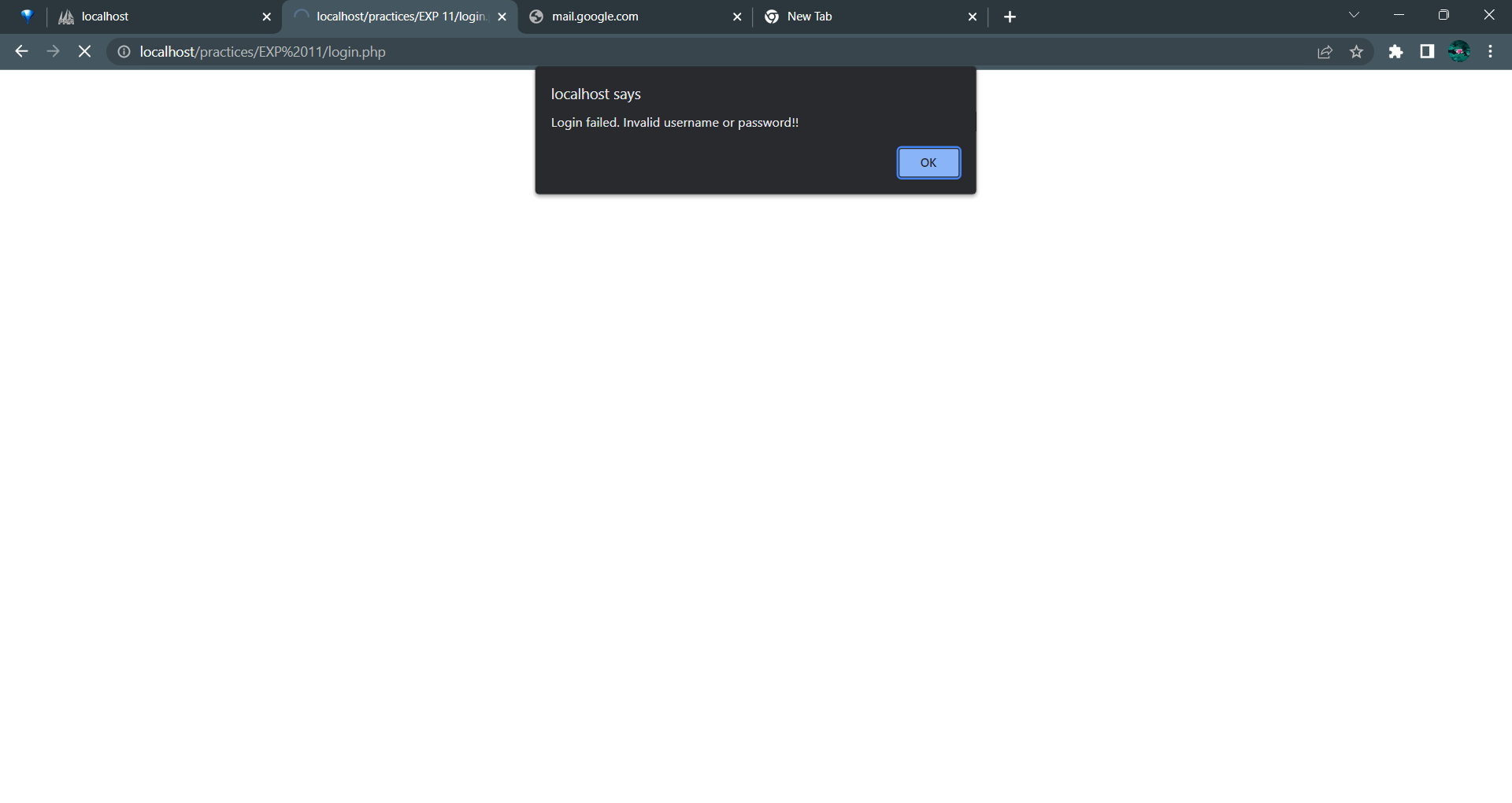
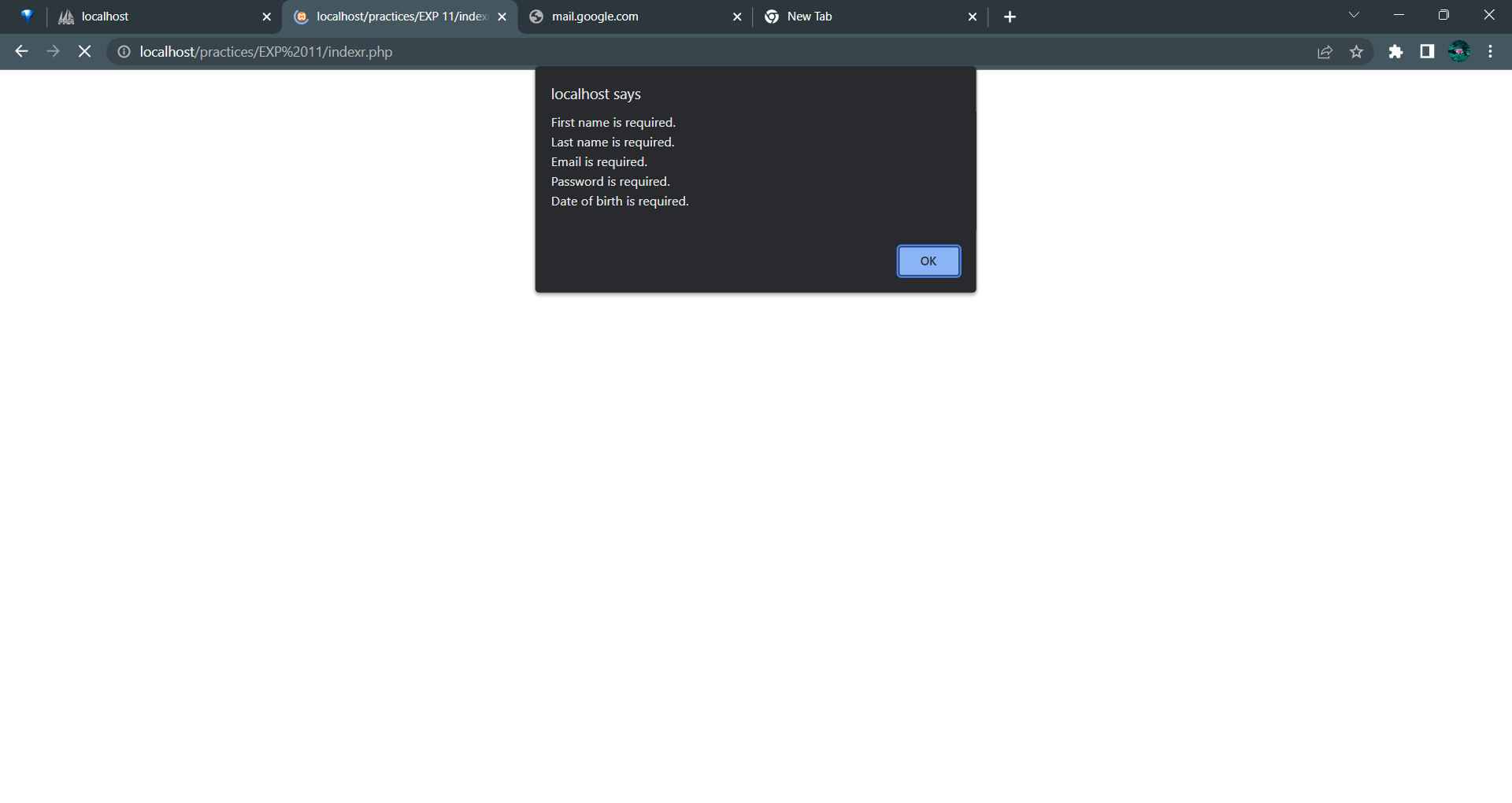
**Lab#11 Introduction to PHP (Starting to script on server side, Arrays, function, validations) [Server-side validations for Registration and Login page of semester project website]**

