

Data Entry Form

HTML accountForms.php

```
<div class="swap">
  <div id="popup_ID" class="popup">
    <div class="popup-content animate">
      <div id="login">
        <h3>Login</h3>
        <form method="POST" id="login_f" action="./handlers/login.inc.php">
          <div class="container">
            <label for="username">Username</label>
            <input type="text" name="username" required><br>
            <label for="pswd">Password</label>
            <input type="password" name="pswd" required><br>
            <button type="submit" name="login">Login</button>
          </div>
        </form>
        <a class="swap" id="toCreate" onclick="swap(this)">Create an Account</a>
      </div>
      <!-- RegEx for passwords -->
      <!-- (?=.*[A-Z])(?=.*\d).(8,) -->
      <div id="create">
        <h3>Create a New Account</h3>
        <form method="POST" id="create_f" action="./handlers/createAccount.inc.php">
          <div class="container">
            <label for="email_C">Email:</label>
            <input type="text" name="email_C" required><br>
            <label for="Username">Username:</label>
            <input type="text" name="username" required><br>
            <label for="pswd">Password:</label>
            <input type="password" pattern="(?=.*[A-Z])(?=.*\d).(8,)" name="pswd" title="Password must include a number, uppercase letter, and be at least 8 characters." required><br>
            <button type="submit" name="create">Create</button>
          </div>
        </form>
        <a class="swap" id="toLogin" onclick="swap(this)">Login to an Account</a>
      </div>
    </div>
  </div>
</div>
```

database.inc.php

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

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

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

misc.inc.php

```
<?php
function userExist($conn, $user)
{
    $sql = "SELECT * FROM users WHERE username = '$user'";
    $result = $conn->query($sql);
    $row = $result->fetch_assoc();
    if ($row !== false) {
        if ($row["username"] == $user) return true;
    } else return false;
}
```

```

<?php
if (isset($_POST["create"])) {
    $username = $_POST["username"];
    $email = $_POST["email_c"];
    $pass = $_POST["pswd"];

    $username = filter_var($username);
    $email = filter_var($email, FILTER_SANITIZE_EMAIL);
    $pass = password_hash($pass, PASSWORD_DEFAULT);
    echo "$username $email $pass";
    require_once "database.inc.php";
    require_once "misc.inc.php";
    if (userExist($conn, $username)) {
        header("location: ../index.php?create=user_e&user=$username");
    } else {
        $sql = "INSERT INTO users (email, username, pass, dateCreated) VALUES ('$email', '$username', '$pass', CURRENT_DATE()); ";
        $result = $conn->query($sql);
        header("location: ../index.php?create=success&user=$username");
    }
} else {
    header("location: ../index.php");
}

```

Displaying messages index.php

```

<?php
if (isset($_GET["create"])) {
    if ($_GET["create"] == "success") {
        echo '<div class="contcard card2">
        <h2>Welcome ' . $_GET["user"] . ' !</h2>
        <p>You have successfully created an account!</p>
        <p>Click the plus icon in the top right to upload content</p>
        </div>';
    } else if ($_GET["create"] == "user_e") {
        echo '<div class="contcard card2">
        <h2>Sorry, the username: ' . $_GET["user"] . ' was already taken.</h2>
        <p>Please try again.</p>
        </div>';
    }
}

```

Create a New Account

Email:

Username:

Password:

Create

Login to an Account

Successful account creation

Welcome Billy123!

You have successfully created an account!

Click the plus icon in the top right to upload content

Username was already taken

Sorry, the username: EvanW was already taken.

Please try again.

