MINI PROJECT REPORT

SUPERMARKET DATABASE MANAGEMENT

25 DECEMBER 2021

PREPARED BY

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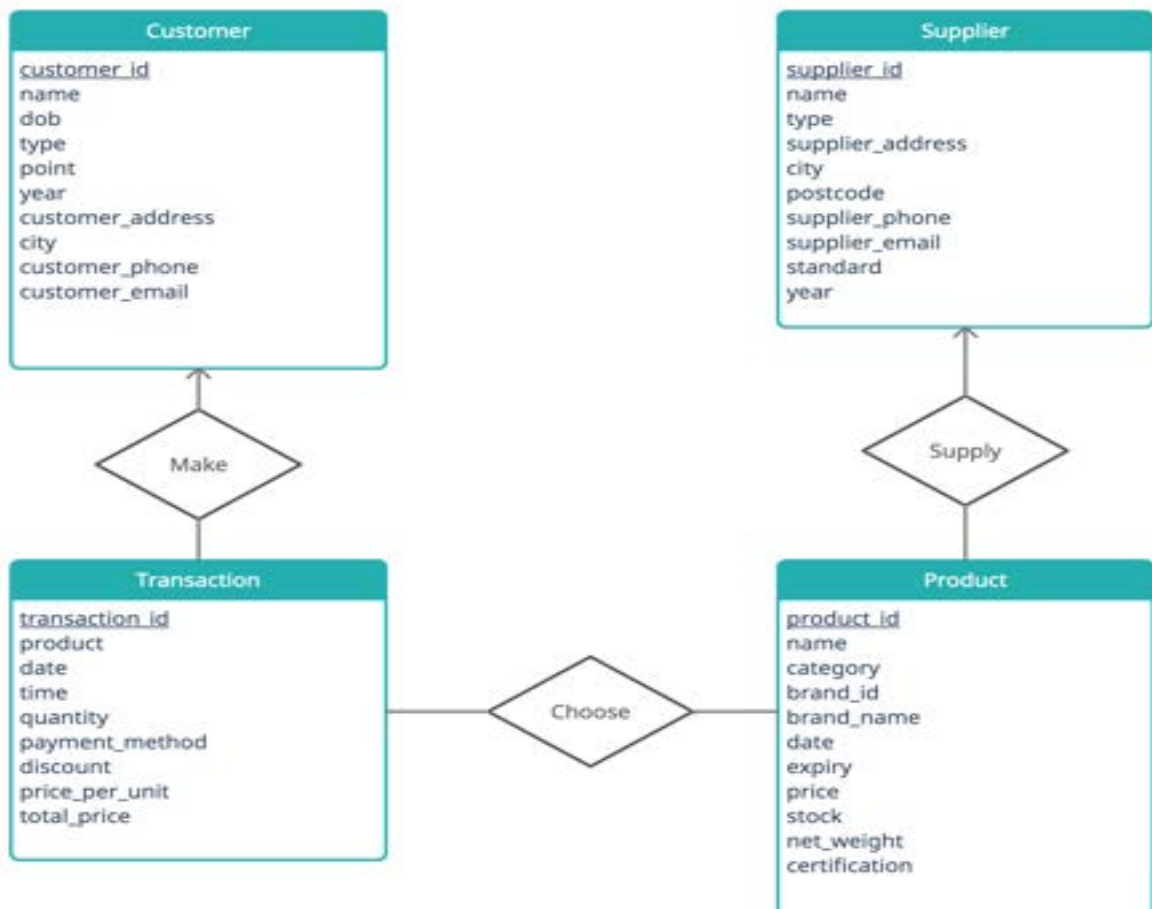LE TRONG TAN - MAMAIU20032

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I.   INTRODUCTION

A simple supermarket sale management system manages multiple sets of data:
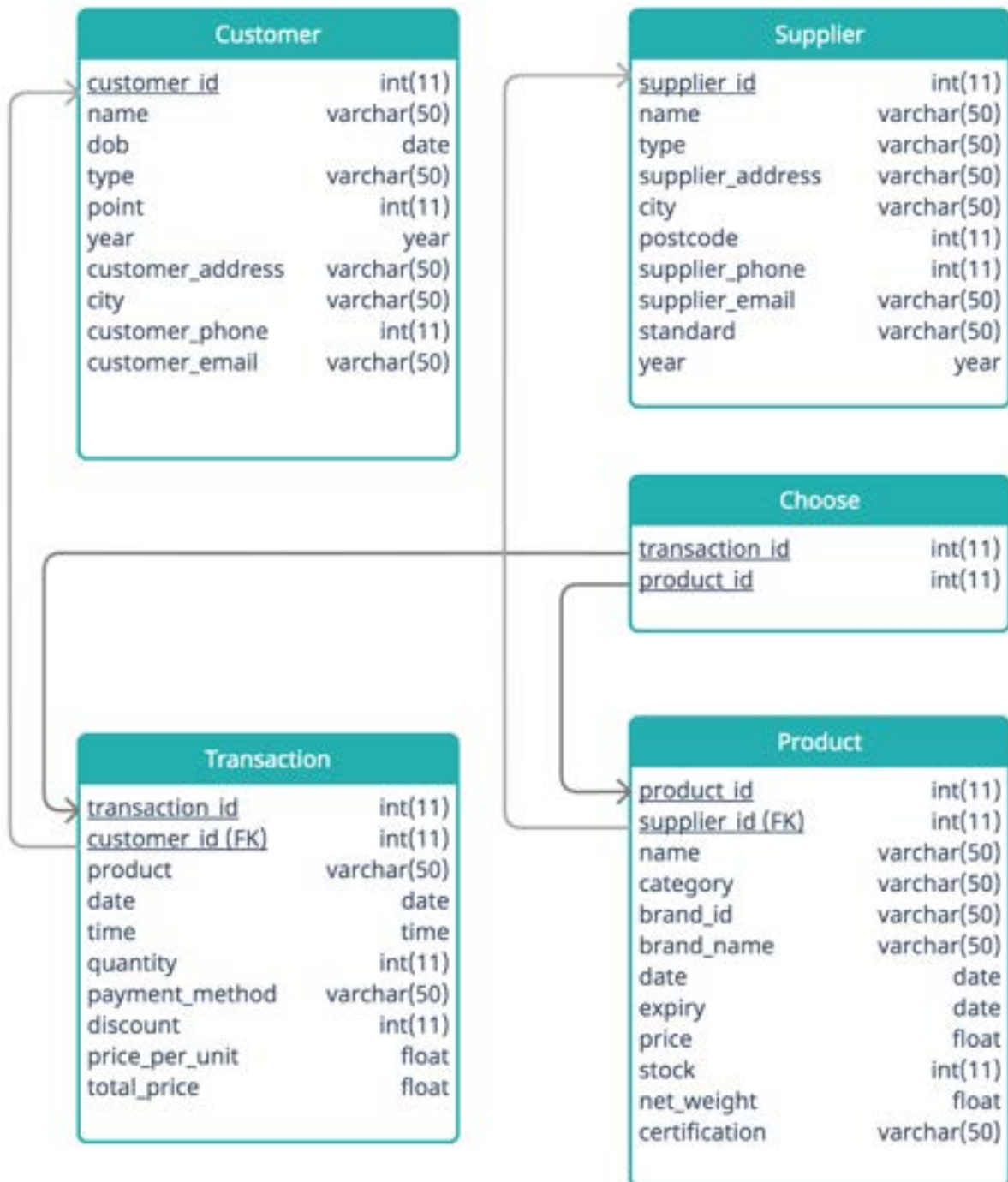
- product information contains identifier, name, category, brand identifier, brand name, arrival date, expiry, price, stock, net weight, certification.
- supplier information contains identifier, name, type, address, city, postcode, phone, email, standard, year.
- customer information contains identifier, name, date of birth, type, point, year, address, city, phone, email.
- transaction information contains identifier, product, date, time, quantity, payment method, discount, price per unit, total price.