|  |  |  |
| --- | --- | --- |
| **TAGS USED** | **ATTRIBUTES USED** | **DESCRIPTION** |
| <!DOCTYPE> | -- | Defines the document type and version |
| <HTML> | -- | The root element of an HTML document |
| <HEAD> | -- | Contains metadata about the document such as title, styles, and scripts |
| <TITLE> | -- | Specifies a title for the document |
| <BODY> | BGCOLOR, P, U, I, B | Contains the visible content of the document |
| BGCOLOR | -- | Used to specify the background color of an element |
| ALIGN | -- | Used to specify the horizontal alignment of an element |
| BORDER | -- | Used to specify the width of the border of an element |
| <BUTTON> | -- | create a clickable button in html form on your webpage. |
| CLASS | -- | Specifies one or more class class names for an element. |
| <DIV> | -- | Defines a division or a section in HTML document. Used as a container for HTML elements. |
| checkInputs() | -- | Validates form inputs for username, username2, email, password, password2, and date. Shows error messages and adds error/success classes accordingly. |
| setErrorFor(input, message) | -- | Sets error message and error class for the input element. |
| setSuccessFor(input) | -- | Sets success class for the input element. |
| isEmail(email) | -- | Checks if an email is valid using a regular expression. |

**Final Outcome:**

****

****

**Code Snippet:**

**/\* HTML Snippet \*/**

**Registration Page:**

<?php

include("registration2.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">

<title>Create Account Page</title>

<script src="https://cdn.tailwindcss.com"></script>

<link rel="stylesheet" href="style.css">

<link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Cinzel+Decorative&display=swap" rel="stylesheet">

<script src="https://kit.fontawesome.com/63ff1e2aef.js" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/flowbite/1.6.5/datepicker.min.js"></script>

</head>

<body class="" style="background-image: url('Images/download.svg');">

<header class="h-16 bg-hero-white shadow-md sticky top-0 z-30">

<nav class="relative px-2 pb-3 pt-1">

<div class="container mx-auto my-auto flex justify-between items-center">

<p class="font-cinzel text-4xl font-medium my-2 mx-4 items-baseline text-hero-red">

FUBIZ

</p>

<div class="space-x-10 mr-5">

<a href="#!" role="button" class="text-hero-red">

<i class="fa-solid fa-user fa-lg"></i>

</a>

<a href="#!" role="button" class="text-hero-red">

<i class=" fa-solid fa-cart-shopping fa-lg"></i>

</a>

</div>

<button id="mobile-icon" class="md:hidden">

<i onclick="changeIcon(this)" class="fa-solid fa-bars"></i>

</button>

</div>

</nav>

</header>

<form class=" flex justify-center" autocomplete="off" method="post" name="form" id="form">

<div class="w-3/6 my-20 bg-hero-white shadow-lg shadow-slate-900 px-10 py-5 rounded-md">

<div class="space-y-10">

<div class="border-b border-gray-500/10 pb-10 form-control">

<div

class="flex justify-between items-center pb-4 mb-4 rounded-t border-b sm:mb-5 dark:border-gray-600">

<h3 class="text-xl font-bold text-gray-900">

Create Account

</h3>

<button type="button"

class="text-gray-400 bg-transparent hover:bg-gray-200 hover:text-gray-900 rounded-lg text-sm p-1.5 ml-auto inline-flex items-center dark:hover:bg-gray-600 dark:hover:text-white"

data-modal-toggle="defaultModal">

<svg aria-hidden="true" class="w-5 h-5" fill="currentColor" viewBox="0 0 20 20"

xmlns="http://www.w3.org/2000/svg">

<path fill-rule="evenodd"

d="M4.293 4.293a1 1 0 011.414 0L10 8.586l4.293-4.293a1 1 0 111.414 1.414L11.414 10l4.293 4.293a1 1 0 01-1.414 1.414L10 11.414l-4.293 4.293a1 1 0 01-1.414-1.414L8.586 10 4.293 5.707a1 1 0 010-1.414z"

clip-rule="evenodd"></path>

</svg>

<span class="sr-only">Close modal</span>

</button>

</div>

<div class=" grid grid-cols-1 gap-x-6 gap-y-5 sm:grid-cols-6 ">

<div class="col-span-full">

<label for="first-name" class="block text-sm font-medium leading-6 text-gray-900">First