Search and Display Database Data

HMTL admin.php

```
<?php include_once 'common.php'; ?>
<div class="containercontainer">
    <div class="contcontainer">
        <div class="contcard">
            <?php include_once "../handlers/dbSearch.inc.php"; ?>
        </div>
    </div>
</div>
<?php include_once 'footer.php' ?>
```

HTML dbSearch.inc.php

```
<h3>Search</h3>
<form method="POST">
    <label for="name_s">Name:</label>
    <input type="text" name="name_s">
    <label for="email_s">Email:</label>
    <input type="text" name="email_s">
    <label for="type_s">Account Type:</label>
    <select name="type_s">
        <option value="select">Select:</option>
        <option value="admin">Administrator</option>
        <option value="user">User</option>
    </select>
    <input type="submit" name="Search">
</form>
```

PHP script misc.inc.php

```
function buildTable($result)
{
    if ($result->num_rows > 0) {
        while ($row = $result->fetch_assoc()) {
            echo "<tr>";
            echo "<td>" . $row["username"] . "</td>";
            echo "<td>" . $row["email"] . "</td>";
            echo "<td>" . $row["numPosts"] . "</td>";
            echo "<td>" . $row["dateCreated"] . "</td>";
            echo "<td>" . $row["access"] . "</td>";
        }
    } else {
        echo "0 results";
    }
}
```

```

<?php
require_once 'database.inc.php';
require_once "misc.inc.php";
$sql_all = "SELECT * FROM users;";
if (isset($_POST["Search"])) {
    $sql = "SELECT * FROM users WHERE ";
    $name = $_POST["name_s"];
    $email = $_POST["email_s"];
    ($_POST["type_s"] == "select") ? $type = "" : $type = $_POST["type_s"];
    if ($name > 0) {
        $sql .= "username LIKE '%$name%' ";
        echo "Searching for:<br>";
        echo "Username: $name ";
        if ($email > 0) {
            $sql .= "AND email LIKE '%$email%' ";
            echo "Email: $email ";
        }
        if ($type > 0) {
            $sql .= "AND access LIKE '$type' ";
            echo "Account Type: $type";
        }
        trim($sql);
        $sql .= ";";
    } else if ($email > 0) {
        $sql .= "email LIKE '%$email%' ";
        echo "Searching for:<br>";
        echo "Email: $email ";
        if ($type > 0) {
            $sql .= "AND access LIKE '%$type%' ";
            echo "Account Type: $type";
        }
        trim($sql);
        $sql .= ";";
    } else if ($type > 0) {
        $sql .= "access LIKE '%$type%' ";
        echo "Searching for:<br>";
        echo "Account Type: $type";
        trim($sql);
        $sql .= ";";
    } else {
        echo "No input detected!";
    }
}

```

PHP script dbSearch.inc.php (2)

```
$result = $conn->query($sql);
echo "<table class='usrList'>";
echo "<caption>Search Results</caption>";
echo "<thead>";
echo "<tr>";
echo "<th>Username</th>";
echo "<th>Email</th>";
echo "<th>Num of Posts</th>";
echo "<th>Date Account Created</th>";
echo "<th>Role</th>";
echo "</tr>";
echo "</thead>";
buildTable($result);
}
$result = $conn->query($sql_all);
echo "<table class='usrList'>";
echo "<caption>All Users</caption>";
echo "<thead>";
echo "<tr>";
echo "<th>Username</th>";
echo "<th>Email</th>";
echo "<th>Num of Posts</th>";
echo "<th>Date Account Created</th>";
echo "<th>Role</th>";
echo "</tr>";
echo "</thead>";
buildTable($result);

?>
```


Search

Name: Email: Account Type:
Searching for:
Username: e Email: gmail Account Type: user

Search Results

Username	Email	Num of Posts	Date Account Created	Role
ogKev	g@gmail.com	0	2021-12-10	user
SampleUser	ThisIsEmail@gmail.com	0	2021-12-10	user

All Users

Username	Email	Num of Posts	Date Account Created	Role
Billy123	billy@gmail.com	0	2021-12-10	user
EvanW	etwe226@uky.edu	0	2021-12-01	admin
ogKev	g@gmail.com	0	2021-12-10	user
SampleUser	ThisIsEmail@gmail.com	0	2021-12-10	user
ThisIsUserName	yes@yahoo.com	0	2021-12-10	user