Several constraints need to be defined, at least products belong to suppliers, customers buy products recorded in transactions, etc. This system allows managers to perform multiple functions on products, suppliers, customers, and transactions using the user interface.

II.   ENTITY RELATIONSHIP DIAGRAM (ERD)

III.   DATABASE DESIGN SCHEMA

Customer

customer_id	int(11)
name	varchar(50)
dob	date
type	varchar(50)
point	int(11)
year	year
customer_address	varchar(50)
city	varchar(50)
customer_phone	int(11)
customer_email	varchar(50)

Supplier

supplier_id	int(11)
name	varchar(50)
type	varchar(50)
supplier_address	varchar(50)
city	varchar(50)
postcode	int(11)
supplier_phone	int(11)
supplier_email	varchar(50)
standard	varchar(50)
year	year

Choose

| transaction_id | int(11) |
| product_id | int(11) |

Transaction

transaction_id	int(11)
customer_id (FK)	int(11)
product	varchar(50)
date	date
time	time
quantity	int(11)
payment_method	varchar(50)
discount	int(11)
price_per_unit	float
total_price	float

Product

product_id	int(11)
supplier_id (FK)	int(11)
name	varchar(50)
category	varchar(50)
brand_id	varchar(50)
brand_name	varchar(50)
date	date
expiry	date
price	float
stock	int(11)
net_weight	float
certification	varchar(50)

IV. TASK ALLOCATION

- Design ERD, Database Design: Việt Hằng, Triệu Mẫn, Trọng Tấn
- Design all files:
  + web.html, about.html, information.html, search.html, style.css: Việt Hằng, Triệu Mẫn, Trọng Tấn
  + showall.html, showall.php: Triệu Mẫn
  + showattribute.html, showattribute.php: Việt Hằng
  + searchcustomer.html, searchsupplier.html, searchcustomer.php, searchsupplier.php: Trọng Tấn
  + searchproduct.html, searchproduct.php: Triệu Mẫn
  + searchtransaction.html, searchtransaction.php: Việt Hằng
  + edit.html, edit.php: Trọng Tấn
  + add.html, add.php: Việt Hằng
  + delete.html, delete.php: Triệu Mẫn
- Double check all files: Việt Hằng, Triệu Mẫn, Trọng Tấn
- Report: Việt Hằng, Triệu Mẫn, Trọng Tấn

V. HOMEPAGE

HTML code:

```
<> web.html ×

Applications > XAMPP > xamppfiles > htdocs > <> web.html > ⊗ html > ⊗ style
 1   <html>
 2   <head>
 3   <title>Supermarket</title>
 4   <link rel="stylesheet" href="style.css">
 5   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
 6   </head>
 7   <style>
 8   body{
 9       background-color:■#2F3035;
10       background:url(3169.jpg) no-repeat center center fixed;
11           -webkit-background-size: cover;
12           -moz-background-size: cover;
13           -o-background-size: cover;
14           background-size: cover;
15   }
16
17   h1{
18       font-family: sans-serif;
19       font-size:100px;
20       color: □white;
21       height:110px;
22       text-shadow: 2px 2px 8px ■#111;
23       margin-top:300px;
24       text-align:center;
25   }
26
27   .footer {
28       position: fixed;
29       left: 0;
30       bottom: 0;
31       width: 100%;
32       color: □white;
33       text-align: center;
34   }
35
36   </style>
37   <body>
38   <nav class="menu">
39       <ul>
40         <li><a class="navbar-brand" href="web.html">
41         <div class="logo-image">
42             <img src="1234.png" class="img-fluid" width="50" height="50">
43         </div>
44         </a></li>
45           <li><a href  ="about.html">About</a></li>
46           <li><a class="active" href  ="information.html">Information</a></li>
47           <li><a class="active" href  ="search.html">Search</a></li>
48           <li><a class="active" href  ="edit.html">Edit</a></li>
49           <li><a class="active" href  ="add.html">Add</a></li>
50           <li><a href  ="delete.html">Delete</a></li>
51       </ul>
52   </form>
53   </nav>
54   <h1> MERRY CHRISTMAS!<br>
55   SALE OFF 50% </h1>
56   <div class="footer">
57       <p><center>Copyright Dec 2021&copy; </center></p>
58   </div>
59   </body>
60   </html>
```
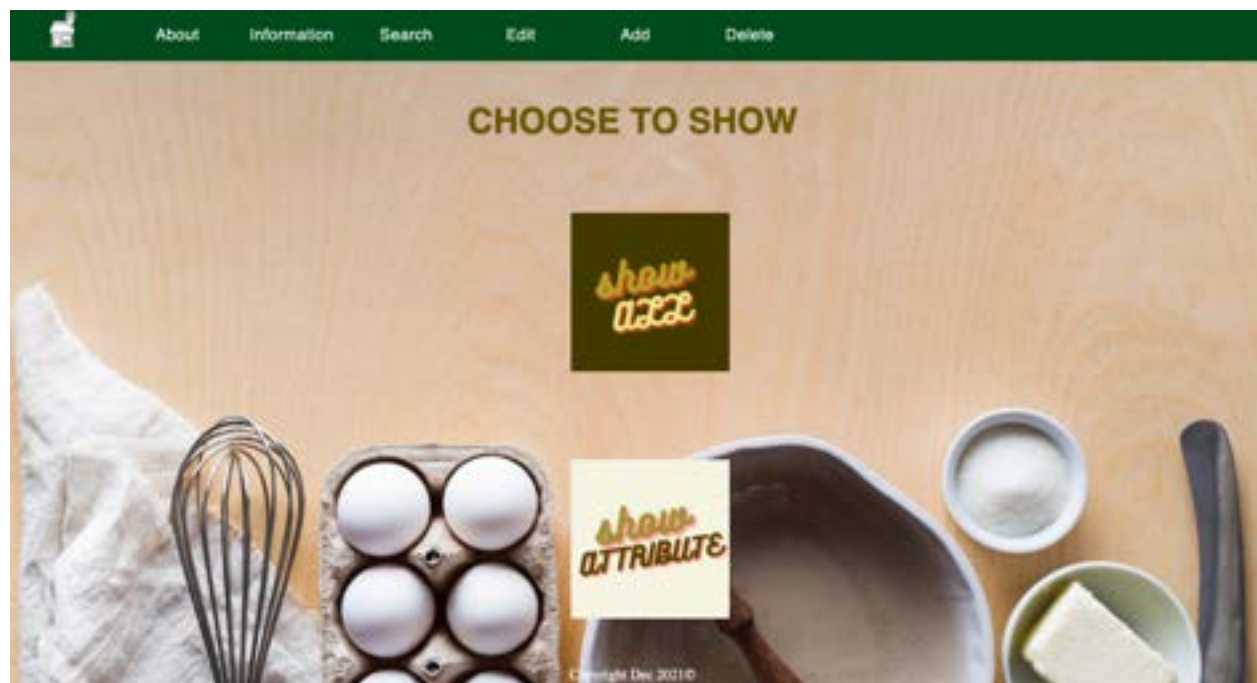
CSS code:

```css
# style.css   ×

Applications > XAMPP > xamppfiles > htdocs > # style.css > ...
1    .menu{
2        width:100%;
3        background: ■#01471F;
4        overflow:auto;
5    }
6    .menu ul{
7        margin: 0;
8        padding: 0;
9        list-style:none;
10       line-height:60px;
11   }
12
13   .menu li{
14       float:left;
15   }
16   .menu ul li a{
17       background:  ■#01471F;
18       text-decoration:none;
19       width:130px;
20       display:block;
21       text-align:center;
22       color: □#f2f2f2;
23       font-size:18px;
24       font-family: sans-serif;
25       letter-spacing:0.5px;
26   }
27   .menu li a:hover{
28       color: □#fff ;
29       opacity:0.5;
30       font-size:19px;
31   }
```