Name</label>

<div class="mt-2 ">

<input type="text" name="username" id="username" placeholder="Enter first name here..."

class="block w-full rounded-md border-0 py-1.5 px-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300 placeholder:text-gray-400 focus:ring-1 focus:ring-inset focus:ring-hero-blue sm:text-sm sm:leading-6">

<i class="fas fa-check-circle"></i>

<i class="fas fa-exclamation-circle"></i>

<small>Error message</small>

</div>

</div>

<div class="col-span-full">

<label for="first-name" class="block text-sm font-medium leading-6 text-gray-900">Last

Name</label>

<div class="mt-2">

<input type="text" name="last-name" id="username2" autocomplete="given-name"

placeholder="Enter last name here..."

class="block w-full rounded-md border-0 py-1.5 px-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300 placeholder:text-gray-400 focus:ring-1 focus:ring-inset focus:ring-hero-blue sm:text-sm sm:leading-6">

<i class="fas fa-check-circle"></i>

<i class="fas fa-exclamation-circle"></i>

<small>Error message</small>

</div>

</div>

<div class="col-span-full">

<label for="email-name" class="block text-sm font-medium leading-6 text-gray-900">Email

Address</label>

<div class="mt-2">

<input type="text" id="email" autocomplete="off"

placeholder="Enter email-address here..."

class="block w-full rounded-md border-0 py-1.5 px-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300 placeholder:text-gray-400 focus:ring-1 focus:ring-inset focus:ring-hero-blue sm:text-sm sm:leading-6">

<i class="fas fa-check-circle"></i>

<i class="fas fa-exclamation-circle"></i>

<small>Error message</small>

</div>

</div>

<div class="col-span-full">

<label for="password"

class="block text-sm font-medium leading-6 text-gray-900">Password</label>

<div class="mt-2">

<input type="password" name="password" id="password" autocomplete="given-password"

placeholder="Enter password here..."

class="block w-full rounded-md border-0 py-1.5 px-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300 placeholder:text-gray-400 focus:ring-1 focus:ring-inset focus:ring-hero-blue sm:text-sm sm:leading-6">

<i class="fas fa-check-circle"></i>

<i class="fas fa-exclamation-circle"></i>

<small>Error message</small>

</div>

</div>

<div class="col-span-full">

<label for="password" class="block text-sm font-medium leading-6 text-gray-900">Confirm

Password</label>

<div class="mt-2">

<input type="password" id="confirm" placeholder="Enter confirm password here..."

class="block w-full rounded-md border-0 py-1.5 px-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300 placeholder:text-gray-400 focus:ring-1 focus:ring-inset focus:ring-hero-blue sm:text-sm sm:leading-6">

<i class="fas fa-check-circle"></i>

<i class="fas fa-exclamation-circle"></i>

<small>Error message</small>

</div>

</div>

<div class="col-span-2">

<label for="password" class="block text-sm font-medium leading-6 text-gray-900">Date of

Birth</label>

<div class="mt-2">

<input datepicker placeholder="Click to add Birth date..." id="date"

class="block w-full rounded-md border-0 py-1.5 px-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300 placeholder:text-gray-400 focus:ring-1 focus:ring-inset focus:ring-hero-blue sm:text-sm sm:leading-6">

<i class="fas fa-check-circle"></i>

<i class="fas fa-exclamation-circle"></i>

<small>Error message</small>

</div>

</div>

</div>

</div>

</div>

<div class="mt-4 mb-4 flex items-center justify-end gap-x-6">

<button type="button" class="text-base font-semibold leading-6 text-gray-900">Cancel</button>

<button type="submit"

class="bg-[#eb364f] px-5 py-1.5 rounded-3xl text-base font-semibold text-white shadow-sm hover:bg-red-500 focus-visible:outline ">Sign

