

Simple To-Do List Web Application Tutorial

This tutorial guides you through creating a simple web application for managing a to-do list. The application will allow users to add tasks, view them in a table, and delete tasks as needed.

Prerequisites

Before you begin, ensure you have the following:

Basic knowledge of HTML, PHP, and MySQL.

A development environment set up with a web server (e.g., Apache), PHP, and MySQL.

Step 1: Create a new database

Database name: todo

Table name: tasks

Number of columns: 2

Step 2: Create an index.php and create a form

Create an HTML form to add tasks. The form should submit data using the POST method to the index.php file.

```
<form action="index.php" method="post">
  <?php if(isset($errors)) { ?>
    <p><?php echo $errors; ?></p>
  <?php } ?>
  <input type="text" name="task" autocomplete="off">
  <button type="submit" name="submit">Add task</button>
</form>
```

Step 3: Connect to the database, Connect to the MySQL database named "todo".

Step 4: Insert the data entered by the user

Handle form submission to insert tasks into the database.

```
$db = mysqli_connect("localhost", "root", "", "todo");

if(isset($_POST['submit'])){
    $task = $_POST['task'];
    if(empty($task)){
        $errors = "You must fill in the task";
    }else{
        mysqli_query($db, "INSERT INTO tasks (task) VALUES ('$task')");
    }
    header("location: index.php");
}

$tasks = mysqli_query($db, "SELECT * FROM tasks");
```

Step 5: Create a table

Display tasks from the database in a table format.

```
<table>
  <thead>
    <tr>
      <td>N</td>
      <td>Task</td>
      <td>Action</td>
    </tr>
  </thead>
  <?php $i = 1; while($row = mysqli_fetch_array($tasks)) { ?>
    <tr>
      <td><?php echo $i; ?></td>
      <td><?php echo $row['task']; ?></td>
      <td>
        <a href="index.php?del_task= <?php echo $row['id']; ?>">Delete</a>
      </td>
    </tr>
  <?php $i++; } ?>
</table>
```

Step 6: Delete data from the database

Handle deletion of tasks from the database.

```
if(isset($_GET['del_task'])){  
    $id = $_GET['del_task'];  
    mysqli_query($db, "DELETE FROM tasks WHERE id='$id'");  
    header("location: index.php");  
}
```

Congrats, you've created the web app!