VI.   ABOUT

VII.   INFORMATION

```
64      <h1> CHOOSE TO SHOW </h1>
65      <ul>
66      <center>
67      <form action="showall.php" method="POST">
68          <a class="active" href="showall.html" title="Show All Information" target="_self">
69          <div class="column">
70              <img src="SHOWALL.png" width="180" height="180">
71          </div>
72          </a>
73
74              <a class="active" href="showattribute.html" title="Show Attribute" target="_self">
75          <div class="column">
76              <img src="SHOWATTRIBUTE.png" width="180" height="180">
77          </div>
78          </a>
79      </center>
80      </form>
81      </center>
82          </ul>
```

If we choose "Information" on the menu bar, two icons "Show All", "Show Attributes" will appear. The interface for "Show All" will be presented as following:
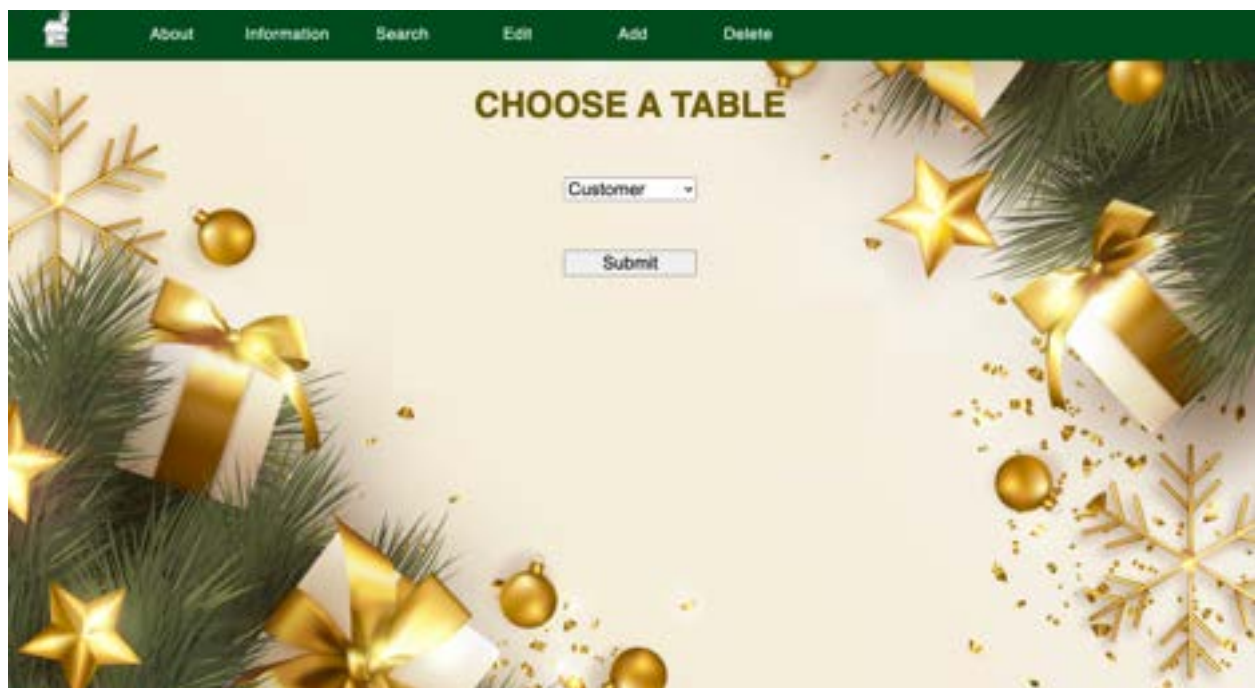
HTML code:

```
75    <form action="http://localhost/showall.php" method="post">
76        <h1>CHOOSE A TABLE</h1>
77        <br>
78        <center>
79        <select name="f_from">
80        <option value="Customer" selected>Customer</option>
81        <option value="Product">Product</option>
82        <option value="Supplier">Supplier</option>
83        <option value="Transaction">Transaction</option>
84        </select></center>
85
86        <br>
87        <br>
88        <center><input type="submit" value="Submit"></center>
```

PHP code:

```
3     $type = $_POST["f_from"];
47
48
49    if ($type == 'Customer'){
50            $sql = "select * from customer ";
51            if (!($result = mysqli_query($con,$sql))) {
52            echo "Failed to get data.<br/>";
53            }
54
55            echo "<table border='1'>
56            <tr>
57            <th>Customer_id</th>
58            <th>Name</th>
59            <th>DOB</th>
60            <th>Type</th>
61            <th>Point</th>
62            <th>Year</th>
63            <th>Address</th>
64            <th>City</th>
65            <th>Phone</th>
66            <th>Email</th>
67            </tr>";
68
69            while($row = mysqli_fetch_array($result, MYSQLI_ASSOC))
70            {
71            echo "<tr>";
72            echo "<td>" . $row["customer_id"] . "</td>";
73            echo "<td>" . $row["name"] . "</td>";
74            echo "<td>" . $row["dob"] . "</td>";
75            echo "<td>" . $row["type"] . "</td>";
76            echo "<td>" . $row["point"] . "</td>";
77            echo "<td>" . $row["year"] . "</td>";
78            echo "<td>" . $row["customer_address"] . "</td>";
79            echo "<td>" . $row["city"] . "</td>";
80            echo "<td>" . $row["customer_phone"] . "</td>";
81            echo "<td>" . $row["customer_email"] . "</td>";
82            echo "</tr>";
83            }
84
85            echo "</table>";
86
87            mysqli_free_result($result); }
```

