Index.html code:

<!doctype html>

<html lang="en">

<head>

<!-- Required meta tags -->

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Bootstrap CSS -->

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"

integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<title>Customer Details</title>

<script>

function validation() {

var Valid = true;

// Email validation

var email = document.getElementById("txtEmail").value;

var emailPattern = /^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/;

if (!emailPattern.test(email)) {

document.getElementById("emailMessage").innerHTML = "<em>Please provide your email address in 'xxx@mail.com' format</em>";

document.getElementById("emailMessage").classList.add("text-danger");

Valid = false;

} else {

document.getElementById("emailMessage").innerHTML = "Valid";

document.getElementById("emailMessage").classList.remove("text-danger");

document.getElementById("emailMessage").classList.add("text-success");

}

// Name validation

if (document.getElementById("txtName").value.length == 0) {

document.getElementById("nameMessage").innerHTML = "<em>You did not enter your name</em>";

document.getElementById("nameMessage").classList.add("text-danger");

Valid = false;

} else {

document.getElementById("nameMessage").innerHTML = "Valid";

document.getElementById("nameMessage").classList.remove("text-danger");

document.getElementById("nameMessage").classList.add("text-success");

}

// Phone number validation

var phoneNumber = document.getElementById("txtPhone").value;

var phoneNumberPattern = /^[0-9]{10}$/;

if (!phoneNumberPattern.test(phoneNumber)) {

var nonDigitCharPattern = /[^0-9]/;

var nonDigitMatch = phoneNumber.match(nonDigitCharPattern);

if (nonDigitMatch) {

document.getElementById("phoneNumberMessage").innerHTML = "<em>Phone number contains an invalid character</em>";

} else if (phoneNumber.length > 10) {

document.getElementById("phoneNumberMessage").innerHTML = "<em>Phone number must not exceed 10 digits</em>";

} else {

document.getElementById("phoneNumberMessage").innerHTML = "<em>Please enter your phone number</em>";

}

document.getElementById("phoneNumberMessage").classList.add("text-danger");

Valid = false;

} else {

document.getElementById("phoneNumberMessage").innerHTML = "Valid";

document.getElementById("phoneNumberMessage").classList.remove("text-danger");

document.getElementById("phoneNumberMessage").classList.add("text-success");

}

// Address validation

var address = document.getElementById("txtAddress").value;

var addressPattern = /^[a-zA-Z0-9\s,.'-]{3,}$/;

if (!addressPattern.test(address)) {

document.getElementById("addressMessage").innerHTML = "<em>Please enter your address</em>";

document.getElementById("addressMessage").classList.add("text-danger");

Valid = false;

} else {

document.getElementById("addressMessage").innerHTML = "Valid";

document.getElementById("addressMessage").classList.remove("text-danger");

document.getElementById("addressMessage").classList.add("text-success");

}

return Valid;

}

</script>

<style>

.text-danger {

color: red; }

.text-success {

color: green; }

</style>

</head>

<body>

<header>

<div class="container-fluid bg-info-subtle mb-4">

<div class="col-sm-8 mx-auto text-center py-2">

<h1 class="display-4">Customer Details Form</h1>

<p class="lead">Please fill in the form below to provide your details.</p>

</div>

</div>

</header>

<fieldset>

<form name="frmCustomer" class="needs-validation mx-4" method="post" action="contact.php" onsubmit="return validation()">

<p>

<label for="txtName">Name</label>

<input type="text" class="form-control" name="txtName" id="txtName" placeholder="Name" value="">

<span id="nameMessage"></span>

</p>

<p>

<label for="txtPhone">Phone</label>

<input type="tel" class="form-control" name="txtPhone" id="txtPhone" placeholder="+61 xxxx xxx xxx" value="" autocomplete="tel">

<span id="phoneNumberMessage"></span>

</p>

<p>

<label for="txtEmail">Email</label>

<input type="email" class="form-control" name="txtEmail" id="txtEmail" placeholder="Email" value="" autocomplete="email">

<span id="emailMessage"></span>

</p>

<p>

<label for="txtAddress">Address</label>

<input type="text" name="txtAddress" class="form-control" id="txtAddress" placeholder="1234 Main St" autocomplete="address-line1">

<span id="addressMessage"></span>

</p>

<p>&nbsp;</p>

<p>

<input type="submit" name="Submit" id="Submit" value="Submit" class="btn btn-primary btn-lg btn-block">

</p>

</form>

</fieldset>

<footer class="container-fluid bg-dark text-white py-2">

<div class="container">

<p class="text-center fw-light">&copy; 2024</p>

</div>

</footer>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta2/dist/js/bootstrap.bundle.min.js" integrity="sha384-b5kHyXgcpbZJO/tY9Ul7kGkf1S0CWuKcCD38l8YkeH8z8QjE0GmW1gYU5S9FOnJ0" crossorigin="anonymous"></script>

</body>

</html>

Contact.php code:

<?php

// database connection code

$con = mysqli\_connect('localhost', 'root', '','dn\_contact');

// check database connection

if (!$con) {

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

}

// get the post records

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

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

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

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

// database insert SQL code

$sql = "INSERT INTO `CUSTOMERS` (`CUST\_NAME`, `CUST\_PHONE`, `CUST\_EMAIL`, `CUST\_ADDRESS`)

VALUES (?, ?, ?, ?)";

// create prepared statement

$stmt = mysqli\_prepare($con, $sql);

// bind parameters to prepared statement

mysqli\_stmt\_bind\_param($stmt, "ssss", $txtName, $txtPhone, $txtEmail, $txtAddress);

// execute prepared statement

if (mysqli\_stmt\_execute($stmt)) {

echo "Customer Records Inserted";

} else {

echo "Error: " . mysqli\_error($con);

}

// close prepared statement

mysqli\_stmt\_close($stmt);

// close database connection

mysqli\_close($con);

?>

MySQL code:

CREATE DATABASE IF NOT EXISTS `dn\_contact` DEFAULT CHARACTER SET latin1 COLLATE latin1\_swedish\_ci;

USE ` dn\_contact `;

-- Table structure for table `CUSTOMERS`

DROP TABLE IF EXISTS `CUSTOMERS`;

CREATE TABLE IF NOT EXISTS `CUSTOMERS` (

`CUST\_ID` int(11) NOT NULL,

`CUST\_NAME` varchar(35) NOT NULL,

`CUST\_PHONE` varchar(20) NOT NULL,

`CUST\_EMAIL` varchar(80) NOT NULL,

`CUST\_ADDRESS` varchar(80) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-- Indexes for table `CUSTOMERS`

ALTER TABLE `CUSTOMERS`

ADD PRIMARY KEY (`CUST\_ID`);

-- AUTO\_INCREMENT for table `CUSTOMERS`

ALTER TABLE `CUSTOMERS`

MODIFY `CUST\_ID` int(11) NOT NULL AUTO\_INCREMENT;