PHP-MySQL-CRUD-SimpleAll

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$$Pseudo$$

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PHP Connect to MySQL(PDO)

db-config.php

```php
<?php
// w3 MySQL Connect PDO

$servername = "localhost";
$username = "root";
```

```
$password = "";
$db_name = "northwind_t";

try {
  $conn = new PDO("mysql:host=$servername;dbname=$db_name", $username,
$password);
  // set the PDO error mode to exception
  $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
  // echo "Connected successfully";
} catch(PDOException $e) {
  echo "Connection failed: " . $e->getMessage();
}

?>
```

customer list

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-Simple
    customer_list.php
    Teeratus_R
    Edit : 20230109
    */
    session_start();
    require_once "../../config/db-config.php";


?>

<!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>
    <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
    <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    <style>
        thead {
            background-color: #ffc;
        }
    </style>

</head>
<body>

    <h4>Template Filename : customer_list.php</h4>
    <p>05.5050-PHP-MySQL-CRUD-Simple</p>
```

```
    <?php
        print_r($_POST);
        echo "<hr>";
        print_r($_GET);
        echo "<hr>";
        print_r($_SESSION);
        echo "<hr>";
    ?>

    <?php
        if (isset($_SESSION['error'])) {
    ?>
        <div class="alert alert-danger" role="alert">
            <?php
                echo $_SESSION['error'];
                unset($_SESSION['error']);
            ?>
        </div>
    <?php
        }
    ?>
    <?php
        if (isset($_SESSION['success'])) {
    ?>
            <div class="alert alert-success" role="alert">
                <?php
                    echo $_SESSION['success'];
                    unset($_SESSION['success']);
                ?>
            </div>
    <?php
        }
    ?>

    <div class="d-flex gap-3 justify-content-start mb-3">
        <a href="index.php" class="btn btn-primary">Home</a>
        <a href="customer_new.php" class="btn btn-primary">New</a>
        <a href="customer_list.php" class="btn btn-success">List</a>
        <!-- <a href="customer_edit.php" class="btn btn-warning
disabled">Edit</a> -->
    </div>

    <table class="table table-striped table-bordered table-hover">
        <thead>
            <th>CustomerCode1</th>
            <th>CompanyName2</th>
            <th>ContactName</th>
            <th>Address</th>
            <th>City</th>
            <th>Action</th>
            <th>CustomerID</th>
        </thead>
        <tbody>
            <?php
```

```
                $sql_customer =
                "SELECT
                CustomerID,
                CustomerCode,
                CompanyName,
                ContactName,
                Address,
                City
                FROM Customers
                ORDER BY CustomerCode ASC
                ;";
                $stmt = $conn->query($sql_customer);
                $stmt->execute();
                $customer_s = $stmt->fetchAll();
                if (!$customer_s) {
                    echo "<tr><td colspan='7' class='text-center'>No data
found</td></tr>";
                } else {
                    foreach ($customer_s as $customer_data) {
            ?>
                    <tr>
                        <td><?=$customer_data['CustomerCode'];?></td>
                        <td><?=$customer_data['CompanyName'];?></td>
                        <td><?=$customer_data['ContactName'];?></td>
                        <td><?=$customer_data['Address'];?></td>
                        <td><?=$customer_data['City'];?></td>
                        <td><a href="./customer_details.php?CustomerID=<?
=$customer_data['CustomerID'];?>" class="btn btn-warning">Details</a></td>
                        <td><?=$customer_data['CustomerID'];?></td>
                    </tr>
            <?php
                    }
                }
            ?>
        </tbody>
    </table>

    <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
</body>
</html>
```

customer details

customer_details.php

```
<?php
    /*
    customer_details.php
    Teeratus_R
    */
    session_start();
```

```
    require_once "../../config/db-config.php";



    $CustomerID = $_GET['CustomerID'];

?>

<!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>N-Delete</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">
            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";

                $sql_cust =
                "SELECT
                CustomerCode,
                CompanyName,
                ContactName,
                Address,
                City
                FROM Customers
                WHERE CustomerID = $CustomerID
                ;";
                $stmt = $conn->prepare($sql_cust);
                $stmt->execute();
                $Customer_data = $stmt->fetch(PDO::FETCH_ASSOC);

                // $CustomerID              = $Customer_data['CustomerID'];
                $CustomerCode             =
$Customer_data['CustomerCode'];
                $CompanyName             = $Customer_data['CompanyName'];
                $ContactName             = $Customer_data['ContactName'];
                // $x             = $Customer_data['x'];
            ?>
```

```
            <h2 class="text-danger">Delete Customer ?</h2>

            <div class="d-flex gap-3 justify-content-start">
                <!-- <a href="customer_list.php" class="btn btn-
primary">List</a> -->
            </div>

            <div class="row">
                <div class="border col-sm-6 ">
                    <form action="customer_delete_db.php" method="post">
                        <div class="mb-3">
                            <label for="CustomerCode" class="form-
label">CustomerCode</label>
                            <input type="text" class="form-control"
name="CustomerCode" value="<?=$CustomerCode?>">
                        </div>
                        <div class="mb-3">
                            <label for="CompanyName" class="form-
label">CompanyName</label>
                            <input type="text" class="form-control"
name="CompanyName" value="<?=$CompanyName?>">
                        </div>
                        <div class="mb-3">
                            <label for="ContactName" class="form-
label">ContactName</label>
                            <input type="text" class="form-control"
name="ContactName" value="<?=$ContactName?>">
                        </div>
                        <div class="mb-3">
                            <label for="CustomerID" class="form-
label">CustomerID</label>
                            <input type="text" class="form-control"
name="CustomerID" value="<?=$CustomerID?>">
                        </div>




                        <div class="d-flex gap-2 justify-content-start mb-
3">
                            <button type="submit" class="btn btn-
danger">Confirm</button>
                            <a href="./customer_details.php?CustomerID=<?
=$CustomerID?>" class="btn btn-secondary">Cancel</a>

                        </div>
                    </form>
                </div>

            </div>
```

```
        </div>
        <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
    </body>

    </html>
```

customer new

customer_new.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-Simple
    customer_new.php
    Teeratus_R
    Edit : 20221229
    */
    session_start();
    require_once "../../config/db-config.php";

    //  $CustomerID = $_GET['CustomerID'];

?>

<!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>N-Details</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">


            <h2>Template Filename : Create New Customer</h2>

            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";
```

```
            ?>

            <div class="d-flex gap-3 justify-content-start">
                <!-- <a href="customer_list.php" class="btn btn-
primary">List</a> -->
            </div>

            <div class="row">
                <div class="border col-sm-6 ">
                    <form action="customer_new_db.php" method="post">
                        <div class="mb-3">
                            <label for="CustomerCode" class="form-
label">CustomerCode</label>
                            <input type="text" class="form-control"
name="CustomerCode" required>
                        </div>
                        <div class="mb-3">
                            <label for="CompanyName" class="form-
label">CompanyName</label>
                            <input type="text" class="form-control"
name="CompanyName" required>
                        </div>
                        <div class="mb-3">
                            <label for="ContactName" class="form-
label">ContactName</label>
                            <input type="text" class="form-control"
name="ContactName">
                        </div>

                        <div class="d-flex gap-2 justify-content-end mb-3">
                            <button type="submit" class="btn btn-
primary">Submit</button>
                            <a href="./customer_list.php" class="btn btn-
secondary">Cancel</a>
                        </div>

                    </form>
                </div>
                <!-- class="row" -->
            </div>



        </div>
        <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
    </body>

    </html>
```