The interface for "Show Attributes" will be presented as following:
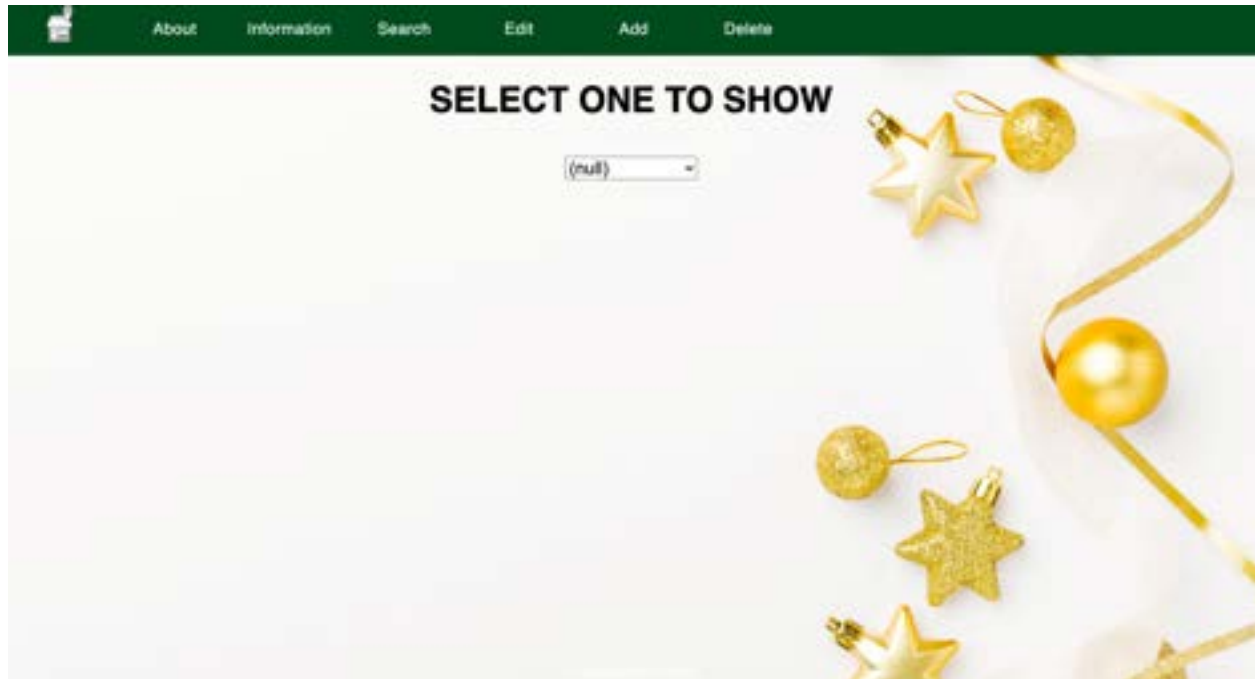
HTML code:

```
66    <div class="content">
67            <center><h1> SELECT ONE TO SHOW </h1>
68        <select id="choosing">
69
70        <option selected disabled>(null)</option>
71        <option value="showcustomer.html">Customer</a></option>
72        <option value="showsupplier.html">Supplier</option>
73        <option value="showproduct.html">Product</option>
74        <option value="showtransaction.html">Transaction</option>
75        </select>
76        </div>
```
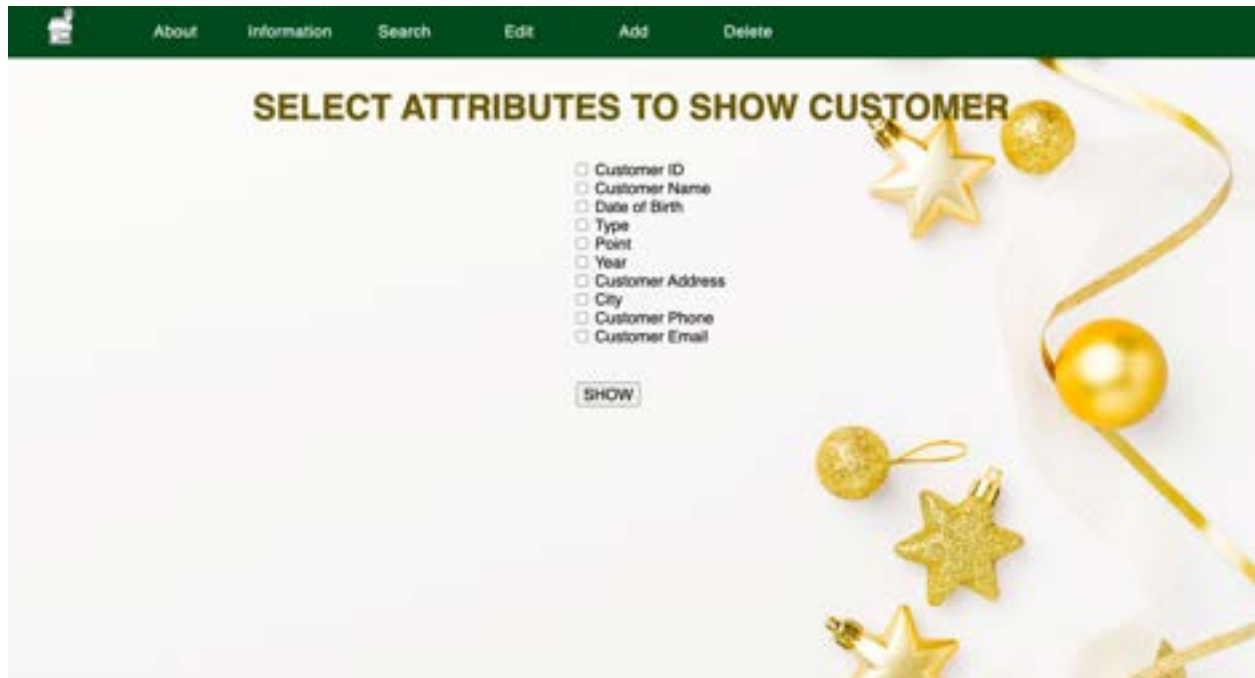
There are 4 tables in our database. For example, if we choose a "Customer" table, a new page containing all the attributes of the "Customer" table will be displayed.

