

Documentation for the Application using Bootstrap and PHP

- Create a blank HTML Document with the sections Head and Body like:

```
<!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>Document</title>
</head>
<body>
</body>
</html>
```

- Change the title to Contact Us
- Use Bootstrap CSS link in the head section

```
<!-- Bootstrap CSS -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous">
```

"<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous"> "

- Just before the closing body tag, include the Bootstrap Bundle with Popper, by using
"<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p" crossorigin="anonymous"></script>"

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p" crossorigin="anonymous"></script>
</body>
</html>
```

- This bundle is required by the Bootstrap to function properly. Many components of Bootstrap use javascript to function.
- Create a navigation bar.
- Create a nav tag with classes "navbar navbar-expand-lg navbar-dark bg-dark". Refer bootstrap documentation for these classes

- Create a div tag with class “container-fluid”. This is used for a full width, spanning the entire width of the page of the device.
- Then create a “a” tag using

```
<a class="navbar-brand" href="#">Contact Us </a>
```

Class navbar-brand is used to show the project name or company name

- Then to make it a button, create a button tag as follows:

```
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent"
aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
```

Refer bootstrap documentation for classes and attributes. Navbar toggler is used to collapse the navigation bar in case the website is being viewed on a smaller device.

- Create a div tag and start creating the options in the navigation bar using ul tag like below:

```
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav me-auto mb-2 mb-lg-0">
  <li class="nav-item">
    <a class="nav-link active" aria-current="page" href="https://prabhakg.myweb.cs.uwindsor.ca/second/">Home</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="https://prabhakg.myweb.cs.uwindsor.ca/first/">First Application</a>
  </li>
  <li class="nav-item dropdown">
    <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown" aria-expanded="false">
      Dropdown
    </a>
    <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
      <li><a class="dropdown-item" href="#">Action</a></li>
      <li><a class="dropdown-item" href="#">Another action</a></li>
      <li><hr class="dropdown-divider"></li>
      <li><a class="dropdown-item" href="#">Something else here</a></li>
    </ul>
  </li>
  <li class="nav-item">
    <a class="nav-link disabled">Disabled</a>
  </li>
</ul>
```

For Home link, href attribute should refer to itself.

I have created some options in the navigation bar like link to another application, some drop down menu

- Create a form tag as below to create a search area along with a search button.

```
<form class="d-flex">
  <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
  <button class="btn btn-outline-success" type="submit">Search</button>
</form>
</div>
```

Class d-flex is used to create a flexible container.

- Create a form as below to get the details of the user

```

<div class="container mt-3">
  <h1>Contact us for your concerns</h1>
  <form action="index.php" method="post">
    <div class="mb-3">
      <label for="name" class="form-label">Name</label>
      <input type="text" name="name" class="form-control" id="name" aria-describedby="nameHelp">
    </div>
    <div class="mb-3">
      <label for="email" class="form-label">Email address</label>
      <input type="email" name="email" class="form-control" id="email" aria-describedby="emailHelp">
      <div id="emailHelp" class="form-text">We'll never share your email with anyone else.</div>
    </div>
    <div class="mb-3">
      <label for="desc" class="form-label">Description</label>
      <textarea class="form-control" name="desc" id="desc" cols="30" rows="10"></textarea>
    </div>
    <button type="submit" class="btn btn-primary">Submit</button>
  </form>
</div>

```

This will create a form with name, email and concern as fields.

PHP section:

In the php section first I'm disabling the error display as user may not want to see a technical error message.

```
ini_set('display_errors', '0');
```

Rest of the php code will be under and if condition which checks if the server request is post.

```
if ($_SERVER['REQUEST_METHOD'] == 'POST'){
```

Get the inputs from the form and store them in a variable.

```

$name = $_POST['name'];
$email = $_POST['email'];
$desc = $_POST['desc'];

```

Settings the variables with the Database details:

```

// Connecting to the Database
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "contacts";

```

Connecting to the database and checking if the connection is successful otherwise close the connection by displaying proper message.

I used mysqli_report to handle the warnings and errors conveniently.

