

# DOCUMENTATION

- Created an HTML document
- In the head section added bootstrap and datatables css files.

```
• <!-- Bootstrap CSS -->
• <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet"
• integrity="sha384-
1BmE4kWBq78iYhF1dvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">
•
• <link rel="stylesheet"
href="//cdn.datatables.net/1.11.4/css/jquery.dataTables.min.css">
•
• <title>Notes</title>
```

- In the body created a nav bar.

```
• <!-- Nav bar -->
• <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
• <div class="container-fluid">
• <a class="navbar-brand" href="#"></a>
• <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>
• <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="#">Home</a>
• </li>
• <li class="nav-item">
• <a class="nav-link" href="#">About Us</a>
• </li>
• <li class="nav-item">
• <a class="nav-link" href="#">Contact Us</a>
• </li>
• </li> -->
• </ul>
• <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>
```

- `</div>`
- `</nav>`

In the navbar, I have added an image tag to place an image of php logo.

- Next section if of PHP. We are checking 3 variables(insert, delete and update) using if condition and if they are true, we are generating an alert (using bootstrap) to notify the users.

```
<!-- Php and insert Alert -->
<?php
    if($insert)
    {
        echo "<div class='alert alert-success alert-dismissible fade show'
role='alert'>
            <strong>Success!</strong> You note has been inserted successfully.
            <button type='button' class='btn-close' data-bs-dismiss='alert' aria-
label='Close'></button>
        </div>";
    }
?>

<!-- Php and delete Alert -->
<?php
    if($delete)
    {
        echo "<div class='alert alert-success alert-dismissible fade show'
role='alert'>
            <strong>Success!</strong> You note has been deleted successfully.
            <button type='button' class='btn-close' data-bs-dismiss='alert' aria-
label='Close'></button>
        </div>";
    }
?>

<!-- Php and update Alert -->
<?php
    if($update)
    {
        echo "<div class='alert alert-success alert-dismissible fade show'
role='alert'>
            <strong>Success!</strong> You note has been updated successfully.
            <button type='button' class='btn-close' data-bs-dismiss='alert' aria-
label='Close'></button>
        </div>";
    }
?>
```

- Next, we have created a form(using bootstrap) where user can add a note and its title.
- The form has action attribute which redirects the form submission to itself.
- `<!-- main form -->`

```

• <div class="container my-4">
• <h2>Add a Note</h2>
• <form action="/app5/index.php" method="post">
• <div class="mb-3">
• <label for="title" class="form-label">Note Title</label>
• <input type="text" class="form-control" id="title" name="title"
placeholder="Note Title"
• aria-describedby="emailHelp">
• </div>
• <div class="mb-3">
• <label for="desc" class="form-label">Note Description</label>
• <textarea class="form-control" id="desc" name="desc"
placeholder="Note Description"></textarea>
• </div>
• <button type="submit" class="btn btn-primary">Add Note</button>
• </form>
• </div>

```

- Next section has used php and datatables to show all the notes added by the user from the database
- Used while loop to fetch and display the data.
- Created edit and delete buttons for each record to edit or delete the note.

```

<!-- PHP and select Table -->
<div class="container my-4">
  <table class="table" id="myTable">
    <thead>
      <tr>
        <th scope="col">S.No</th>
        <th scope="col">Title</th>
        <th scope="col">Description</th>
        <th scope="col">Actions</th>
      </tr>
    </thead>
    <tbody>
      <?php
      $sql = "SELECT * FROM `notes`";
      $result = mysqli_query( $conn, $sql);
      $sno = 0;
      while ($row = mysqli_fetch_assoc($result))
      {
        $sno = $sno + 1;
        echo "<tr>
        <th scope='row'>".$sno."</th>
        <td>".$row['title']."</td>
        <td>".$row['description']."</td>
        <td><button class='edit btn btn-sm btn-primary'
id=".$row['sno']."'>Edit</button> <button class='delete btn btn-sm btn-primary'
id=d".$row['sno']."'>Delete</button></td>

```

```

        </tr>";
    }
    ?>
</tbody>
</table>
</div>
<hr>

```

- Next section is for including jquery which is used by datatables.

```

<script src="https://code.jquery.com/jquery-3.6.0.js"
    integrity="sha256-H+K7U5CnXl1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk="
    crossorigin="anonymous"></script>

```

- We have also added script for including Bootstrap

```

<!-- Option 1: Bootstrap Bundle with Popper -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-
ka7Sk0GlIn4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
    crossorigin="anonymous"></script>

```

- Included javascript and code for implementing datatables

```

<script src="//cdn.datatables.net/1.11.4/js/jquery.dataTables.min.js"></script>
<script>
    $(document).ready(function () {
        $('#myTable').DataTable();
    });
</script>