customer new db

customer_new_db.php

```php
<?php
    /*
    05.5050-PHP-MySQL-CRUD-Simple
    customer_new_db.php
    Teeratus_R
    Edit : 20221229
    */
    session_start();
    require_once '../../config/db-config.php';

    $CustomerCodeRaw    = trim($_POST['CustomerCode']);
    $CustomerCode       = strtoupper($CustomerCodeRaw);
    $CompanyName = $_POST['CompanyName'];
    $ContactName = $_POST['ContactName'];
    $Address = $_POST['Address'];
    $City = $_POST['City'];
    // $x = $_POST['x'];

    try {
        $sql_cust = "INSERT INTO Customers
        (CustomerCode, CompanyName, ContactName)
        VALUES
        (
            '$CustomerCode',
            '$CompanyName',
            '$ContactName'
            -- '$Address',
            -- '$City'
        )";
        $conn->exec($sql_cust);
        $last_id = $conn->lastInsertId();
        $conn = null;
        $_SESSION['success'] = "Data has been updated succesfully";
        // header("location: ./customer_list.php");
        header("location: ./customer_details.php?CustomerID={$last_id}");

    } catch(PDOException $e) {
        // echo $sql . "<br>" . $e->getMessage();

        $_SESSION['error'] = "Data has not been updated succesfully" . $e-
>getMessage();
        header("location: ./customer_list.php");
    }

?>
```

customer edit

customer_edit.php

```php
<?php
    /*
    05.5050-PHP-MySQL-CRUD-Simple
    customer_edit.php
    Teeratus_R
    Edit : 20230109
    */
    session_start();
    require_once "../../config/db-config.php";
    $CustomerID = $_GET['CustomerID'];

?>

<!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>N-Details</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">
            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";
            ?>

                <h2>Edit Customer</h2>

                <?php
                    $sql_customer =
                    "SELECT
                    CustomerID,
                    CustomerCode,
                    CompanyName,
                    ContactName,
                    Address,
                    City
                    FROM Customers
                    WHERE CustomerID = $CustomerID
                    ;";
```

```
                    $stmt = $conn->query($sql_customer);
                    $stmt->execute();
                    $customer = $stmt->fetch();


                    $CustomerCode = $customer['CustomerCode'];
                    $CompanyName = $customer['CompanyName'];
                    $ContactName = $customer['ContactName'];
                    $Address = $customer['Address'];
                    $City = $customer['City'];
                ?>

                <div class="d-flex gap-3 justify-content-start mb-3">
                    <a href="customer_list.php" class="btn btn-
primary">List</a>
                </div>

                <div class="row">
                    <div class="border col-sm-6">
                        <form action="customer_edit_db.php" method="post">
                            <input type="hidden" name="CustomerID" value="
<?=$CustomerID?>">
                            <div class="mb-3">
                                <label for="CustomerCode" class="form-
label">CustomerCode</label>
                                <input type="text" class="form-control"
name="CustomerCode" value="<?=$CustomerCode?>">
                            </div>
                            <div class="mb-3">
                                <label for="CompanyName" class="form-
label">CompanyName</label>
                                <input type="text" class="form-control"
name="CompanyName" value="<?=$CompanyName?>">
                            </div>
                            <div class="mb-3">
                                <label for="ContactName" class="form-
label">ContactName</label>
                                <input type="text" class="form-control"
name="ContactName" value="<?=$ContactName?>">
                            </div>
                            <div class="mb-3">
                                <label for="Address" class="form-
label">Address</label>
                                <input type="text" class="form-control"
name="Address" value="<?=$Address?>">
                            </div>
                            <div class="mb-3">
                                <label for="City" class="form-
label">City</label>
                                <input type="text" class="form-control"
name="City" value="<?=$City?>">
                            </div>
```

```
                            <div class="d-flex gap-2 justify-content-end
mb-3">
                                <button type="submit" class="btn btn-
primary">Submit</button>
                                <a href="./customer_details.php?CustomerID=
<?=$CustomerID?>" class="btn btn-secondary">Cancel</a>
                            </div>
                        </form>
                    </div>

                </div>


                <script src="../../bootstrap/bootstrap.bundle.min.js">
</script>
        </div>
    </body>

    </html>
```

customer edit db

customer_edit_db.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-Simple
    customer_edit_db.php
    Teeratus_R
    Edit : 20230109
    */

    session_start();
    require_once "../../config/db-config.php";

    $CustomerID = $_POST['CustomerID'];
    $CustomerCodeRaw = trim($_POST['CustomerCode']);
    $CustomerCode = strtoupper($CustomerCodeRaw);
    $CompanyName = $_POST['CompanyName'];
    $ContactName = $_POST['ContactName'];
    $Address = $_POST['Address'];
    $City = $_POST['City'];


    // try {
    //     // Prepare statement
    //     $stmt = $conn->prepare($sql_customer);
    //     // execute the query
    //     $stmt->execute();
    //     echo $stmt->rowCount() . " records UPDATED successfully";
    // } catch (PDOException $e) {
```

```
    //     echo $sql_costomer . "<br>" . $e->getMessage();
    // }

    try {
        $sql_customer = "UPDATE Customers
        SET
        CustomerCode = '$CustomerCode',
        CompanyName = '$CompanyName',
        ContactName = '$ContactName',
        Address = '$Address',
        City = '$City'

        WHERE CustomerID = '$CustomerID';";
        $stmt = $conn->prepare($sql_customer);
        $stmt->execute();
        $conn = null;
        $_SESSION['success'] = "Data has been updated succesfully";
        header("location: ./customer_details.php?CustomerID=
{$CustomerID}");

    } catch(PDOException $e) {
        // echo $sql . "<br>" . $e->getMessage();

        $_SESSION['error'] = "Data has not been updated succesfully". $e-
>getMessage();
        header("location: ./customer_list.php");
    }


   // header("location: ./manage_customer.php?CustomerID={$CustomerID}");

?>
```

customer delete

customer_delete.php

```
<?php
    /*
    customer_delete.php
    Teeratus_R
    */
    session_start();
    require_once "../../config/db-config.php";

    $CustomerID = $_GET['CustomerID'];

?>

<!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>N-Delete</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">
            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";

                $sql_cust =
                "SELECT
                CustomerCode,
                CompanyName,
                ContactName,
                Address,
                City
                FROM Customers
                WHERE CustomerID = $CustomerID
                ;";
                $stmt = $conn->prepare($sql_cust);
                $stmt->execute();
                $Customer_data = $stmt->fetch(PDO::FETCH_ASSOC);

                // $CustomerID              = $Customer_data['CustomerID'];
                $CustomerCode             =
$Customer_data['CustomerCode'];
                $CompanyName             = $Customer_data['CompanyName'];
                $ContactName             = $Customer_data['ContactName'];
                // $x             = $Customer_data['x'];
            ?>

            <h2 class="text-danger">Delete Customer ?</h2>

            <div class="d-flex gap-3 justify-content-start">
                <!-- <a href="customer_list.php" class="btn btn-
primary">List</a> -->
            </div>

            <div class="row">
                <div class="border col-sm-6 ">
                    <form action="customer_delete_db.php" method="post">
```

```
                        <div class="mb-3">
                            <label for="CustomerCode" class="form-
label">CustomerCode</label>
                            <input type="text" class="form-control"
name="CustomerCode" value="<?=$CustomerCode?>">
                        </div>
                        <div class="mb-3">
                            <label for="CompanyName" class="form-
label">CompanyName</label>
                            <input type="text" class="form-control"
name="CompanyName" value="<?=$CompanyName?>">
                        </div>
                        <div class="mb-3">
                            <label for="ContactName" class="form-
label">ContactName</label>
                            <input type="text" class="form-control"
name="ContactName" value="<?=$ContactName?>">
                        </div>
                        <div class="mb-3">
                            <label for="CustomerID" class="form-
label">CustomerID</label>
                            <input type="text" class="form-control"
name="CustomerID" value="<?=$CustomerID?>">
                        </div>

                        <div class="d-flex gap-2 justify-content-start mb-
3">
                            <button type="submit" class="btn btn-
danger">Confirm</button>
                            <a href="./customer_details.php?CustomerID=<?
=$CustomerID?>" class="btn btn-secondary">Cancel</a>

                        </div>
                    </form>
                </div>

            </div>

        </div>
        <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
    </body>

    </html>
```

customer delete db

customer_delete_db.php

```
<?php
    // customer_delete_db.php
    session_start();
```

```
    require_once "../../config/db-config.php";

    $CustomerID = $_POST['CustomerID'];
    // $CustomerID = 97;