HTML code:

```
65    <center><h2>SELECT ATTRIBUTES TO SHOW CUSTOMER</h2></center>
66    <form action="http://localhost/showcustomer.php" method="post">
67        <div class = "checklist">
68            <input type = "hidden" name = "customer_id" value = "0">
69            <input type = "checkbox" name = "customer_id" value = "1"> Customer ID <br>
70            <input type = "hidden" name = "name" value = "0">
71            <input type = "checkbox" name = "name" value = "1"> Customer Name <br>
72            <input type = "hidden" name = "dob" value = "0">
73            <input type = "checkbox" name = "dob" value = "1"> Date of Birth <br>
74            <input type = "hidden" name = "type" value = "0">
75            <input type = "checkbox" name = "type" value = "1"> Type <br>
76            <input type = "hidden" name = "point" value = "0">
77            <input type = "checkbox" name = "point" value = "1"> Point <br>
78            <input type = "hidden" name = "year" value = "0">
79            <input type = "checkbox" name = "year" value = "1"> Year <br>
80            <input type = "hidden" name = "customer_address" value = "0">
81            <input type = "checkbox" name = "customer_address" value = "1"> Customer Address <br>
82            <input type = "hidden" name = "city" value = "0">
83            <input type = "checkbox" name = "city" value = "1"> City <br>
84            <input type = "hidden" name = "customer_phone" value = "0">
85            <input type = "checkbox" name = "customer_phone" value = "1"> Customer Phone <br>
86            <input type = "hidden" name = "customer_email" value = "0">
87            <input type = "checkbox" name = "customer_email" value = "1"> Customer Email <br>
88            <br>
89            <br>
90            <input type="submit" name="show" value="SHOW"/></div>
91    </body>
92    </html>
```

PHP code:

```php
54    $sql = "select ";
55    if ($customer_id) {
56        $sql .="customer_id ";
57        $count++;
58    }
59
60    if ($name) {
61        $count++;
62        if ($count >= 2)
63        {
64            $sql .= ",";
65        }
66        $sql .=" name ";
67    }
68
69    if ($dob) {
70        $count++;
71        if ($count >= 2)
72        {
73            $sql .= ",";
74        }
75        $sql .=" dob ";
76    }
77
78    if ($type) {
79        $count++;
80        if ($count >= 2)
81        {
82            $sql .= ",";
83        }
84        $sql .=" type ";
85    }
86
87    if ($point) {
88        $count++;
89        if ($count >= 2)
90        {
91            $sql .= ",";
92        }
93        $sql .=" point ";
94    }
95
96    if ($year) {
97        $count++;
98        if ($count >= 2)
99        {
100            $sql .= ",";
101        }
102        $sql .=" year ";
103    }
```

```php
2     $customer_id = $_POST["customer_id"];
3     $name = $_POST["name"];
4     $dob = $_POST["dob"];
5     $type = $_POST["type"];
6     $point = $_POST["point"];
7     $year = $_POST["year"];
8     $customer_address = $_POST["customer_address"];
9     $city = $_POST["city"];
10    $customer_phone = $_POST["customer_phone"];
11    $customer_email = $_POST["customer_email"];
12    $count = 0;
```

```php
123   if ($customer_phone) {
124       $count++;
125       if ($count >= 2)
126       {
127           $sql .= ",";
128       }
129       $sql .=" customer_phone ";
130   }
131
132   if ($customer_email) {
133       $count++;
134       if ($count >= 2)
135       {
136           $sql .= ",";
137       }
138       $sql .=" customer_email ";
139   }
140
141   $sql .= " from customer";
142   if (!($result = mysqli_query($con,$sql))) {
143       echo "Failed to get data. <br/>";
144   }
```

VIII.   SEARCH
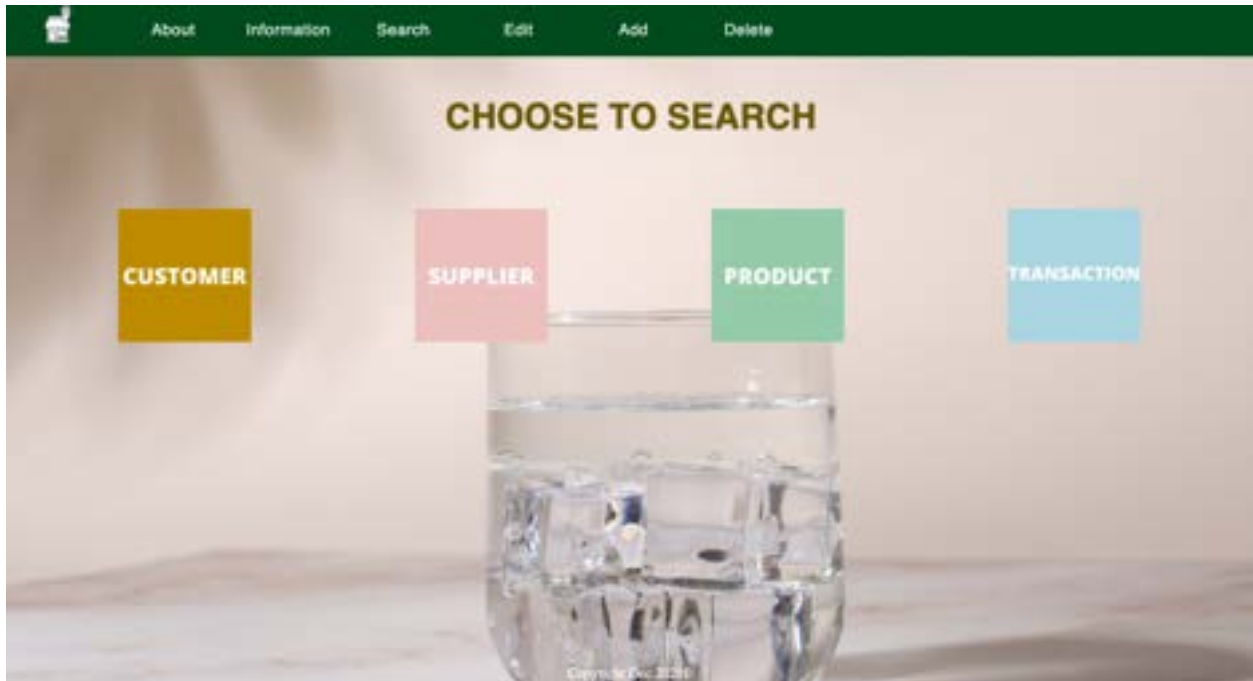

```
62      <h1> CHOOSE TO SEARCH </h1>
63      <ul>
64      <center>
65          <a class="active" href="searchcustomerinfo.html" title="Search Customer Information" target="_self">
66          <div class="column">
67              <img src="CUSTOMER.png" width="150" height="150">
68          </div>
69          </a>
70
71          <a class="active" href="searchsupplierinfo.html" title="Search Supplier Information" target="_self">
72          <div class="column">
73              <img src="SUPPLIER.png" width="150" height="150">
74          </div>
75          </a>
76
77          <a class="active" href="searchproductinfo.html" title="Search Product Information" target="_self">
78          <div class="column">
79              <img src="product.png" width="150" height="150">
80          </div>
81          </a>
82
83          <a class="active" href="searchtransactioninfo.html" title="Search Transaction Information" target="_self">
84          <div class="column">
85              <img src="transaction.png" width="150" height="150">
86          </div>
87          </a>
88      </ul>
```

If users choose one of the four icons shown on the above image, a new page will be shown up. We take "Customer" table as an example. Users have to type at least one of 3 attributes to search for a tuple in that table. Otherwise, the web will display a note that requires you to "Try again".