```

mysqli_report(MYSQLI_REPORT_ALL ^ MYSQLI_REPORT_STRICT);
// Create a connection
$conn = mysqli_connect($servername, $username, $password, $database);
// Die if connection was not successful
if (!$conn){
    die("<br>Sorry we failed to connect: <br>". mysqli_connect_error());
}

```

Create an insert query to insert the values in the database.

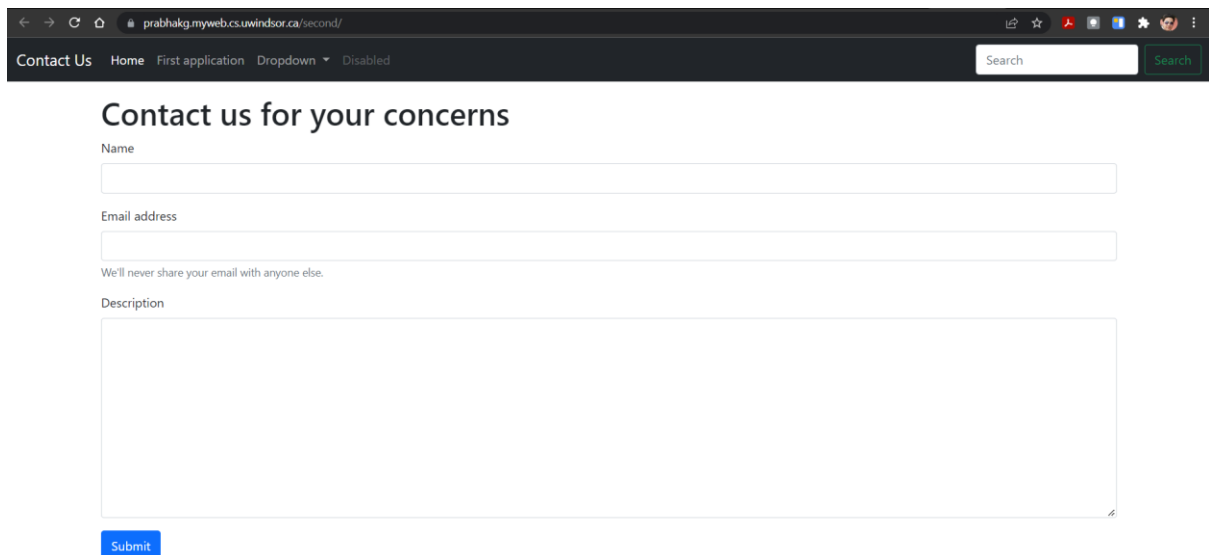
If the insert operation is successful, a success message will be displayed, otherwise an error message is displayed.

```

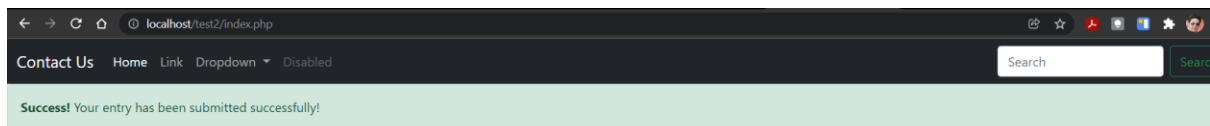
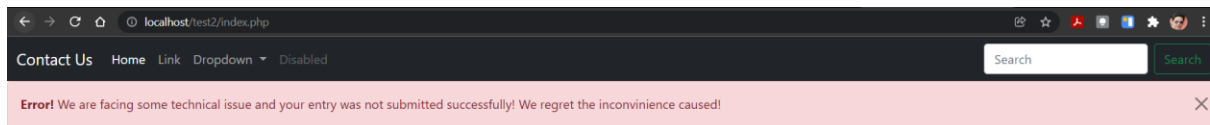
else{
    // Submit these to a database
    // Sql query to be executed
    $sql = "INSERT INTO `contactus` (`name`, `email`, `concern`) VALUES ('$name', '$email', '$desc')";
    $result = mysqli_query($conn, $sql);

    if($result){
        echo '<div class="alert alert-success alert-dismissible fade show" role="alert">
        <strong>Success!</strong> Your entry has been submitted successfully!
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
        </div>';
    }
    else{
        // echo "The record was not inserted successfully because of this error ---> ". mysqli_error($conn);
        echo '<div class="alert alert-danger alert-dismissible fade show" role="alert">
        <strong>Error!</strong> We are facing some technical issue and your entry was not submitted successfully! We regret the
        inconvenience caused!
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
        </div>';
    }
}

```



The screenshot shows a web browser window with the address bar displaying 'prathakg.myweb.cs.uwindsor.ca/second/'. The page has a navigation bar with links: 'Contact Us', 'Home', 'First application', 'Dropdown', and 'Disabled'. There is a search bar with the text 'Search' and a green 'Search' button. The main content area is titled 'Contact us for your concerns' and contains a form with three input fields: 'Name', 'Email address', and 'Description'. Below the 'Description' field is a blue 'Submit' button. A small text line reads 'We'll never share your email with anyone else.' between the email and description fields.



Application:

<https://prabhakg.myweb.cs.uwindsor.ca/second/>

References

- <https://getbootstrap.com/docs>