    // $x = $_POST['x'];
    print_r($CustomerID);

    try {

        // sql to delete a record
        $sql_cust = "DELETE FROM Customers
        WHERE CustomerID = $CustomerID
        ;";
        // use exec() because no results are returned
        $conn->exec($sql_cust);
        $conn = null;

        $_SESSION['success'] = "Data has been updated succesfully";
        header("location: ./customer_list.php");
        // echo "Record deleted successfully";
    } catch(PDOException $e) {
        // echo $sql_cust . "<br>" . $e->getMessage();

        $_SESSION['error'] = "Data has not been updated succesfully";
        header("location: ./customer_list.php");
        // header("location: ./customer_list.php?id={$service_orders_id}");

    }



?>
```

product list

product_list.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    product_list.php
    Teeratus_R
    Edit : 20230110
    */
    session_start();
    require_once "../../config/db-config.php";

?>

<!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>
    <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
    <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    <style>
        thead {
            background-color: #ffc;
        }
    </style>

</head>
<body>

    <h4>Template Filename : product_list.php</h4>
    <p>05.5050-PHP-MySQL-CRUD-SimpleAll</p>
    <?php
        print_r($_POST);
        echo "<hr>";
        print_r($_GET);
        echo "<hr>";
        print_r($_SESSION);
        echo "<hr>";
    ?>

    <?php
        if (isset($_SESSION['error'])) {
    ?>
        <div class="alert alert-danger" role="alert">
            <?php
                echo $_SESSION['error'];
                unset($_SESSION['error']);
            ?>
        </div>
    <?php
        }
    ?>
    <?php
        if (isset($_SESSION['success'])) {
    ?>
            <div class="alert alert-success" role="alert">
                <?php
                    echo $_SESSION['success'];
                    unset($_SESSION['success']);
                ?>
            </div>
    <?php
        }
    ?>
```

```
    <div class="d-flex gap-3 justify-content-start mb-3">
        <a href="index.php" class="btn btn-primary">Home</a>
        <a href="product_new.php" class="btn btn-primary">New</a>
        <a href="product_list.php" class="btn btn-success">List</a>
        <!-- <a href="product_edit.php" class="btn btn-warning
disabled">Edit</a> -->
    </div>

    <table class="table table-striped table-bordered table-hover">
        <thead>
            <th>ProductName</th>
            <th>SupplierID</th>
            <th>SupplierName</th>
            <th>CategoryID</th>
            <th>CategoryName</th>
            <th>QuantityPerUnit</th>
            <th>UnitPrice</th>
            <th>UnitInstock</th>
            <th>Action</th>
            <th>ProductID</th>
        </thead>
        <tbody>
            <?php
                $sql_product =
                "SELECT
                ProductID,
                ProductName,
                Products.SupplierID,
                Suppliers.CompanyName,
                Products.CategoryID,
                Categories.CategoryName,
                QuantityPerUnit,
                UnitPrice,
                UnitsInStock
                FROM Products
                LEFT JOIN Suppliers
                ON Products.SupplierID = Suppliers.SupplierID
                LEFT JOIN Categories
                ON Products.CategoryID = Categories.CategoryID

                WHERE Discontinued != 1

                ORDER BY ProductID ASC
                ;";
                $stmt = $conn->query($sql_product);
                $stmt->execute();
                $array_product = $stmt->fetchAll();
                if (!$array_product) {
                    echo "<tr><td colspan='8' class='text-center'>No data
found</td></tr>";
                } else {
                    foreach ($array_product as $product_data) {
            ?>
                    <tr>
```

```
                        <td><?=$product_data['ProductName'];?></td>

                        <td><?=$product_data['SupplierID'];?></td>
                        <td><?=$product_data['CompanyName'];?></td>
                        <td><?=$product_data['CategoryID'];?></td>
                        <td><?=$product_data['CategoryName'];?></td>
                        <td><?=$product_data['QuantityPerUnit'];?></td>
                        <td><?=$product_data['UnitPrice'];?></td>
                        <td><?=$product_data['UnitsInStock'];?></td>
                        <td><a href="./product_details.php?ProductID=<?
=$product_data['ProductID'];?>" class="btn btn-warning">Details</a></td>
                        <td><?=$product_data['ProductID'];?></td>
                    </tr>
            <?php
                    }
                }
            ?>
        </tbody>
    </table>

    <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
</body>
</html>
```

product details

product_details.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    product_details.php
    Teeratus_R
    Edit : 20230111
    */
    session_start();
    require_once "../../config/db-config.php";




    $ProductID = $_GET['ProductID'];

?>

    <!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>Details</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">
            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";
            ?>

            <h2>Details</h2>

            <?php
                if (isset($_SESSION['error'])) {
            ?>
                <div class="alert alert-danger" role="alert">
                    <?php
                        echo $_SESSION['error'];
                        unset($_SESSION['error']);
                    ?>
                </div>
            <?php
                }
            ?>
            <?php
                if (isset($_SESSION['success'])) {
            ?>
                    <div class="alert alert-success" role="alert">
                        <?php
                            echo $_SESSION['success'];
                            unset($_SESSION['success']);
                        ?>
                    </div>
            <?php
                }
            ?>

            <?php
                $sql_product =
                "SELECT
                ProductID,
                ProductName,
                Products.SupplierID,
                Suppliers.CompanyName,
                Products.CategoryID,
```

```
                Categories.CategoryName,
                QuantityPerUnit, UnitPrice, UnitsInStock,
                UnitsOnOrder, ReorderLevel, Discontinued
                FROM Products
                LEFT JOIN Suppliers
                ON Products.SupplierID = Suppliers.SupplierID
                LEFT JOIN Categories
                ON Products.CategoryID = Categories.CategoryID
                WHERE ProductID = '$ProductID'
                ;";
                $stmt = $conn->query($sql_product);
                $stmt->execute();
                $product = $stmt->fetch();


                // $ProductID = $product['ProductID'];
                $ProductName = $product['ProductName'];
                $SupplierID = $product['SupplierID'];
                $CompanyName = $product['CompanyName'];

                $CategoryID = $product['CategoryID'];
                $CategoryName = $product['CategoryName'];

                $QuantityPerUnit = $product['QuantityPerUnit'];
                $UnitPrice = $product['UnitPrice'];
                $UnitsInStock = $product['UnitsInStock'];
                $UnitsOnOrder = $product['UnitsOnOrder'];
                $ReorderLevel = $product['ReorderLevel'];
                $Discontinued = $product['Discontinued'];

            ?>

            <div class="d-flex gap-2 justify-content-start">
                <a href="index.php" class="btn btn-primary">Home</a>
                <a href="product_new.php" class="btn btn-primary">New</a>
                <a href="product_list.php" class="btn btn-success">List</a>
                <a href="product_edit.php?ProductID=<?=$ProductID?>"
class="btn btn-warning">Edit</a>
                <a href="product_delete.php?ProductID=<?=$ProductID?>"
class="btn btn-danger">Delete</a>

            </div>

            <form action="" method="post">
                <!-- ProductName ProductID -->
                <div class="row">
                    <div class="col-lg-10 col-sm-12">
                        <label for="ProductName" class="form-
label">ProductName</label>
                        <input type="text" class="form-control"
name="ProductName" value="<?=$ProductName;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="ProductID" class="form-
```

```
label">ProductID</label>
                        <input type="text" class="form-control"
name="ProductID" value="<?=$ProductID;?>">
                    </div>
                </div>
                <!-- /ProductName ProductID -->

                <!-- SupplierID CategoryID -->
                <div class="row">
                    <div class="col-lg-2 col-sm-12">
                        <label for="SupplierID" class="form-
label">SupplierID</label>
                        <input type="text" class="form-control"
name="SupplierID" value="<?=$SupplierID;?>">
                    </div>
                    <div class="col-lg-4 col-sm-12">
                        <label for="CompanyName" class="form-
label">CompanyName</label>
                        <input type="text" class="form-control"
name="CompanyName" value="<?=$CompanyName;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="CategoryID" class="form-
label">CategoryID</label>
                        <input type="text" class="form-control"
name="CategoryID" value="<?=$CategoryID;?>">
                    </div>
                    <div class="col-lg-4 col-sm-12">
                        <label for="CategoryName" class="form-
label">CategoryName</label>
                        <input type="text" class="form-control"
name="CategoryName" value="<?=$CategoryName;?>">
                    </div>
                </div>
                <!-- /SupplierID CategoryID -->

