**Develop a dynamic PHP application to efficiently manage and store customer information, encompassing key fields like Customer Number, Customer Name, Item Purchased, and Mobile Number in Database. This application should provide a userfriendly interface with strategically placed buttons to trigger specific functionalities. These functionalities include:**

**1. Add Customer Information: Clicking this button should dynamically reveal a form for entering new customer details. Include proper validation checks for mobile numbers (10 digits), and also for Customer id ensuring accuracy in data input.**

**2. Delete Customer Records: Triggering this button should prompt the appearance of a form, specifically requesting the Customer ID to identify and delete the corresponding customer record. And provide appropriate messages for incorrect inputs.**

**3. Search for Particular Entries: This function should unveil a search form when activated, allowing users to input Customer id to find specific customer records.**

**4. Sort Database Based on Customer Id: Clicking this button should facilitate the sorting of the entire database based on customer id.**

**5. Display Complete Set of Records: Activating this function should present a comprehensive display of all customer records.**

**6. Interface Design: Initially, the interface should only showcase functional buttons. Upon clicking a button, the respective form should dynamically appear, offering a tailored and focused user experience.**

**7. Give proper messages after every transaction.**

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CREATE DATABASE partb6;

USE customerdetails;

CREATE DATABASE partb6(customer\_id INT PRIMARY KEY,

customer\_name VARCHAR(30),

item\_purchased VARCHAR(50),

mobile\_number VARCHAR(11) );

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "partb6";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error)

{

die("Connection failed: " . $conn->connect\_error);

}

function addCustomer($name, $item, $mobile)

{

global $conn;

$sql = "INSERT INTO customers (customer\_name, item\_purchased, mobile\_number) VALUES ('$name', '$item', '$mobile')";

if ($conn->query($sql) === TRUE)

echo "Customer information added successfully.";

else

echo "Error: " . $sql . "<br>" . $conn->error;

}

function deleteCustomer($id)

{

global $conn;

//$id = mysqli\_real\_escape\_string($conn, $id);

$sql = "DELETE FROM customers WHERE customer\_id = $id";

if ($conn->query($sql))

{

if($conn->affected\_rows>0)

echo "Customer record deleted successfully!";

else

echo "Error deleting record: " . $conn->error;

}

}

function searchCustomer($id)

{

global $conn;

$sql = "SELECT \* FROM customers WHERE customer\_id = $id";

$result = $conn->query($sql);

if ($result->num\_rows > 0)

{

while ($row = $result->fetch\_assoc())

{

echo "Customer ID: " . $row["customer\_id"] . "<br>";

echo "Customer Name: " . $row["customer\_name"] . "<br>";

echo "Item Purchased: " . $row["item\_purchased"] . "<br>";

echo "Mobile Number: " . $row["mobile\_number"] . "<br>";

}

}

else

{

echo "No matching records found.";

}

}

function sortById()

{

global $conn;

$sql = "SELECT \* FROM customers ORDER BY customer\_id";

$result = $conn->query($sql);

if ($result->num\_rows > 0)

{

while ($row = $result->fetch\_assoc())

{

echo "Customer ID: " . $row["customer\_id"] . ", ";

echo "Customer Name: " . $row["customer\_name"] . ", ";

echo "Item Purchased: " . $row["item\_purchased"] . ", ";

echo "Mobile Number: " . $row["mobile\_number"] . "<br>";

}

}

else

{

echo "No records found.";

}

}

function displayRecords()

{

global $conn;

$sql = "SELECT \* FROM customers";

$result = $conn->query($sql);

if ($result->num\_rows > 0)

{

while ($row = $result->fetch\_assoc())

{

echo "Customer ID: " . $row["customer\_id"] . ", ";

echo "Customer Name: " . $row["customer\_name"] . ", ";

echo "Item Purchased: " . $row["item\_purchased"] . ", ";

echo "Mobile Number: " . $row["mobile\_number"] . "<br>";

}

}

else

{

echo "No records found.";