PHP code:

```
3    $fname1 = $_POST["fname1"];
4    $fname2 = $_POST["fname2"];
5    $fname3 = $_POST["fname3"];
50   if ($fname1 == null && $fname2 == null && $fname3== null) echo "<h2 style='text-align: center; color:black;'> Error: Try again!</h2>";
51   else {
52       $sql = "select * from customer where customer_id like '%$fname1%' and name like '%$fname2%' and customer_phone like '%$fname3%'";
53       if (!($result = mysqli_query($con,$sql))) {
54       echo "Failed to get data.<br/>";
55       }
```

For "Product" table, we designed a function that allows users to input product's price, arrival date and expiry date in the format of a range. Detailed demonstration will be as following:

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PHP code:

```php
1    $product_id = $_POST["product_id"];
3    $name = $_POST["name"];
4    $category = $_POST["category"];
5    $brand_name = $_POST["brand_name"];
6    $Arrival_date1 = $_POST["Arrival_date1"];
7    $Arrival_date2 = $_POST["Arrival_date2"];
8    $Expiry1 = $_POST["Expiry1"];
9    $Expiry2 = $_POST["Expiry2"];
10   $Price1 = $_POST["Price5"];
11   $Price2 = $_POST["Price2"];
12   $certification = $_POST["certification"];
62   $sql = "select distinct * from product where product_id like '%$product_id%'
63                                           and name like '%$name%'
64                                           and category like '%$category%'
65       and brand_name like '%$brand_name%'
66
67       and (certification like '%$certification%'";
68
69   if (($product_id != null || $name != null || $category != null || $Arrival_date1 != null ||$Arrival_date2 != null
70   || $Expiry1!=null || $Expiry2!=null || $Price1!=null || $Price2!=null || $brand_name ==null) && $certification==null)
71       $sql .= " or certification is null)";
72   else
73       $sql .= ")";
74
75   if ($product_id == null && $name == null && $category == null && $Arrival_date1== null && $Arrival_date2== null
76   && $Expiry1==null && $Expiry2==null && $Price1==null && $Price2==null && $certification==null && $brand_name ==null)
77   echo "<h2 style='text-align: center; color:black;'> Error: Try again!</h2>";
78   else    {        if ($Arrival_date1!= null)
79           $sql .= " and date >= '$Arrival_date1'";
80       if ($Arrival_date2 != null)
81           $sql .= " and date <= '$Arrival_date2'";
82       if ($Expiry1 != null)
83           $sql .= " and expiry >= '$Expiry1'";
84       if ($Expiry2 != null)
85           $sql .= " and expiry <= '$Expiry2'";
86       if ($Price1 != null)
87           $sql .= " and price >'$Price1'";
88       if ($Price2 != null)
89           $sql .= " and price < '$Price2'";
90
91
92       if (!($result = mysqli_query($con,$sql))) {
93       echo "Failed to get data.<br/>";
94   }
```

IX.   EDIT

15
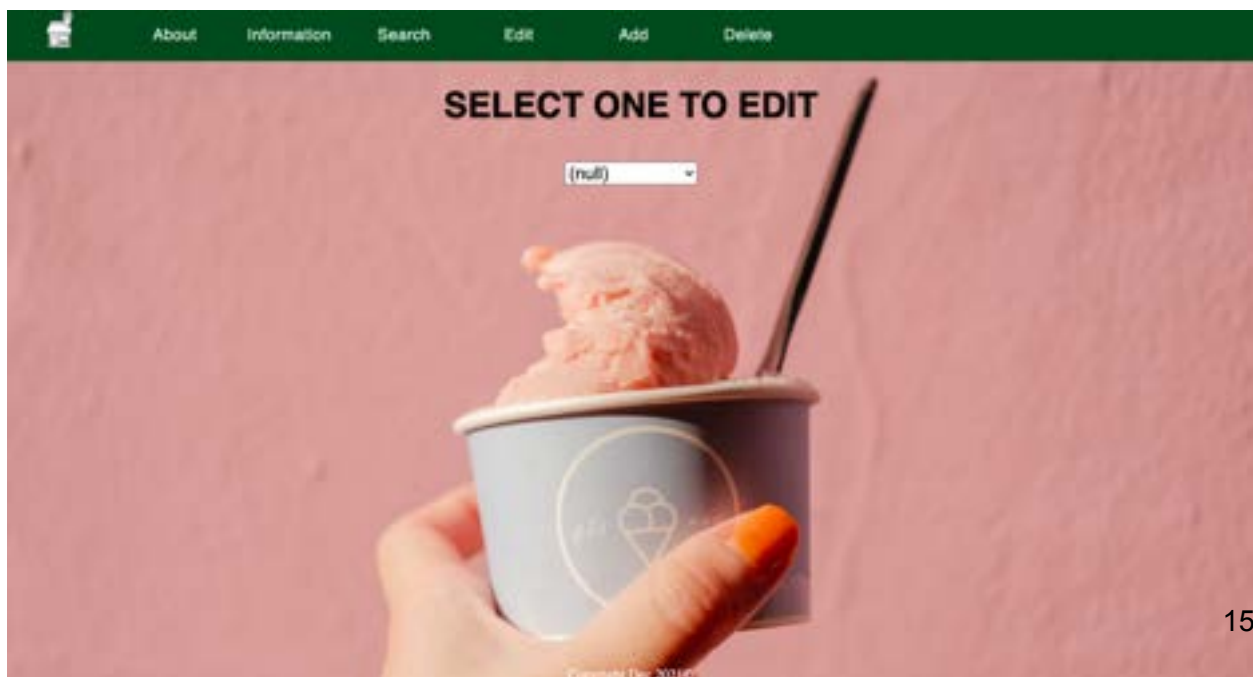
```
66   <div class="content">
67          <center><h1> SELECT ONE TO EDIT </h1>
68       <select id="choosing">
69
70       <option selected disabled>(null)</option>
71       <option value="editcustomer.html">Customer</a></option>
72       <option value="editsupplier.html">Supplier</option>
73       <option value="editproduct.html">Product</option>
74       <option value="edittransaction.html">Transaction</option>
75       </select>
76       </div>
```

When users choose to edit "Customer" table, a new page including all the attributes of "Customer" table will pop up. However, users have to type a Customer ID that already exists in our database, then choose any attribute that they want to edit.