                <!-- QuantityPerUnit, UnitPrice, UnitsInStock,
UnitsOnOrder, ReorderLevel, Discontinued -->
                <div class="row">
                    <div class="col-lg-3 col-sm-12">
                        <label for="QuantityPerUnit" class="form-
label">QuantityPerUnit</label>
                        <input type="text" class="form-control"
name="QuantityPerUnit" value="<?=$QuantityPerUnit;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="UnitPrice" class="form-
label">UnitPrice</label>
                        <input type="text" class="form-control"
name="UnitPrice" value="<?=$UnitPrice;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="UnitsInStock" class="form-
label">UnitsInStock</label>
```

```
                        <input type="text" class="form-control"
name="UnitsInStock" value="<?=$UnitsInStock;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="UnitsOnOrder" class="form-
label">UnitsOnOrder</label>
                        <input type="text" class="form-control"
name="UnitsOnOrder" value="<?=$UnitsOnOrder;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="ReorderLevel" class="form-
label">ReorderLevel</label>
                        <input type="text" class="form-control"
name="ReorderLevel" value="<?=$ReorderLevel;?>">
                    </div>
                    <div class="col-lg-1 col-sm-12">
                        <label for="Discontinued" class="form-
label">Discontinued</label>
                        <input type="text" class="form-control"
name="Discontinued" value="<?=$Discontinued;?>">
                    </div>
                </div>
                <!-- /QuantityPerUnit, UnitPrice, UnitsInStock,
UnitsOnOrder, ReorderLevel, Discontinued -->

                <div class="d-flex gap-2 justify-content-end">
                    <!-- <a href="product_edit_db.php?ProductID=<?
=$ProductID?>" class="btn btn-warning">Update</a> -->
                    <!-- <a href="product_details.php?ProductID=<?
=$ProductID?>" class="btn btn-warning">Cancel</a> -->
                </div>
            </form>


            <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
        </div>
    </body>

    </html>
```

product new

product_new.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-Simple
    product_new.php
    Teeratus_R
    Edit : 20221229
    */
```

```
    session_start();
    require_once "../../config/db-config.php";

    //  $ProductID = $_GET['ProductID'];

?>

<!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>N-Details</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">


            <h2>Template Filename : Create New Product</h2>

            <div class="d-flex gap-2 justify-content-start">
                <a href="index.php" class="btn btn-primary">Home</a>
                <a href="product_new.php" class="btn btn-primary">New</a>
                <a href="product_list.php" class="btn btn-success">List</a>
                <!-- <a href="product_edit.php?ProductID=<?=$ProductID?>"
class="btn btn-warning">Edit</a> -->
                <!-- <a href="product_delete.php?ProductID=<?=$ProductID?>"
class="btn btn-danger">Delete</a> -->
            </div>

            <div class="row">
                <form action="product_new_db.php" method="post">
                    <!-- ProductName ProductID -->
                    <div class="row">
                        <div class="col-lg-10 col-sm-12">
                            <label for="ProductName" class="form-
label">ProductName</label>
                            <input type="text" class="form-control"
name="ProductName" required>
                        </div>
                        <!-- <div class="col-lg-2 col-sm-12">
                            <label for="ProductID" class="form-
label">ProductID</label>
                            <input type="text" class="form-control"
name="ProductID">
                        </div> -->
                    </div>
```

```
                    <!-- /ProductName ProductID -->

                    <!-- SupplierID CategoryID -->
                    <div class="row">
                        <div class="col-lg-6 col-sm-12">
                            <label for="SupplierID" class="form-
label">SupplierID - CompanyName</label>
                            <!-- <input type="text" class="form-control"
name="SupplierID" value="<?=$SupplierID;?>"> -->
                            <select name="SupplierID" class="form-select"
required>

                                <option>
                                    Select Supplier
                                </option>
                                <?php
                                    // SQL for new select data
                                    $sql_suppliers = "SELECT SupplierID,
CompanyName
                                    FROM Suppliers
                                    ORDER BY CompanyName ASC
                                    ;";

                                    $stmt = $conn->query($sql_suppliers);
                                    $stmt->execute();
                                    $SupplierQuery = $stmt->fetchAll();

                                    foreach ($SupplierQuery as
$SupplierResult) {
                                ?>

                                <option value="<?php echo
$SupplierResult['SupplierID'];?>">
                                    <?php echo
$SupplierResult['SupplierID'];?>
                                    <?php echo
$SupplierResult['CompanyName'];?>
                                </option>

                                <?php
                                    }
                                ?>

                            </select>
                        </div>

                        <div class="col-lg-6 col-sm-12">
                            <label for="CategoryID" class="form-
label">CategoryID - CategoryName</label>
                            <select name="CategoryID" class="form-control
form-select">

                                <option>
                                    Select Category
```

```
                                    </option>

                                    <?php
                                        // SQL for new select data
                                        $sql_Category = "SELECT CategoryID,
CategoryName
                                        FROM Categories
                                        ORDER BY CategoryName ASC
                                        ;";

                                        $stmt = $conn->query($sql_Category);
                                        $stmt->execute();
                                        $CategoryQuery = $stmt->fetchAll();

                                        foreach ($CategoryQuery as
$CategoryResult) {
                                    ?>

                                    <option value="<?php echo
$CategoryResult['CategoryID'];?>">
                                        <?php echo
$CategoryResult['CategoryID'];?>
                                        <?php echo
$CategoryResult['CategoryName'];?>
                                    </option>

                                    <?php
                                        }
                                    ?>

                                </select>
                            </div>

                        </div>
                        <!-- /SupplierID CategoryID -->

                        <!-- QuantityPerUnit, UnitPrice, UnitsInStock,
UnitsOnOrder, ReorderLevel, Discontinued -->
                        <div class="row">
                            <div class="col-lg-3 col-sm-12">
                                <label for="QuantityPerUnit" class="form-
label">QuantityPerUnit</label>
                                <input type="text" class="form-control"
name="QuantityPerUnit">
                            </div>
                            <div class="col-lg-2 col-sm-12">
                                <label for="UnitPrice" class="form-
label">UnitPrice</label>
                                <input type="number" class="form-control"
name="UnitPrice" required>
                            </div>
                            <div class="col-lg-2 col-sm-12">
                                <label for="UnitsInStock" class="form-
label">UnitsInStock</label>
```

```
                            <input type="number" class="form-control"
name="UnitsInStock" required placeholder="ถ้าไม่ทราบใส่ 0">
                        </div>
                        <div class="col-lg-2 col-sm-12">
                            <label for="UnitsOnOrder" class="form-
label">UnitsOnOrder</label>
                            <input type="number" class="form-control"
name="UnitsOnOrder" required placeholder="ถ้าไม่ทราบใส่ 0">
                        </div>
                        <div class="col-lg-2 col-sm-12">
                            <label for="ReorderLevel" class="form-
label">ReorderLevel</label>
                            <input type="number" class="form-control"
name="ReorderLevel" required placeholder="ถ้าไม่ทราบใส่ 0">
                        </div>

                    </div>
                    <div class="row">
                        <div class="col-lg-3 col-sm-12">
                            <label for="Discontinued" class="form-
label">Discontinued</label>
                            <select name="Discontinued" class="form-control
form-select">
                                <option value="0">Active</option>
                                <option value="1">Discontinued</option>
                            </select>
                        </div>
                    </div>
                    <!-- /QuantityPerUnit, UnitPrice, UnitsInStock,
UnitsOnOrder, ReorderLevel, Discontinued -->

                    <div class="d-flex gap-2 justify-content-end m-3">
                        <button type="submit" class="btn btn-
success">Update</button>
                        <a href="product_details.php?ProductID=<?
=$ProductID?>" class="btn btn-secondary">Cancel</a>
                    </div>
                </form>
                <!-- /class="row" -->
            </div>



        </div>
        <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
    </body>

    </html>
```