Extension 2: Allow users to login

HTML accountForms.php

```
<div class="swap">
  <div id="popup_ID" class="popup">
    <div class="popup-content animate">
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        <h3>Login</h3>
        <form method="POST" id="login_f" action="./handlers/login.inc.php">
          <div class="container">
            <label for="username">Username</label>
            <input type="text" name="username" required<br>
            <label for="pswd">Password</label>
            <input type="password" name="pswd" required<br>
            <button type="submit" name="login">Login</button>
          </div>
        </form>
        <a class="swap" id="toCreate" onclick="swap(this)">Create an Account</a>
      </div>
      <!-- RegEx for passwords -->
      <!-- (?=.*[A-Z])(?=.*\d).(8,)-->
      <div id="create">
        <h3>Create a New Account</h3>
        <form method="POST" id="create_f" action="./handlers/createAccount.inc.php">
          <div class="container">
            <label for="email_C">Email:</label>
            <input type="text" name="email_C" required<br>
            <label for="username">Username:</label>
            <input type="text" name="username" required<br>
            <label for="pswd">Password:</label>
            <input type="password" pattern="(?=.*[A-Z])(?=.*\d).(8,)" name="pswd" title="Password must include a number, uppercase letter, and be at least 8 characters." required<br>
            <button type="submit" name="create">Create</button>
          </div>
        </form>
        <a class="swap" id="toLogin" onclick="swap(this)">Login to an Account</a>
      </div>
    </div>
  </div>
</div>
```

HTML common.php

```
<div class="nav">
  <a href="index.php" id="link1">Home</a>
  <a href="images.php" id="link2">Images</a>
  <a href="videos.php" id="link3">Lore</a>
  <a href="test.php" id="link6">DB TEST</a>
<?php
if (isset($_SESSION["username"])) {
    echo '<a style="float: right;" onclick="document.getElementById(\'popup_ID\').style.display=\'block\'">Login</a>';
} else echo '<a style="float: right;" href="./handlers/logout.inc.php">Logout</a>'
?>
<a style="float:right;" href="usrUpload.php" id="link5">&#43;</a>
<?php
if (isset($_SESSION["access"])) {
    if ($_SESSION["access"] == "admin") {
        echo '<a style="float: right;" href="admin.php" id="link4">Admin</a>';
    }
}
?>
</div>
```

```
function verifyUser($conn, $user, $pass)
{
    echo $user;
    $temp = "";
    $sql = "SELECT * FROM users WHERE username = '$user'";
    $result = $conn->query($sql);
    $row = $result->fetch_assoc();
    if ($row !== false) {
        if ($row["username"] == $user) $temp = $row;
    }
    if ($temp == "") {
        return -1;
    } else {
        return (password_verify($pass, $temp["pass"])) ? $row : 2;
    }
}

function loginUser($user)
{
    echo '<br>';
    echo 'inside loginUser';
    echo '<br>';

    session_start();
    $_SESSION["username"] = $user["username"];
    $_SESSION["access"] = $user["access"];
    echo $_SESSION["username"] . ' ' . $_SESSION["access"];
    header("location: ../index.php?login=success&user=$user");
}
```

```

<?php
require_once 'database.inc.php';
require_once "misc.inc.php";
if(isset($_POST["login"])){
    $user = $_POST["username"];
    $canLogin = verifyUser($conn, $user, $_POST["pswd"]);
    echo $canLogin;
    if ($canLogin == -1){ // Invalid username
        header("location: ../index.php?login=user_e&user=$user");
    } else if ($canLogin == 2) { // Invalid password
        header("location: ../index.php?login=pass_e&user=$user");
    } else { // success
        echo $canLogin["username"];
        loginUser($canLogin);
    }
} else {
    header("location: ../index.php");
    exit();
}

```

Displaying messages in index.php (home page)