Up</button>

</div>

</div>

</form>

<script src="./main.js"></script>

</body>

</html>

**Login Page:**

<?php

include("login.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">

<title>Login Page</title>

<script src="https://cdn.tailwindcss.com"></script>

<link rel="stylesheet" href="style.css">

<link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Cinzel+Decorative&display=swap" rel="stylesheet">

<script src="https://kit.fontawesome.com/63ff1e2aef.js" crossorigin="anonymous"></script>

</head>

<body class="" style="background-image: url('Images/download.svg');">

<header class="h-16 bg-hero-white shadow-md sticky top-0 z-30">

<nav class="relative px-2 pb-3 pt-1">

<div class="container mx-auto my-auto flex justify-between items-center">

<p class="font-cinzel text-4xl font-medium my-2 mx-4 items-baseline text-hero-red">

FUBIZ

</p>

</nav>

</header>

<form class=" flex justify-center" name="form" method="post" id="form">

<div class="w-3/6 my-20 bg-hero-white shadow-lg shadow-slate-900 px-10 py-5 rounded-md ">

<div class="space-y-10">

<div class="border-b border-gray-500/10 pb-10 m-2 form-control">

<div

class="flex justify-between items-center pb-4 mb-4 rounded-t border-b sm:mb-5 dark:border-gray-600">

<h3 class="text-xl font-bold text-gray-900">

Login

</h3>

<button type="button"

class="text-gray-400 bg-transparent hover:bg-gray-200 hover:text-gray-900 rounded-lg text-sm p-1.5 ml-auto inline-flex items-center dark:hover:bg-gray-600 dark:hover:text-white"

data-modal-toggle="defaultModal">

<svg aria-hidden="true" class="w-5 h-5" fill="currentColor" viewBox="0 0 20 20"

xmlns="http://www.w3.org/2000/svg">

<path fill-rule="evenodd"

d="M4.293 4.293a1 1 0 011.414 0L10 8.586l4.293-4.293a1 1 0 111.414 1.414L11.414 10l4.293 4.293a1 1 0 01-1.414 1.414L10 11.414l-4.293 4.293a1 1 0 01-1.414-1.414L8.586 10 4.293 5.707a1 1 0 010-1.414z"

clip-rule="evenodd"></path>

</svg>

<span class="sr-only">Close modal</span>

</button>

</div>

<div class=" grid grid-cols-1 gap-x-6 gap-y-8 sm:grid-cols-6 ">

<div class="col-span-full">

<label for="email-name"

class="block text-sm px-0.5 font-medium leading-6 text-gray-900">Email

Address</label>

<div class="mt-2">

<input type="text" name="email" id="email" placeholder="Enter email-address here..."

class="block w-full rounded-md border-0 py-1.5 px-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300 placeholder:text-gray-400 focus:ring-1 focus:ring-inset focus:ring-hero-blue sm:text-sm sm:leading-6">

<i class="fas fa-check-circle"></i>

<i class="fas fa-exclamation-circle"></i>

<small>Error message</small>

</div>

</div>

<div class="col-span-full">

<label for="password"

class="block text-sm font-medium px-0.5 leading-6 text-gray-900">Password</label>

<div class="mt-2">

<input type="password" name="password" id="password"

placeholder="Enter password here..."

class="block w-full rounded-md border-0 py-1.5 px-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300 placeholder:text-gray-400 focus:ring-1 focus:ring-inset focus:ring-hero-blue sm:text-sm sm:leading-6">

<i class="fas fa-check-circle"></i>

<i class="fas fa-exclamation-circle"></i>

<small>Error message</small>

</div>

</div>

<div class="col-span-full">

<div class="flex items-start ">

<div class="flex items-center">

<input id="remember" type="checkbox" value=""

class="w-4 h-4 border border-gray-300 rounded bg-gray-50 focus:ring-3 focus:ring-blue-300 dark:border-gray-600 dark:focus:ring-blue-600 dark:ring-offset-gray-800 dark:focus:ring-offset-gray-800">

</div>

<label for="remember" class="ml-2 text-sm font-medium text-gray-900">Remember

me</label>

</div>

</div>

</div>

</div>

</div>

<div class="mt-4 mb-4 flex items-center justify-end gap-x-6">

<button type="button" class="text-base font-semibold leading-6 text-gray-900">Cancel</button>