product new db

product_new_db.php

```php
<?php
    /*
    05.5050-PHP-MySQL-CRUD-Simple
    product_new_db.php
    Teeratus_R
    Edit : 20230111
    */

    session_start();
    require_once "../../config/db-config.php";

    $ProductID = $_POST['ProductID'];

    $ProductName  = $_POST['ProductName'];
    $SupplierID = $_POST['SupplierID'];
    $CategoryID = $_POST['CategoryID'];
    $QuantityPerUnit = $_POST['QuantityPerUnit'];
    $UnitPrice = $_POST['UnitPrice'];
    $UnitsInStock = $_POST['UnitsInStock'];
    $UnitsOnOrder = $_POST['UnitsOnOrder'];
    $ReorderLevel = $_POST['ReorderLevel'];
    $Discontinued = $_POST['Discontinued'];

    try {
        $sql_product = "INSERT INTO Products
        (
        ProductName,
        SupplierID,
        CategoryID,
        QuantityPerUnit,
        UnitPrice,
        UnitsInStock,
        UnitsOnOrder,
        ReorderLevel,
        Discontinued
        )
        VALUE
        (
        '$ProductName',
        '$SupplierID',
        '$CategoryID',
        '$QuantityPerUnit',
        '$UnitPrice',
        '$UnitsInStock',
        '$UnitsOnOrder',
        '$ReorderLevel',
        '$Discontinued'
        )
        ;";

        $conn->exec($sql_product);
        $last_id = $conn->lastInsertId();
```

```
        $conn = null;

        $_SESSION['success'] = "Data has been updated succesfully";
        header("location: ./product_details.php?ProductID={$last_id}");

    } catch(PDOException $e) {
        // echo $sql . "<br>" . $e->getMessage();

        $_SESSION['error'] = "Data has not been updated succesfully". $e-
>getMessage();
        header("location: ./product_list.php");
    }


   // header("location: ./manage_product.php?ProductID={$ProductID}");

?>
```

product edit

product_edit.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    product_edit.php
    Teeratus_R
    Edit : 20230111
    */
    session_start();
    require_once "../../config/db-config.php";

    $ProductID = $_GET['ProductID'];

?>

    <!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>Edit</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
```

```
        <div class="container">
            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";
            ?>

            <h2>Edit</h2>

            <?php
                if (isset($_SESSION['error'])) {
            ?>
                <div class="alert alert-danger" role="alert">
                    <?php
                        echo $_SESSION['error'];
                        unset($_SESSION['error']);
                    ?>
                </div>
            <?php
                }
            ?>
            <?php
                if (isset($_SESSION['success'])) {
            ?>
                    <div class="alert alert-success" role="alert">
                        <?php
                            echo $_SESSION['success'];
                            unset($_SESSION['success']);
                        ?>
                    </div>
            <?php
                }
            ?>

            <?php
                $sql_product =
                "SELECT
                ProductID,
                ProductName,
                Products.SupplierID,
                Suppliers.CompanyName,
                Products.CategoryID,
                Categories.CategoryName,
                QuantityPerUnit, UnitPrice, UnitsInStock,
                UnitsOnOrder, ReorderLevel, Discontinued
                FROM Products
                LEFT JOIN Suppliers
                ON Products.SupplierID = Suppliers.SupplierID
                LEFT JOIN Categories
                ON Products.CategoryID = Categories.CategoryID
                WHERE ProductID = '$ProductID'
```

```
                ;";
                $stmt = $conn->query($sql_product);
                $stmt->execute();
                $product = $stmt->fetch();


                // $ProductID = $product['ProductID'];
                $ProductName = $product['ProductName'];
                $SupplierID = $product['SupplierID'];
                $CompanyName = $product['CompanyName'];

                $CategoryID = $product['CategoryID'];
                $CategoryName = $product['CategoryName'];

                $QuantityPerUnit = $product['QuantityPerUnit'];
                $UnitPrice = $product['UnitPrice'];
                $UnitsInStock = $product['UnitsInStock'];
                $UnitsOnOrder = $product['UnitsOnOrder'];
                $ReorderLevel = $product['ReorderLevel'];
                $Discontinued = $product['Discontinued'];

            ?>

            <div class="d-flex gap-2 justify-content-start">
                <a href="index.php" class="btn btn-primary">Home</a>
                <a href="product_new.php" class="btn btn-primary">New</a>
                <a href="product_list.php" class="btn btn-success">List</a>
                <a href="product_edit.php?ProductID=<?=$ProductID?>"
class="btn btn-warning">Edit</a>
                <a href="product_delete.php?ProductID=<?=$ProductID?>"
class="btn btn-danger">Delete</a>

            </div>

            <form action="product_edit_db.php" method="post">
                <!-- ProductName ProductID -->
                <div class="row">
                    <div class="col-lg-10 col-sm-12">
                        <label for="ProductName" class="form-
label">ProductName</label>
                        <input type="text" class="form-control"
name="ProductName" value="<?=$ProductName;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="ProductID" class="form-
label">ProductID</label>
                        <input type="text" class="form-control"
name="ProductID" value="<?=$ProductID;?>" readonly>
                    </div>
                </div>
                <!-- /ProductName ProductID -->

                <!-- SupplierID CategoryID -->
                <div class="row">
```

```
                    <div class="col-lg-6 col-sm-12">
                        <label for="SupplierID" class="form-
label">SupplierID - CompanyName</label>
                        <!-- <input type="text" class="form-control"
name="SupplierID" value="<?=$SupplierID;?>"> -->
                        <select name="SupplierID" class="form-control form-
select">
                            <?php
                                // SQL selected data
                                if (isset($product['SupplierID'])) {
                                    // $SupplierID =
$product['SupplierID'];
                                    // $CompanyName =
$product['CompanyName'];

                                } else {
                                    $CompanyName = "N/A";
                                }
                            ?>
                            <option value="<?=$SupplierID;?>">
                                <?php echo $SupplierID." ".$CompanyName;?>
                            </option>
                            <?php
                                // SQL for new select data
                                $sql_suppliers = "SELECT SupplierID,
CompanyName
                                FROM Suppliers
                                ORDER BY CompanyName ASC
                                ;";

                                $stmt = $conn->query($sql_suppliers);
                                $stmt->execute();
                                $SupplierQuery = $stmt->fetchAll();

                                foreach ($SupplierQuery as $SupplierResult)
{
                            ?>

                            <option value="<?php echo
$SupplierResult['SupplierID'];?>">
                                <?php echo $SupplierResult['SupplierID'];?>
                                <?php echo $SupplierResult['CompanyName'];?
>
                            </option>

                            <?php
                                }
                            ?>

                        </select>
                    </div>

                    <div class="col-lg-6 col-sm-12">
                        <label for="CategoryID" class="form-
```

```
label">CategoryID - CategoryName</label>
                        <select name="CategoryID" class="form-control form-
select">
                            <?php
                                // SQL selected data
                                if (isset($product['CategoryID'])) {
                                    // $CategoryID =
$product['CategoryID'];
                                    // $CategoryName =
$product['CategoryName'];

                                } else {
                                    $CategoryName = "N/A";
                                }
                            ?>
                            <option value="<?=$CategoryID;?>">
                                <?php echo $CategoryID." ".$CategoryName;?>
                            </option>

                            <?php
                                // SQL for new select data
                                $sql_Category = "SELECT CategoryID,
CategoryName
                                FROM Categories
                                ORDER BY CategoryName ASC
                                ;";

                                $stmt = $conn->query($sql_Category);
                                $stmt->execute();
                                $CategoryQuery = $stmt->fetchAll();

                                foreach ($CategoryQuery as $CategoryResult)
{
                            ?>

                            <option value="<?php echo
$CategoryResult['CategoryID'];?>">
                                <?php echo $CategoryResult['CategoryID'];?>
                                <?php echo
$CategoryResult['CategoryName'];?>
                            </option>

                            <?php
                                }
                            ?>

                        </select>
                    </div>

                </div>
                <!-- /SupplierID CategoryID -->

                <!-- QuantityPerUnit, UnitPrice, UnitsInStock,
UnitsOnOrder, ReorderLevel, Discontinued -->
```