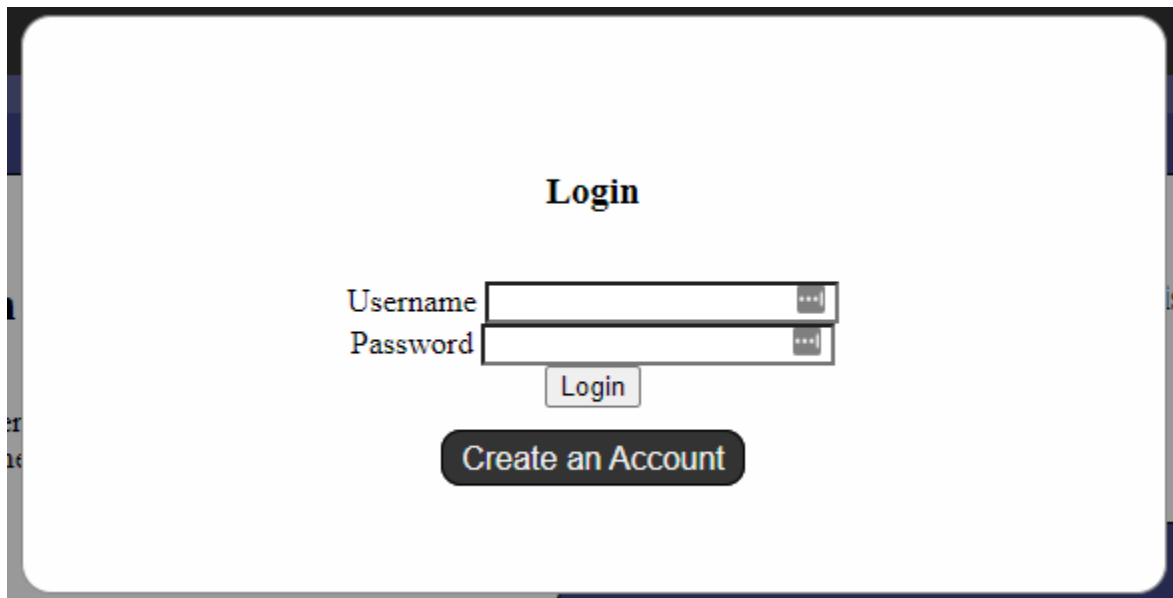
```

if (isset($_GET["login"])) {
    if ($_GET["login"] == "success") {
        echo '<div class="contcard card2">
        <h2>Welcome back ' . $_SESSION["username"] . ' !</h2>
        <p>' . $_SESSION["access"] . ' </p>
        <p>Click the plus icon in the top right to upload content or your username to view your content</p>
        </div>';
    } else if ($_GET["login"] == "user_e") {
        echo '<div class="contcard card2">
        <h2>Sorry, the username: ' . $_GET["user"] . ' doesn\'t exist</h2>
        <p>Please try again.</p>
        </div>';
    } else if ($_GET["login"] == "pass_e") {
        echo '<div class="contcard card2">
        <h2>Sorry, the password for: ' . $_GET["user"] . ' is incorrect</h2>
        <p>Please try again.</p>
        </div>';
    }
}

```

PHP script logout.inc.php

```
<?php
session_start();
session_unset();
session_write_close();
header("location: ../index.php");
```



The image shows a login form with a white background and rounded corners. At the top, the word "Login" is centered in a bold, black, serif font. Below it, there are two input fields: "Username" and "Password". Each field has a small "x" icon on the right side. Below the "Password" field is a "Login" button with a light gray background and a thin black border. Below the "Login" button is a "Create an Account" button with a dark gray background and white text.

Username that didn't exist was entered

Sorry, the username: ThisIsAName doesn't exist

Please try again.

Incorrect password for EvanW

Sorry, the password for: EvanW is incorrect

Please try again.

Welcome back EvanW!

admin

Click the plus icon in the top right to upload content or your username to view your content

Site changed because of login