PHP code:

```
2    $fname1 = $_POST["fname1"];
3    $fname2 = $_POST["fname2"];
4    $fname3 = $_POST["fname3"];
49   if (($fname1 == null) || ($fname1 != null && $fname3 == null)) echo "<h2 style='text-align: center; color:black;'> Error: Try again!</h2>";
50   else {
51       $sql = "update customer set $fname2 = '$fname3' where customer_id = '$fname1'";
52          if (!($result = mysqli_query($con,$sql))) {
53          echo "Failed to get data.<br/>";
54          }
55          echo "<h2 style='text-align: center; color:black;'> Successfully Edited</h2>";
56          echo "<h2 style='text-align: center; color:black;'> Please go back to the search site to check</h2>";
57   }
```

16

X.   ADD

HTML code:


```
73      <h1> FILL IN TO ADD NEW INFORMATION </h1>
74      <form action = "http://localhost/Add.php" method = "post">
75          <center>
76          <form>
77              <select name="f_from">
78              <option value="customer" selected>Customer</option>
79              <option value="product">Product</option>
80              <option value="supplier">Supplier</option>
81              <option value="transaction">Transaction</option>
82              </select>
83          <br>
84          <br>
85      <br>
86      Customer ID: <br><input type="text" name="TCustomer_id" >
87      <br>
88      <br>
89      Customer's Name: <br><input type="text" name="CName" >
90      <br>
91      <br>
92      Date Of Birth: <br><input type="date" name="DOB" >
93      <br>
94      <br>
95      Type: <br><input type="text" name="CType" >
96      <br>
97      <br>
98      Point: <br><input type="number" name="Point" >
99      <br>
100     <br>
101     Year: <br><input type="number" name="CYear" >
102     <br>
103     <br>
104     Customer's Address: <br><input type="text" name="CAddress" >
105     <br>
106     <br>
107     Customer's City: <br><input type="text" name="CCity" >
108     <br>
109     <br>
110     Customer's Phone number: <br><input type="number" name="CPhone" >
111     <br>
112     <br>
113     Customer's Email: <br><input type="text" name="CEmail" >
```

If users want to add a new tuple into the "Customer" table, they have to fill in all boxes shown on the page for the query to be executed.

PHP code:

```
3    $type = $_POST["t_from"];
4    $TCustomer_id = $_POST["TCustomer_id"];
5    $CName = $_POST["CName"];
6    $DOB = $_POST["DOB"];
7    $CType = $_POST["CType"];
8    $Point = $_POST["Point"];
9    $CYear = $_POST["CYear"];
10   $CAddress = $_POST["CAddress"];
11   $CCity = $_POST["CCity"];
12   $CPhone = $_POST["CPhone"];
13   $CEmail = $_POST["CEmail"];
100
101  if ($type == 'customer'){
102      if ($TCustomer_id == null || $CName == null || $DOB == null || $CType == null || $Point == null || $CYear == null
103      || $CAddress == null || $CCity == null || $CPhone == null || $CEmail == null)
104          echo "Try again";
105      else {
106      $sql = "insert into customer values ($TCustomer_id, '$CName', '$DOB', '$CType', $Point, $CYear, '$CAddress', '$CCity', $CPhone, '$CEmail')";
107          if (!($result = mysqli_query($con,$sql))) {
108          echo "Failed to get data.<br/>";
109          }
110          echo "<h2 style='text-align: center; color:black;'> Successfully Added</h2>";
111      echo "<h2 style='text-align: center; color:black;'> Please go back to the search site to check</h2>";
112  }
113  }
```
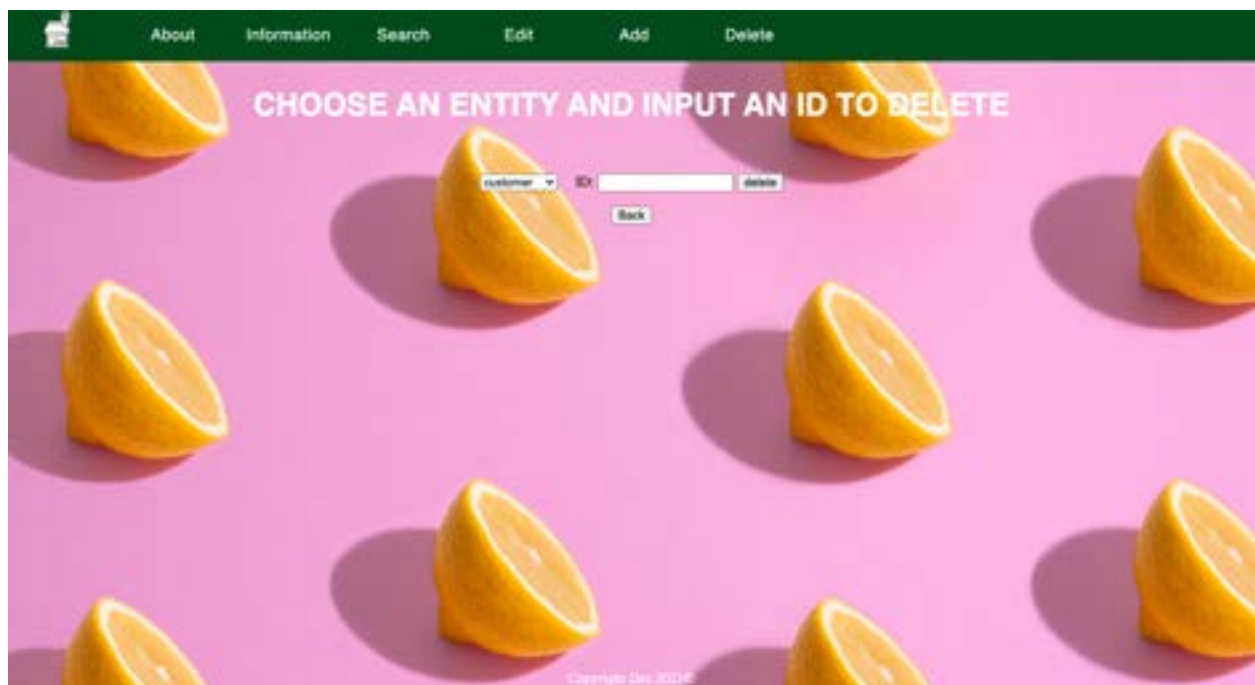
XI.   DELETE

HTML code:

```
62    <center>
63        <h2>CHOOSE AN ENTITY AND INPUT AN ID TO DELETE</h2>
64        <br>
65        <form action = "http://localhost/delete.php" method = "post">
66        <form>
67        <select name="f_from">
68        <option value="customer" selected>customer</option>
69        <option value="product">product</option>
70        <option value="supplier">supplier</option>
71        <option value="transaction">transaction</option>
72        </select>
73
74            ID: <input type="text" name="id" >
75        <input type="submit" value="delete">
76        </form>
77
78        <form action="web.html" >
79        <form>
80        <input type="submit" value="Back">
81        </form>
82    </center>
```

In case users want to delete a row in "Customer" table, they only need to type a Customer ID in the box, then all the information of that customer will be automatically deleted.