```
                <div class="row">
                    <div class="col-lg-3 col-sm-12">
                        <label for="QuantityPerUnit" class="form-
label">QuantityPerUnit</label>
                        <input type="text" class="form-control"
name="QuantityPerUnit" value="<?=$QuantityPerUnit;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="UnitPrice" class="form-
label">UnitPrice</label>
                        <input type="text" class="form-control"
name="UnitPrice" value="<?=$UnitPrice;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="UnitsInStock" class="form-
label">UnitsInStock</label>
                        <input type="text" class="form-control"
name="UnitsInStock" value="<?=$UnitsInStock;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="UnitsOnOrder" class="form-
label">UnitsOnOrder</label>
                        <input type="text" class="form-control"
name="UnitsOnOrder" value="<?=$UnitsOnOrder;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="ReorderLevel" class="form-
label">ReorderLevel</label>
                        <input type="text" class="form-control"
name="ReorderLevel" value="<?=$ReorderLevel;?>">
                    </div>
                    <div class="col-lg-1 col-sm-12">
                        <label for="Discontinued" class="form-
label">Discontinued</label>
                        <input type="text" class="form-control"
name="Discontinued" value="<?=$Discontinued;?>">
                    </div>
                </div>
                <!-- /QuantityPerUnit, UnitPrice, UnitsInStock,
UnitsOnOrder, ReorderLevel, Discontinued -->

                <div class="d-flex gap-2 justify-content-end m-3">
                    <button type="submit" class="btn btn-
success">Update</button>
                    <a href="product_details.php?ProductID=<?=$ProductID?>"
class="btn btn-secondary">Cancel</a>
                </div>
            </form>

            <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
        </div>
    </body>
```

```
    </html>
```

product edit db

product_edit_db.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-Simple
    product_edit_db.php
    Teeratus_R
    Edit : 20230111
    */

    session_start();
    require_once "../../config/db-config.php";

    $ProductID = $_POST['ProductID'];

    $ProductName  = $_POST['ProductName'];
    $SupplierID = $_POST['SupplierID'];
    $CategoryID = $_POST['CategoryID'];
    $QuantityPerUnit = $_POST['QuantityPerUnit'];
    $UnitPrice = $_POST['UnitPrice'];
    $UnitsInStock = $_POST['UnitsInStock'];
    $UnitsOnOrder = $_POST['UnitsOnOrder'];
    $ReorderLevel = $_POST['ReorderLevel'];
    $Discontinued = $_POST['Discontinued'];

    try {
        $sql_product = "INSERT INTO Products
        (
        ProductName,
        SupplierID,
        CategoryID,
        QuantityPerUnit,
        UnitPrice,
        UnitsInStock,
        UnitsOnOrder,
        ReorderLevel,
        Discontinued
        )
        VALUE
        (
        '$ProductName',
        '$SupplierID',
        '$CategoryID',
        '$QuantityPerUnit',
        '$UnitPrice',
        '$UnitsInStock',
```

```
            '$UnitsOnOrder',
            '$ReorderLevel',
            '$Discontinued'
            )
            ;";

            $conn->exec($sql_product);
            $last_id = $conn->lastInsertId();
            $conn = null;

            $_SESSION['success'] = "Data has been updated succesfully";
            header("location: ./product_details.php?ProductID={$last_id}");

        } catch(PDOException $e) {
            // echo $sql . "<br>" . $e->getMessage();

            $_SESSION['error'] = "Data has not been updated succesfully". $e-
>getMessage();
            header("location: ./product_list.php");
        }


       // header("location: ./manage_product.php?ProductID={$ProductID}");

    ?>
```

product delete

product_delete.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    product_delete.php
    Teeratus_R
    Edit : 20230111
    */
    session_start();
    require_once "../../config/db-config.php";


    $ProductID = $_GET['ProductID'];

?>

    <!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>Delete</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">
            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";
            ?>

            <h2 class="bg-danger p-3 text-white">Delete [Pseudo]</h2>

            <?php
                $sql_product =
                "SELECT
                ProductID,
                ProductName,
                Products.SupplierID,
                Suppliers.CompanyName,
                Products.CategoryID,
                Categories.CategoryName,
                QuantityPerUnit, UnitPrice, UnitsInStock,
                UnitsOnOrder, ReorderLevel, Discontinued
                FROM Products
                LEFT JOIN Suppliers
                ON Products.SupplierID = Suppliers.SupplierID
                LEFT JOIN Categories
                ON Products.CategoryID = Categories.CategoryID
                WHERE ProductID = '$ProductID'
                ;";
                $stmt = $conn->query($sql_product);
                $stmt->execute();
                $product = $stmt->fetch();


                // $ProductID = $product['ProductID'];
                $ProductName = $product['ProductName'];
                $SupplierID = $product['SupplierID'];
                $CompanyName = $product['CompanyName'];

                $CategoryID = $product['CategoryID'];
                $CategoryName = $product['CategoryName'];

                $QuantityPerUnit = $product['QuantityPerUnit'];
                $UnitPrice = $product['UnitPrice'];
```

```
                $UnitsInStock = $product['UnitsInStock'];
                $UnitsOnOrder = $product['UnitsOnOrder'];
                $ReorderLevel = $product['ReorderLevel'];
                $Discontinued = $product['Discontinued'];

            ?>

            <div class="d-flex gap-2 justify-content-start">
                <a href="index.php" class="btn btn-primary">Home</a>
                <a href="product_new.php" class="btn btn-primary">New</a>
                <a href="product_list.php" class="btn btn-success">List</a>
                <a href="product_edit.php?ProductID=<?=$ProductID?>"
class="btn btn-warning">Edit</a>
                <a href="product_delete.php?ProductID=<?=$ProductID?>"
class="btn btn-danger">Delete</a>
            </div>

            <form action="product_delete_db.php" method="post">
                <!-- ProductName ProductID -->
                <div class="row">
                    <div class="col-lg-10 col-sm-12">
                        <label for="ProductName" class="form-
label">ProductName</label>
                        <input type="text" class="form-control"
name="ProductName" value="<?=$ProductName;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="ProductID" class="form-
label">ProductID</label>
                        <input type="text" class="form-control"
name="ProductID" value="<?=$ProductID;?>">
                    </div>
                </div>
                <!-- /ProductName ProductID -->

                <!-- SupplierID CategoryID -->
                <div class="row">
                    <div class="col-lg-2 col-sm-12">
                        <label for="SupplierID" class="form-
label">SupplierID</label>
                        <input type="text" class="form-control"
name="SupplierID" value="<?=$SupplierID;?>">
                    </div>
                    <div class="col-lg-4 col-sm-12">
                        <label for="CompanyName" class="form-
label">CompanyName</label>
                        <input type="text" class="form-control"
name="CompanyName" value="<?=$CompanyName;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="CategoryID" class="form-
label">CategoryID</label>
                        <input type="text" class="form-control"
name="CategoryID" value="<?=$CategoryID;?>">
```

```
                    </div>
                    <div class="col-lg-4 col-sm-12">
                        <label for="CategoryName" class="form-
label">CategoryName</label>
                        <input type="text" class="form-control"
name="CategoryName" value="<?=$CategoryName;?>">
                    </div>
                </div>
                <!-- /SupplierID CategoryID -->

                <!-- QuantityPerUnit, UnitPrice, UnitsInStock,
UnitsOnOrder, ReorderLevel, Discontinued -->
                <div class="row">
                    <div class="col-lg-3 col-sm-12">
                        <label for="QuantityPerUnit" class="form-
label">QuantityPerUnit</label>
                        <input type="text" class="form-control"
name="QuantityPerUnit" value="<?=$QuantityPerUnit;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="UnitPrice" class="form-
label">UnitPrice</label>
                        <input type="text" class="form-control"
name="UnitPrice" value="<?=$UnitPrice;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="UnitsInStock" class="form-
label">UnitsInStock</label>
                        <input type="text" class="form-control"
name="UnitsInStock" value="<?=$UnitsInStock;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="UnitsOnOrder" class="form-
label">UnitsOnOrder</label>
                        <input type="text" class="form-control"
name="UnitsOnOrder" value="<?=$UnitsOnOrder;?>">
                    </div>
                    <div class="col-lg-2 col-sm-12">
                        <label for="ReorderLevel" class="form-
label">ReorderLevel</label>
                        <input type="text" class="form-control"
name="ReorderLevel" value="<?=$ReorderLevel;?>">
                    </div>
                    <div class="col-lg-1 col-sm-12">
                        <label for="Discontinued" class="form-
label">Discontinued</label>
                        <input type="text" class="form-control"
name="Discontinued" value="<?=$Discontinued;?>">
                    </div>
                </div>
                <!-- /QuantityPerUnit, UnitPrice, UnitsInStock,
UnitsOnOrder, ReorderLevel, Discontinued -->