<button type="submit"

class="bg-[#eb364f] px-5 py-1.5 rounded-3xl text-base font-semibold text-white shadow-sm hover:bg-red-500 focus-visible:outline ">Sign

In</button>

<a href="Create account.html">

<button type="button"

class="bg-[#eb364f] px-5 py-1.5 rounded-3xl text-base font-semibold text-white shadow-sm hover:bg-red-500 focus-visible:outline ">Create

Account</button>

</a>

</div>

</div>

</div>

</div>

</form>

<script src="./main2.js"></script>

</body>

</html>

**/\* login.php \*/**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$db\_name = "wp";

$conn = new mysqli($servername, $username, $password, $db\_name, 3360);

if($conn->connect\_error){

die("Connection failed".$conn->connect\_error);

}

echo " ";

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

$username = $\_POST['email'];

$password = $\_POST['password'];

$sql = "select \* from login where email\_id = '$username' and password = '$password'";

$result = mysqli\_query($conn, $sql);

$row = mysqli\_fetch\_array($result, MYSQLI\_ASSOC);

$count = mysqli\_num\_rows($result);

if($count == 1){

header("Location: welcom.php");

}

else{

echo '<script>

window.location.href = "indexl.php";

alert("Login failed. Invalid username or password!!")

</script>';

}

}

?>

**/\* registration.php \*/**

<?php

// Check if the form has been submitted

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

// Retrieve the form data

$firstname = $\_POST['username'];

$lastname = $\_POST['username2'];

$email = $\_POST['email'];

$password = $\_POST['password'];

$confirmPassword = $\_POST['confirm'];

$dob = $\_POST['date'];

// Initialize an array to store validation errors

$errors = array();

// Validate the firstname

if (empty($firstname)) {

$errors[] = "First name is required.";

}

// Validate the lastname

if (empty($lastname)) {

$errors[] = "Last name is required.";

}

// Validate the email

if (empty($email)) {

$errors[] = "Email is required.";

} elseif (!filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

$errors[] = "Invalid email format.";

}

// Validate the password

if (empty($password)) {

$errors[] = "Password is required.";

} elseif (strlen($password) < 8) {

$errors[] = "Password must be at least 8 characters long.";

}

// Validate the confirm password

if ($password != $confirmPassword) {

$errors[] = "Passwords do not match.";

}

// Validate the date of birth

if (empty($dob)) {

$errors[] = "Date of birth is required.";

}

// elseif (!preg\_match("/^\d{2}\/\d{2}\/\d{4}$/", $dob)) {

// $errors[] = "Invalid date of birth format. Use MM/DD/YYYY.";

// } else {

// // Check if the date of birth is valid

// $dobTimestamp = strtotime($dob);

// if (!$dobTimestamp) {

// $errors[] = "Invalid date of birth.";

// } else {

// $dobDate = date('Y-m-d', $dobTimestamp);

// if ($dob != $dobDate) {

// $errors[] = "Invalid date of birth. Use MM/DD/YYYY.";

// }

// }

// }

// If there are no validation errors, insert the data into the database

if (count($errors) == 0) {

// Connect to the database

$host = 'localhost';

$user = 'root';

$password = '';

$database = 'wp';

$conn = mysqli\_connect($host, $user, $password, $database, 3360);

// Check if the connection was successful

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

$sql = "INSERT INTO login (first\_name, last\_name, email\_id, password, c\_password, dob) VALUES ('$firstname', '$lastname', '$email', '$password', '$confirmPassword', '$dob')";

if (mysqli\_query($conn, $sql)) {

echo "<script>alert('Registration successful.');</script>";

} else {

echo "<script>alert('Error: " . $sql . "<br>" . mysqli\_error($conn) . "');</script>";

}

mysqli\_close($conn);

} else {

// Display validation errors as alerts

$errorString = "";

foreach ($errors as $error) {

$errorString .= $error . "\\n";

}

echo "<script>alert('" . $errorString . "');</script>";

}

}

?>