PHP code:
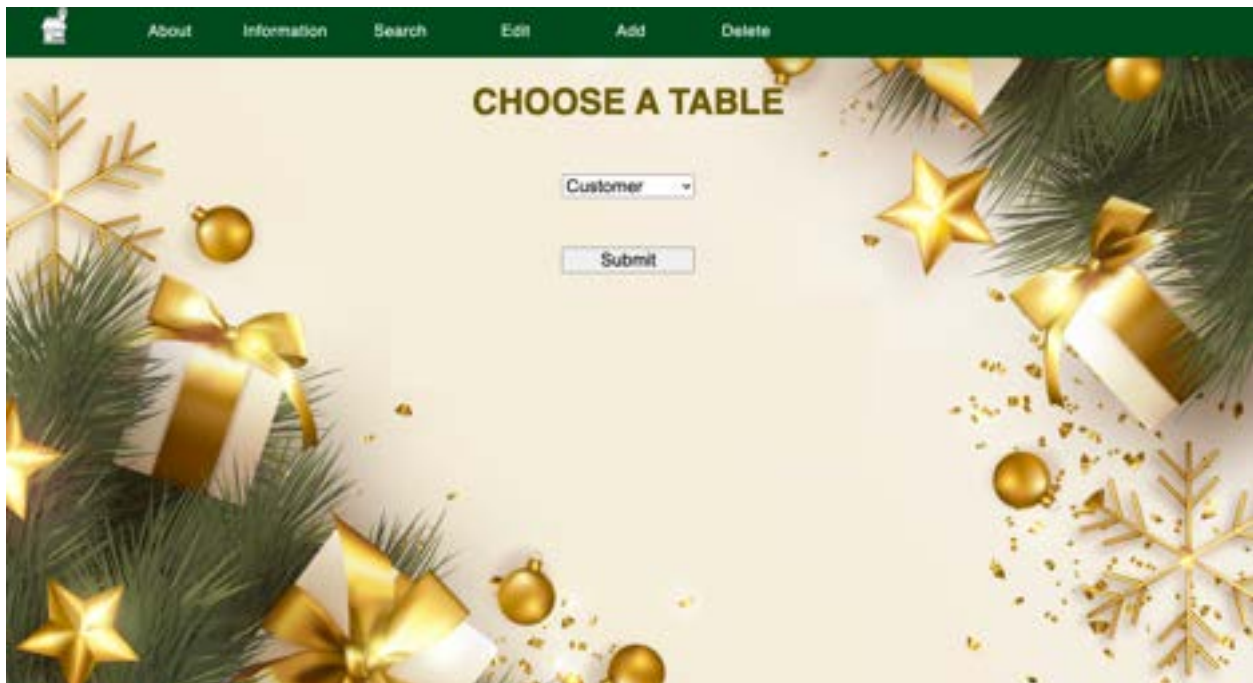
```
3     $type = $_POST["f_from"];
4     $id = $_POST["id"];
48    if ($type == 'customer'){
49        if ($id == null) echo "<h2 style='text-align: center; color:black;'> Error: Try again!</h2>";
50        else {
51            $sql = "delete from customer where customer_id = '$id' ";
52            if (!($result = mysqli_query($con,$sql))) {
53            echo "Failed to get data.<br/>";
54        }
55        echo "<h2 style='text-align: center; color:black;'> Successfully Deleted</h2>";
56        echo "<h2 style='text-align: center; color:black;'> Please go back to the search site to check</h2>";
57    }
58    }
```

XII. APPENDIX

1. Show All

2. Show Attributes

SELECT ATTRIBUTES TO SHOW CUSTOMER

- ☐ Customer ID
- ☑ Customer Name
- ☑ Date of Birth
- ☐ Type
- ☑ Point
- ☑ Year
- ☑ Customer Address
- ☐ City
- ☐ Customer Phone
- ☐ Customer Email

[SHOW]

HERE IS YOUR RESULT

Customer Name	Date of Birth	Point	Year	Customer Address
Bethany Donovan	1911-12-12	436	2	429 Hawthorne Street
Norman Clay	2001-03-03	499	3	8733 School Lane
Desiree Gallagher	2002-08-08	566	4	84 Kirkland Street
Clayton Holden	1993-11-22	324	2	59 Overlook Lane
Bianca Medina	1971-11-11	435	2	415 Laurel Drive
Nigel Garza	1937-08-10	346	0	975 Grant Street
Risa Reid	1982-04-05	756	4	449 Cherry St.
Liberty Gibson	2007-06-09	1024	8	787 Clay St.
Nadine Wilson	1967-09-09	123	1	334 Thomas Drive
Noel Garcia	1959-12-25	1234	8	9655 Rose Drive
Quynn Barry	1955-10-21	122	1	496 Peg Shop Court
Nissim Herman	1989-03-13	323	2	5 University Street
Hadley Snider	1920-10-20	423	1	754 Bradford St.
Leandra Parker	2004-11-06	234	3	1 Clay Ave.
Cailin Finch	1986-09-09	323	0	600 Van Dyke St.
Jelani Fisher	1999-08-07	1425	7	7971 State Lane
Zachery Velasquez	1987-07-05	796	5	7204 Gates Lane
Colt Velazquez	1960-08-11	412	3	83 Cypress Street
Todd Lamb	2002-02-02	234	0	391 Joy Ridge Street
Carter Morales	1938-09-05	141	3	73 Randall Mill Lane
Derek Bridges	2003-01-02	888	4	216 S. Linden Drive
Robert Franks	1996-11-07	567	6	797 South Argyle Street
Demetria Benjamin	1999-02-06	12	2	584 Squaw Creek Ave.
Rajah Livingston	1972-04-05	24	2	59 Blue Spring Dr.
Yen Myers	1966-01-05	3002	9	694 Philmont Street
Nadine Gomez	1981-09-09	23	3	8195 Park St.

3. Search
a. Search Supplier

supplier_id	name	type	supplier_address	city	postcode	supplier_phone	supplier_email	standard	year
81102	WESCO International	Wholesalers	413 Elm Park	Juneau	96732	8088771	wescoint0@gmail.com	ISO-9001	2001

b. Search Product

HERE IS YOUR RESULT

Product ID	Name	Category	Brand Name	Arrival date	Expiry	Price	Certification
821105	ice cream	Frozen Foods	Eskimo	2021-10-07	2023-12-05	61.38	
748346	individual meals	Frozen Foods	Eskimo	2021-01-27	2023-09-14	36.23	

4. **Edit**

FILL IN TO EDIT CUSTOMER

HERE IS YOUR RESULT

Successfully Edited

Please go back to the search site to check

Back

5. Add

6. Delete

THE END.