                <div class="d-flex gap-2 justify-content-end m-3">
```

```
                    <button type="submit" class="btn btn-
danger">Delete</button>
                    <a href="product_details.php?ProductID=<?=$ProductID?>"
class="btn btn-warning">Cancel</a>
                </div>
            </form>


            <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
        </div>
    </body>

    </html>
```

product delete db [Pseudo]

product_delete_db.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    product_delete_db.php [Pseudo]
    Teeratus_R
    Edit : 20230113
    */

    session_start();
    require_once "../../config/db-config.php";

    $ProductID = $_POST['ProductID'];

    // $ProductName  = $_POST['ProductName'];
    // $SupplierID = $_POST['SupplierID'];
    // $CategoryID = $_POST['CategoryID'];
    // $QuantityPerUnit = $_POST['QuantityPerUnit'];
    // $UnitPrice = $_POST['UnitPrice'];
    // $UnitsInStock = $_POST['UnitsInStock'];
    // $UnitsOnOrder = $_POST['UnitsOnOrder'];
    // $ReorderLevel = $_POST['ReorderLevel'];
    // $Discontinued = $_POST['Discontinued'];
    $Discontinued = 1;

    try {
        $sql_product = "UPDATE Products
        SET
        Discontinued    = '$Discontinued'
        WHERE ProductID = '$ProductID'
        ;";
        $stmt = $conn->prepare($sql_product);
        $stmt->execute();
        $conn = null;
```

```
        $_SESSION['success'] = "Data has been updated succesfully";
        header("location: ./product_list.php");

    } catch(PDOException $e) {
        // echo $sql . "<br>" . $e->getMessage();

        $_SESSION['error'] = "Data has not been updated succesfully". $e-
>getMessage();
        header("location: ./product_list.php");
    }


   // header("location: ./manage_product.php?ProductID={$ProductID}");

?>
```

Category List

category_list.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    category_list.php
    Teeratus_R
    Edit : 20230110
    */
    session_start();
    require_once "../../config/db-config.php";


?>

<!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>
    <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
    <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    <style>
        thead {
            background-color: #ffc;
        }
    </style>

</head>
<body>
```

```
    <h4>Template Filename : category_list.php</h4>
    <p>05.5050-PHP-MySQL-CRUD-SimpleAll</p>
    <?php
        print_r($_POST);
        echo "<hr>";
        print_r($_GET);
        echo "<hr>";
        print_r($_SESSION);
        echo "<hr>";
    ?>

    <?php
        if (isset($_SESSION['error'])) {
    ?>
        <div class="alert alert-danger" role="alert">
            <?php
                echo $_SESSION['error'];
                unset($_SESSION['error']);
            ?>
        </div>
    <?php
        }
    ?>
    <?php
        if (isset($_SESSION['success'])) {
    ?>
            <div class="alert alert-success" role="alert">
                <?php
                    echo $_SESSION['success'];
                    unset($_SESSION['success']);
                ?>
            </div>
    <?php
        }
    ?>

    <div class="d-flex gap-3 justify-content-start mb-3">
        <a href="index.php" class="btn btn-primary">Home</a>
        <a href="category_new.php" class="btn btn-primary">New</a>
        <a href="category_list.php" class="btn btn-success">List</a>
        <!-- <a href="category_edit.php" class="btn btn-warning
disabled">Edit</a> -->
    </div>

    <table class="table table-striped table-bordered table-hover">
        <thead>
            <th>CategoryName</th>
            <th>Description</th>

            <th>Action</th>
            <th>CategoryID</th>
        </thead>
        <tbody>
```

```
            <?php
                $sql_category =
                "SELECT
                CategoryID,
                CategoryName,
                Description

                FROM Categories


                ORDER BY CategoryName ASC
                ;";
                $stmt = $conn->query($sql_category);
                $stmt->execute();
                $array_category = $stmt->fetchAll();
                if (!$array_category) {
                    echo "<tr><td colspan='8' class='text-center'>No data
found</td></tr>";
                } else {
                    foreach ($array_category as $category_data) {
            ?>
                    <tr>
                        <td><?=$category_data['CategoryName'];?></td>
                        <td><?=$category_data['Description'];?></td>

                        <td><a href="./category_details.php?CategoryID=<?
=$category_data['CategoryID'];?>" class="btn btn-warning">Details</a></td>
                        <td><?=$category_data['CategoryID'];?></td>
                    </tr>
            <?php
                    }
                }
            ?>
        </tbody>
    </table>

    <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
</body>
</html>
```

Category Details

category_details.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    category_details.php
    Teeratus_R
    Edit : 20230111
    */
```

```
    session_start();
    require_once "../../config/db-config.php";

    $CategoryID = $_GET['CategoryID'];

?>

    <!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>Details</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">
            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";
            ?>

            <h2>Details</h2>

            <?php
                if (isset($_SESSION['error'])) {
            ?>
                <div class="alert alert-danger" role="alert">
                    <?php
                        echo $_SESSION['error'];
                        unset($_SESSION['error']);
                    ?>
                </div>
            <?php
                }
            ?>
            <?php
                if (isset($_SESSION['success'])) {
            ?>
                    <div class="alert alert-success" role="alert">
                        <?php
                            echo $_SESSION['success'];
                            unset($_SESSION['success']);
                        ?>
```

```
                    </div>
            <?php
                }
            ?>

            <?php
                $sql_category =
                "SELECT
                CategoryID,
                CategoryName,
                Description

                FROM Categories
                WHERE CategoryID = '$CategoryID'
                ;";
                $stmt = $conn->query($sql_category);
                $stmt->execute();
                $category = $stmt->fetch();


                // $CategoryID = $category['CategoryID'];
                $CategoryName = $category['CategoryName'];
                $Description = $category['Description'];

            ?>

            <div class="d-flex gap-3 justify-content-start">
                <a href="category_new.php" class="btn btn-primary">New</a>
                <a href="category_list.php" class="btn btn-
success">List</a>

            </div>


            <div class="row">
                <div class="col-lg-12">
                    <table class="table table-striped">
                        <thead>
                            <tr>
                                <th>CategoryName</th>
                                <th>Description</th>
                                <th>Acction</th>

                                <th>CategoryID</th>
                            </tr>
                        </thead>
                        <tbody>
                            <tr>
                                <td>
                                    <?=$CategoryName?>
                                </td>
                                <td>
                                    <?=$Description?>
                                </td>
```

```
                                    <td>
                                        <a href="category_edit.php?CategoryID=
<?=$CategoryID?>" class="btn btn-warning">Edit</a>
                                        <a href="category_delete.php?
CategoryID=<?=$CategoryID?>" class="btn btn-danger">Delete</a>
                                    </td>
                                    <td><?=$CategoryID?></td>
                                </tr>
                            </tbody>

                        </table>
                    </div>

                </div>


                <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
            </div>
        </body>

        </html>
```

Category New

category_new.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    category_new.php
    Teeratus_R
    Edit : 20221229
    */
    session_start();
    require_once "../../config/db-config.php";

    //  $CategoryID = $_GET['CategoryID'];

?>

<!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>N-Details</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
```

```
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">


            <h2>Template Filename : Create New Category</h2>

            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";
            ?>

            <div class="d-flex gap-3 justify-content-start">
                <!-- <a href="category_list.php" class="btn btn-
primary">List</a> -->
            </div>

