

MINI MAIN – HDLC TECH

Problem Statement:

Developing a functionality to connect a form to a database using PHP and MySQL, allowing users to submit and store applicant information, including attributes such as applicant name, gender, qualification, age, date of birth, etc. The form will utilize HTML for input fields and PHP for establishing the connection to the database.

Code:

Form.html

```
<!DOCTYPE HTML>
<html>

<head>
  <title>Application Form</title>
  <style>
    table,
    th,
    td {
      border: 1px solid rgb(0, 0, 0);
    }

    body {
      background-color: rgb(90, 138, 84);
    }
  </style>
</head>

<body>
  <center>
```

```

<h1><b>Application Form</b></h1><br><br>
<form action="insert.php" method="POST">
  <table>
    <tr>
      <td><b>Name</b></td>
      <td><input type="text" name="username" required></td>
    </tr>
    <tr>
      <td><b>Password</b></td>
      <td><input type="password" name="password" required></td>
    </tr>
    <tr>
      <td><b>Gender</b></td>
      <td>
        <input type="radio" name="gender" value="m"
required>Male
        <input type="radio" name="gender" value="f"
required>Female
      </td>
    </tr>
    <tr>
      <td><b>Email</b></td>
      <td><input type="email" name="email" required></td>
    </tr>
    <tr>
      <td><b>Phone no</b></td>
      <td>
        <select name="phoneCode" required>
          <option selected hidden value="">Select
Code</option>
          <option value="+91">+91</option>
          <option value="+1">+1</option>
          <option value="+44">+44</option>
          <option value="+52">+52</option>
          <option value="+86">+86</option>
          <option value="+93">+93</option>
        </select>
        <input type="phone" name="phone" required>
      </td>
    </tr>
    <tr>
      <td><input type="submit" value="Submit"
name="submit"></td>
    </tr>
  </table>
</form>
</center>
</body></html>

```

Insert.php:

```
<?php
if (isset($_POST['submit'])) {
    if (isset($_POST['username']) && isset($_POST['password']) &&
        isset($_POST['gender']) && isset($_POST['email']) &&
        isset($_POST['phoneCode']) && isset($_POST['phone'])) {

        $username = $_POST['username'];
        $password = $_POST['password'];
        $gender = $_POST['gender'];
        $email = $_POST['email'];
        $phoneCode = $_POST['phoneCode'];
        $phone = $_POST['phone'];

        $host = "localhost";
        $dbUsername = "root";
        $dbPassword = "";
        $dbName = "data_base";

        $conn = new mysqli($host, $dbUsername, $dbPassword, $dbName);

        if ($conn->connect_error) {
            die('Could not connect to the database.');
```

```
        }
        else {
            $Select = "SELECT email FROM register WHERE email = ? LIMIT 1";
            $Insert = "INSERT INTO register(username, password, gender, email,
phoneCode, phone) values(?, ?, ?, ?, ?, ?)";

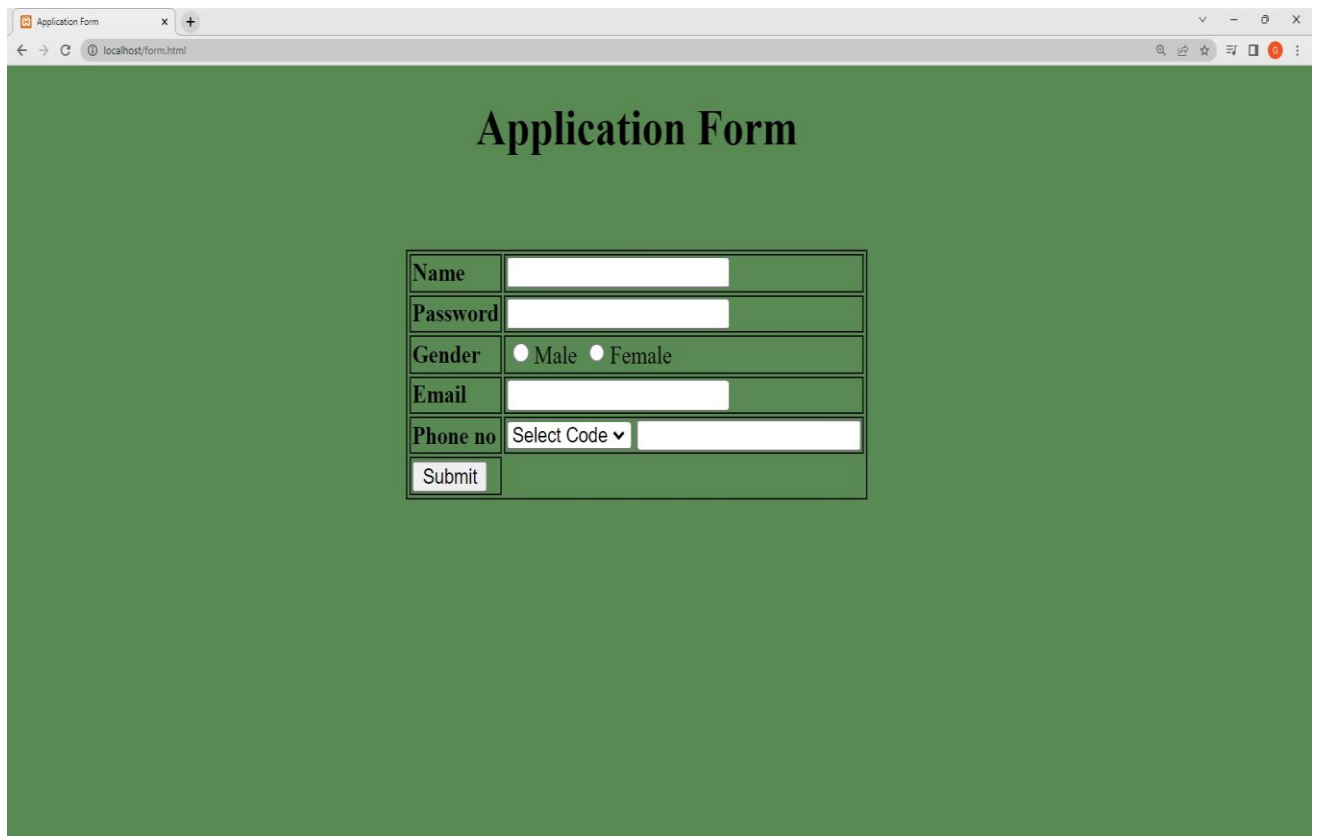
            $stmt = $conn->prepare($Select);
            $stmt->bind_param("s", $email);
            $stmt->execute();
            $stmt->bind_result($resultEmail);
            $stmt->store_result();
            $stmt->fetch();
            $rnum = $stmt->num_rows;

            if ($rnum == 0) {
                $stmt->close();

                $stmt = $conn->prepare($Insert);
                $stmt->bind_param("ssssii",$username, $password, $gender,
$email, $phoneCode, $phone);
```

```
        if ($stmt->execute()) {
            echo "New record inserted sucessfully.";
        }
        else {
            echo $stmt->error;
        }
    }
    else {
        echo "Someone already registers using this email.";
    }
    $stmt->close();
    $conn->close();
}
}
else {
    echo "All field are required.";
    die();
}
}
else {
    echo "Submit button is not set";
}
?>
```