}

}

if ($\_SERVER["REQUEST\_METHOD"] == "POST")

{

if (isset($\_POST["add\_customer"]))

addCustomer($\_POST["customer\_name"], $\_POST["item\_purchased"], $\_POST["mobile\_number"]);

elseif (isset($\_POST["delete\_record"]))

deleteCustomer($\_POST["customer\_id"]);

elseif (isset($\_POST["search\_entry"]))

searchCustomer($\_POST["customer\_id"]);

}

?>

<html>

<head>

<title>Customer Information Management</title>

</head>

<body>

<button onclick="document.getElementById('add\_form').style.display='block'">Add Customer Information</button>

<div id="add\_form" style="display:none;">

<form method="post">

Customer Name: <input type="text" name="customer\_name" required><br>

Item Purchased: <input type="text" name="item\_purchased" required><br>

Mobile Number: <input type="text" name="mobile\_number" pattern="[0-9]{10}" title="Enter a 10-digit mobile number" required><br>

<input type="submit" name="add\_customer" value="Add Customer">

</form>

</div>

<!-- Delete Customer Records Form -->

<button onclick="document.getElementById('delete\_form').style.display='block'">Delete Customer Records</button>

<div id="delete\_form" style="display:none;">

<form method="post">

Customer ID: <input type="text" name="customer\_id" required><br>

<input type="submit" name="delete\_record" value="Delete Record">

</form>

</div>

<!-- Search for Particular Entries Form -->

<button onclick="document.getElementById('search\_form').style.display='block'">Search for Particular Entries</button>

<div id="search\_form" style="display:none;">

<form method="post">

Customer ID: <input type="text" name="customer\_id" required><br>

<input type="submit" name="search\_entry" value="Search">

</form>

</div>

<!-- Sort Database Based on Customer Id -->

<button onclick="document.getElementById('sort\_btn').style.display='block'">Sort Database Based on Customer Id</button>

<div id="sort\_btn" style="display:none;">

<?php sortById(); ?>

</div>

<!-- Display Complete Set of Records -->

<button onclick="document.getElementById('display\_records').style.display='block'">Display Complete Set of Records</button>

<div id="display\_records" style="display:none;">

<?php displayRecords(); ?>

</div>

</body>

</html>

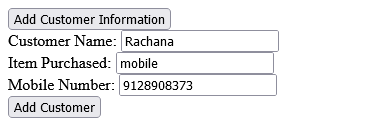
<?php

$conn->close();

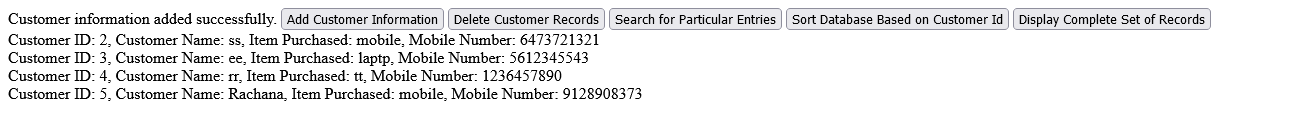
?>

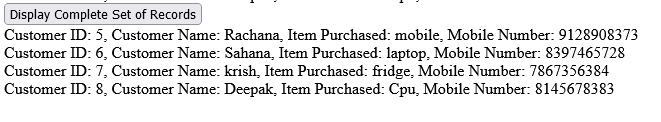
**OUTPUT:**



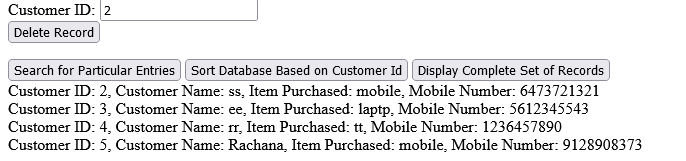




//Add customer information//Display Complete Set of Records



//Delete Customer Records



//Search for Particular Entries





//Sort Database Based on Customer Id