```

- Now add a new modal section, under the body tag. This will open a dialog box if we want to edit the note.
- We have created a form, which will allow the users to update the notes and submit the changes. The form will be redirected to itself after submission.

```

<!-- Edit Modal -->
<div class="modal fade" id="editmodal" tabindex="-1" aria-
labelledby="editmodalLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="editmodalLabel">Edit Note</h5>
                <button type="button" class="btn-close" data-bs-
dismiss="modal" aria-label="Close"></button>
            </div>
            <form action="/app5/index.php" method="post">
                <div class="modal-body">

```

```

•         <input type="hidden" name="snoedit" id="snoedit">
•         <div class="mb-3">
•             <label for="title" class="form-label">Note
Title</label>
•             <input type="text" class="form-control"
id="titleedit" name="titleedit"
•                 placeholder="Note Title" aria-
describedby="emailHelp">
•             </div>
•             <div class="mb-3">
•                 <label for="desc" class="form-label">Note
Description</label>
•                 <textarea class="form-control" id="descedit"
name="descedit"
•                     placeholder="Note Description"></textarea>
•                 </div>
•             </div>
•             <div class="modal-footer d-block mr-auto">
•                 <button type="button" class="btn btn-secondary" data-bs-
dismiss="modal">Close</button>
•                 <button type="submit" class="btn btn-primary">Save
changes</button>
•             </div>
•         </form>
•     </div>
• </div>
• </div>

```

- In the last section of the page, we are using javascript to toggle the modal box if edit button is clicked and a dialog box if a delete button is clicked.

```

<script>
    edits = document.getElementsByClassName('edit')
    Array.from(edits).forEach((element) => {
        element.addEventListener("click", (e) => {
            // console.log("edit",);
            tr = e.target.parentNode.parentNode;
            title = tr.getElementsByTagName("td")[0].innerText;
            description = tr.getElementsByTagName("td")[1].innerText;
            // console.log(title, description);
            titleedit.value = title;
            descedit.value = description;
            snoedit.value = e.target.id;
            console.log(e.target.id);
            var myModalEl = document.getElementById('editmodal')
            var modal = bootstrap.Modal.getOrCreateInstance(myModalEl)
            modal.toggle();
        })
    })
})

```

```

    deletes = document.getElementsByClassName('delete')
    Array.from(deletes).forEach((element) => {
        element.addEventListener("click", (e) => {
            sno = e.target.id.substr(1);

            if (confirm("Press a button")) {
                console.log("yes");
                window.location = `/app5/index.php?delete=${sno}`;
            }
            else {
                console.log("no");
            }
        })
    })
</script>

```

- In the start of this whole page add a php section to create a database connection.

```

• <!-- Database Settings and connection -->
• <?php
• ini_set('display_errors', '0');
•
• $insert = false;
• $update = false;
• $delete = false;
•
• // Connect to the Database
• $servername = "localhost";
• $username = "root";
• $password = "";
• $database = "notes";
•
• 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("Sorry we failed to connect: ". mysqli_connect_error());
• }

```

- Add php code for deleting records from the database.

```

• if (isset($_GET['delete'])) {
•     $sno = $_GET['delete'];
•     $delete = true;
•     $sql = "DELETE FROM `notes` WHERE `sno` = '$sno'";
•     $result = mysqli_query($conn, $sql);
• }

```

- Then the following code is added to check if a post request is made and also if the request is to edit the existing note or to add a new note to the database.

```

• if ($_SERVER['REQUEST_METHOD'] == 'POST') {
•     if(isset($_POST['snoedit']))
•     {
•         // Update the record
•         $sno = $_POST['snoedit'];
•         $title = $_POST['titleedit'];
•         $description = $_POST['descedit'];
•
•         // SQL query for updating
•         $sql = "UPDATE `notes` SET `title` = '$title' , `description` =
'$description' WHERE `notes`.`sno` = $sno";
•
•         $result = mysqli_query($conn, $sql);
•
•         if ($result) {
•             $update = true;
•         }
•         else {
•             echo "No records were updated";
•         }
•     }
•     else {
•         $title = $_POST['title'];
•         $description = $_POST['desc'];
•
•         // SQL query for inserting
•         $sql = "INSERT INTO `notes` (`title`, `description`, `tstamp`) VALUES
('$title', '$description', '2022-02-09 11:58:47')";
•         $result = mysqli_query($conn, $sql);
•
•         if ($result){
•             // echo "Record Inserted";
•             $insert = true;
•         }
•         else {
•             echo "Record not inserted ". mysqli_error($conn);;
•         }
•     }
• }
• }

```

## References

<https://getbootstrap.com/docs/5.1/>

<https://datatables.net/>

<https://releases.jquery.com/>