            <div class="row">
                <div class="border col-sm-6 ">
                    <form action="category_new_db.php" method="post">
                        <div class="mb-3">
                            <label for="CategoryName" class="form-
label">CategoryName</label>
                            <input type="text" class="form-control"
name="CategoryName" required>
                        </div>
                        <div class="mb-3">
                            <label for="Description" class="form-
label">Description</label>
                            <input type="text" class="form-control"
name="Description" required>
                        </div>

                        <div class="d-flex gap-2 justify-content-end mb-3">
                            <button type="submit" class="btn btn-
primary">Submit</button>
                            <a href="./category_list.php" class="btn btn-
secondary">Cancel</a>
                        </div>

                    </form>
                </div>
                <!-- /class="row" -->
            </div>



        </div>
```

```
        <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
    </body>

    </html>
```

Category New db

category_new_db.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    category_new_db.php
    Teeratus_R
    Edit : 20221229
    */
    session_start();
    require_once '../../config/db-config.php';

    $CategoryName    = trim($_POST['CategoryName']);

    $Description = $_POST['Description'];

    // $x = $_POST['x'];

    try {
        $sql_category = "INSERT INTO Categories
        (CategoryName, Description)
        VALUES
        (
            '$CategoryName',
            '$Description'

        )";
        $conn->exec($sql_category);
        $last_id = $conn->lastInsertId();
        $conn = null;
        $_SESSION['success'] = "Data has been updated succesfully";
        // header("location: ./category_list.php");
        header("location: ./category_details.php?CategoryID={$last_id}");

    } catch(PDOException $e) {
        // echo $sql . "<br>" . $e->getMessage();

        $_SESSION['error'] = "Data has not been updated succesfully" . $e-
>getMessage();
        header("location: ./category_list.php");
    }

?>
```

Category Edit

category_edit.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-Simple
    category_edit.php
    Teeratus_R
    Edit : 20230109
    */
    session_start();
    require_once "../../config/db-config.php";
    $CategoryID = $_GET['CategoryID'];

?>

<!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>N-Details</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">
            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";
            ?>

                <h2>Edit Category</h2>

                <?php
                    $sql_category =
                    "SELECT
                    CategoryID,
                    CategoryName,
                    Description

                    FROM Categories
```

```
                    WHERE CategoryID = $CategoryID
                    ;";
                    $stmt = $conn->query($sql_category);
                    $stmt->execute();
                    $category = $stmt->fetch();


                    $CategoryName = $category['CategoryName'];
                    $Description = $category['Description'];

                ?>

                <div class="d-flex gap-3 justify-content-start mb-3">
                    <a href="category_list.php" class="btn btn-
primary">List</a>
                </div>

                <div class="row">
                    <div class="border col-sm-6">
                        <form action="category_edit_db.php" method="post">
                            <input type="hidden" name="CategoryID" value="
<?=$CategoryID?>">
                            <div class="mb-3">
                                <label for="CategoryName" class="form-
label">CategoryName</label>
                                <input type="text" class="form-control"
name="CategoryName" value="<?=$CategoryName?>" required>
                            </div>
                            <div class="mb-3">
                                <label for="Description" class="form-
label">Description</label>
                                <input type="text" class="form-control"
name="Description" value="<?=$Description?>" required>
                            </div>

                            <div class="d-flex gap-2 justify-content-end
mb-3">
                                <button type="submit" class="btn btn-
primary">Submit</button>
                                <a href="./category_details.php?CategoryID=
<?=$CategoryID;?>" class="btn btn-secondary">Cancel</a>
                            </div>
                        </form>
                    </div>

                </div>


                <script src="../../bootstrap/bootstrap.bundle.min.js">
</script>
        </div>
    </body>
```

```
    </html>
```

Category Edit db

category_edit_db.php

```
<?php
    /*
    05.5050-PHP-MySQL-CRUD-SimpleAll
    category_edit_db.php
    Teeratus_R
    Edit : 20230111
    */

    session_start();
    require_once "../../config/db-config.php";

    $CategoryID = $_POST['CategoryID'];
    $CategoryName  = trim($_POST['CategoryName']);

    $Description = $_POST['Description'];

    try {
        $sql_category = "UPDATE Categories
        SET
        CategoryName = '$CategoryName',
        Description = '$Description'
        WHERE CategoryID = '$CategoryID';";
        $stmt = $conn->prepare($sql_category);
        $stmt->execute();
        $conn = null;
        $_SESSION['success'] = "Data has been updated succesfully";
        header("location: ./category_details.php?CategoryID=
{$CategoryID}");

    } catch(PDOException $e) {
        // echo $sql . "<br>" . $e->getMessage();

        $_SESSION['error'] = "Data has not been updated succesfully". $e-
>getMessage();
        header("location: ./category_list.php");
    }


   // header("location: ./manage_category.php?CategoryID={$CategoryID}");

?>
```

Category Delete

category_delete.php

```php
<?php
    /*
    category_delete.php
    Teeratus_R
    */
    session_start();
    require_once "../../config/db-config.php";



    $CategoryID = $_GET['CategoryID'];

?>

<!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>N-Delete</title>
        <link rel="shortcut icon" href="../../webcomponents/favicon.ico"
type="image/x-icon">
        <link rel="stylesheet" href="../../bootstrap/bootstrap.min.css">
    </head>

    <body>
        <div class="container">
            <?php
                print_r($_POST);
                echo "<hr>";
                print_r($_GET);
                echo "<hr>";
                print_r($_SESSION);
                echo "<hr>";

                $sql_category =
                "SELECT
                CategoryName,
                Description
                FROM Categories
                WHERE CategoryID = $CategoryID
                ;";
                $stmt = $conn->prepare($sql_category);
                $stmt->execute();
                $Category_data = $stmt->fetch(PDO::FETCH_ASSOC);

                // $CategoryID              = $Category_data['CategoryID'];
```

```
                $CategoryName               =
$Category_data['CategoryName'];
                $Description              = $Category_data['Description'];

                // $x              = $Category_data['x'];
            ?>

            <h2 class="text-danger">Delete Category ?</h2>

            <div class="d-flex gap-3 justify-content-start">
                <!-- <a href="category_list.php" class="btn btn-
primary">List</a> -->
            </div>

            <div class="row">
                <div class="border col-sm-6 ">
                    <form action="category_delete_db.php" method="post">
                        <div class="mb-3">
                            <label for="CategoryName" class="form-
label">CategoryName</label>
                            <input type="text" class="form-control"
name="CategoryName" value="<?=$CategoryName?>">
                        </div>
                        <div class="mb-3">
                            <label for="Description" class="form-
label">Description</label>
                            <input type="text" class="form-control"
name="Description" value="<?=$Description?>">
                        </div>

                        <div class="mb-3">
                            <label for="CategoryID" class="form-
label">CategoryID</label>
                            <input type="text" class="form-control"
name="CategoryID" value="<?=$CategoryID?>">
                        </div>




                        <div class="d-flex gap-2 justify-content-start mb-
3">
                            <button type="submit" class="btn btn-
danger">Confirm</button>
                            <a href="./category_details.php?CategoryID=<?
=$CategoryID?>" class="btn btn-secondary">Cancel</a>

                        </div>
                    </form>
                </div>

            </div>
```

```
        </div>
        <script src="../../bootstrap/bootstrap.bundle.min.js"></script>
    </body>

    </html>
```

Category Delete db

category_delete_db.php

```
<?php

    session_start();
    require_once "../../config/db-config.php";

    $CategoryID = $_POST['CategoryID'];
    // $CategoryID = 97;

    // $x = $_POST['x'];
    // print_r($CategoryID);

    try {

        // sql to delete a record
        $sql_category = "DELETE FROM Categories
        WHERE CategoryID = $CategoryID
        ;";
        // use exec() because no results are returned
        $conn->exec($sql_category);
        $conn = null;

        $_SESSION['success'] = "Data has been updated succesfully";
        header("location: ./category_list.php");
        // echo "Record deleted successfully";
    } catch(PDOException $e) {
        // echo $sql_category . "<br>" . $e->getMessage();

        $_SESSION['error'] = "Data has not been updated succesfully";
        header("location: ./category_list.php");
        // header("location: ./category_list.php?id={$service_orders_id}");

    }



?>
```

Document

Document in project

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Reference