr><td>". $row["CommunityID"]. "</td><td>". $row["ForumTittle"]."</td><td>".
$row["PostedBy"]."</td><td>". $row["DatePosted"]."</td><td>". $row["TimePosted"]."</td></tr>".
$row["CommentTotal"]. "</td><td>" ;
        }

        echo "</table>";

        else{
            echo "0 results";
        }

    $conn-> close();
?>

    </table>

</body>

</html>
```

```html
<!DOCTYPE html>
<html lang="">

<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Steam Forums</title>
    <style>

    body{
        margin: 0;
        padding: 0;
        font-family: 'Helvetica';
        background: url(Images/Steam-Background.png) no-repeat;
        background-size: cover;
    }

    .login-box{
        width: 550px;
        position: absolute;
        top: 55%;
        left: 52%;
        transform: translate(-50%, -50%);
    }

    .login-box h1{
        float: left;
        font-size: 35px;
        color: #D8D8D8;
        border-bottom: 6px solid #D8D8D8;
        margin-bottom: 40px;
        padding: 13px 0;
    }

    .textbox{
        width: 100%;
        font-size: 15px;
        padding: 8px 0;
        margin: 8px 0;
        color: #D8D8D8;
    }

    label,
    input,
    submit {
        font-family: 'Arial';
        font-size: 15px;
    }

    #button {
        width: 350px;
        height: 45px;
        background: #202020;
        color: white;
        border: none;
        border-radius: 15px;
        padding: 5px;
        font-size: 15px;
        font-family: 'Roboto';
    }

    #button:hover{
        background-color: #3F3F3F;
        opacity: inherit;
        color: #eaeaea;
    }

    </style>
</head>

<body>
<div class="login-box">

    <h1>Create a Steam Thread and discuss on any topic</h1>

    <form id="signup_form" action="write.php" method="post">
        <div class="textbox">
        <label> Community ID</label><br>
        <input type="text" name="CommunityID" required><br><br>
        <label>Forum Title </label><br>
        <input type="text" name="ForumTittle" required><br><br>
        <label>Posted By</label><br>
        <input type="text" name="PostedBy" required><br><br>
        <label>Date Posted</label><br>
        <input type="text" name="DatePosted" required><br><br>
        <label>Time Posted</label><br>
        <input type="text" name="TimePosted" required><br><br>
        <label>Comment Total</label><br>
        <input type="text" name="CommentTotal" required><br><br>
        <input id="button" type="submit" value="Create Forum Thread" />
        </div>
    </form>
    </div>
</body>

</html>
```

Source Code for index, read, forum

Inside of my brackets file, I had three different files: my index.php, signup.php and write.php. I entered different styling and created the links towards my cpanel server. This was the area where I was able to get my website to place data from the input forum section into my spl data base to be viewed upon at anytime. The code overall wasn't to hard to understand, and it was fun creating my own template and seeing it work properly. The process of setting everything up was challenging, but oce that was complete everything was easier to complete

```php
<style>

    p {
        font-family: 'Arial';
        font-size: 15px;
        color: #b7b7b7;
        top: 50%;
        left: 50%;
    }

    body{
        margin: 0;
        padding: 0;
        font-family: 'Helvetica';
        background: url(Images/Steam-Background.png) no-repeat;
        background-size: cover;
    }
</style>

<?php

//define variables
$servername = "firebird.sheridanc.on.ca";
$username = "ixd818";
$password = "Sunbirds0";
$dbname = "ixd818_SteamPowered";

//create connection
$conn = new mysqli($servername, $username, $password, $dbname);

//check connection
if ($conn -> connect_error) {
    die("connection failed:" .$conn -> connect_error);
}

$CommunityID_input  = $conn -> real_escape_string($_POST['CommunityID']);

$ForumTittle_input    = $conn -> real_escape_string($_POST['ForumTittle']);

$PostedBy_input       = $conn -> real_escape_string($_POST['PostedBy']);

$DatePosted_input = $conn -> real_escape_string($_POST['DatePosted']);

$TimePosted_input = $conn -> real_escape_string($_POST['TimePosted']);

$CommentTotal_input = $conn -> real_escape_string($_POST['CommentTotal']);


$query = "INSERT into Community (CommunityID, ForumTittle, PostedBy, DatePosted, TimePosted,
CommentTotal) VALUES ('" . $CommunityID_input . "' , '" . $ForumTittle_input . "' , '" .
$PostedBy_input . "' , '" . $DatePosted_input . "' , '" . $TimePosted_input . "' , '" .
$CommentTotal_input . "')";

$success = $conn -> query($query);

if (!$success) {
    die("Couldn't enter data: " .$conn -> error);
}

echo "<p>Thanks for posting on the Steam Forms!</p><br>";

//close connection
$conn -> close();

?>
```

Ui Interface Images

User Inputting information

Complete Message