Output:



The screenshot displays a web browser window with the title 'Application Form'. The address bar shows 'localhost/form.html'. The main content area has a solid green background. Centered at the top is the title 'Application Form' in a large, bold, black serif font. Below the title is a form with a light green background and a thin black border. The form contains the following elements:

Name	<input type="text"/>
Password	<input type="password"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female
Email	<input type="text"/>
Phone no	<div>Select Code ▼</div> <input type="text"/>
Submit	<input type="button" value="Submit"/>

Application Form

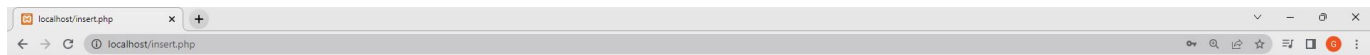
Name	gayathri	
Password	...	
Gender	<input type="radio"/> Male <input checked="" type="radio"/> Female	
Email	xyz@gmail.com	
Phone no	+91	7396833179
Submit		

Application Form

Name	Gayathri Kotti
Password
Gender	<input type="radio"/> Male <input checked="" type="radio"/> Female
Email	khlbgayathri462003@gmail
Phone no	+91 <input type="text" value="987456321"/>
Submit	

Application Form

Name	Manas
Password
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female
Email	manas@gmail.com
Phone no	+91 <input type="text" value="8523697410"/>
Submit	



New record inserted sucessfully.

A screenshot of the phpMyAdmin interface. The left sidebar shows a database structure with 'data_base' selected and 'register' highlighted. The main panel shows the 'register' table with 3 rows. A green message at the top says 'Showing rows 0 - 2 (3 total, Query took 0.0003 seconds)'. Below it is the SQL query 'SELECT * FROM `register`'. The table data is as follows:

	id	username	password	gender	email	phonecode	phone
<input type="checkbox"/>	1	gayathri	123	f	xyz@gmail.com	91	7396833179
<input type="checkbox"/>	2	Gayathri Kotti	1234	f	khibgayathri462003@gmail.com	91	987456321
<input type="checkbox"/>	3	Manas	4620003	m	manas@gmail.com	91	8523697410

DataBase(data base):

Extra options

				id	username	password	gender	email	phonecode	phone
<input type="checkbox"/>				1	gayathri	123	f	xyz@gmail.com	91	7396833179
<input type="checkbox"/>				2	Gayathri Kotti	1234	f	khlbgayathri462003@gmail.com	91	987456321
<input type="checkbox"/>				3	Manas	4620003	m	manas@gmail.com	91	8523697410

☐ Check all
 With selected:
 Edit
 Copy
 Delete
 Export

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

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