

# MINI PROJECT REPORT

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SUPERMARKET  
DATABASE  
MANAGEMENT

25 DECEMBER 2021

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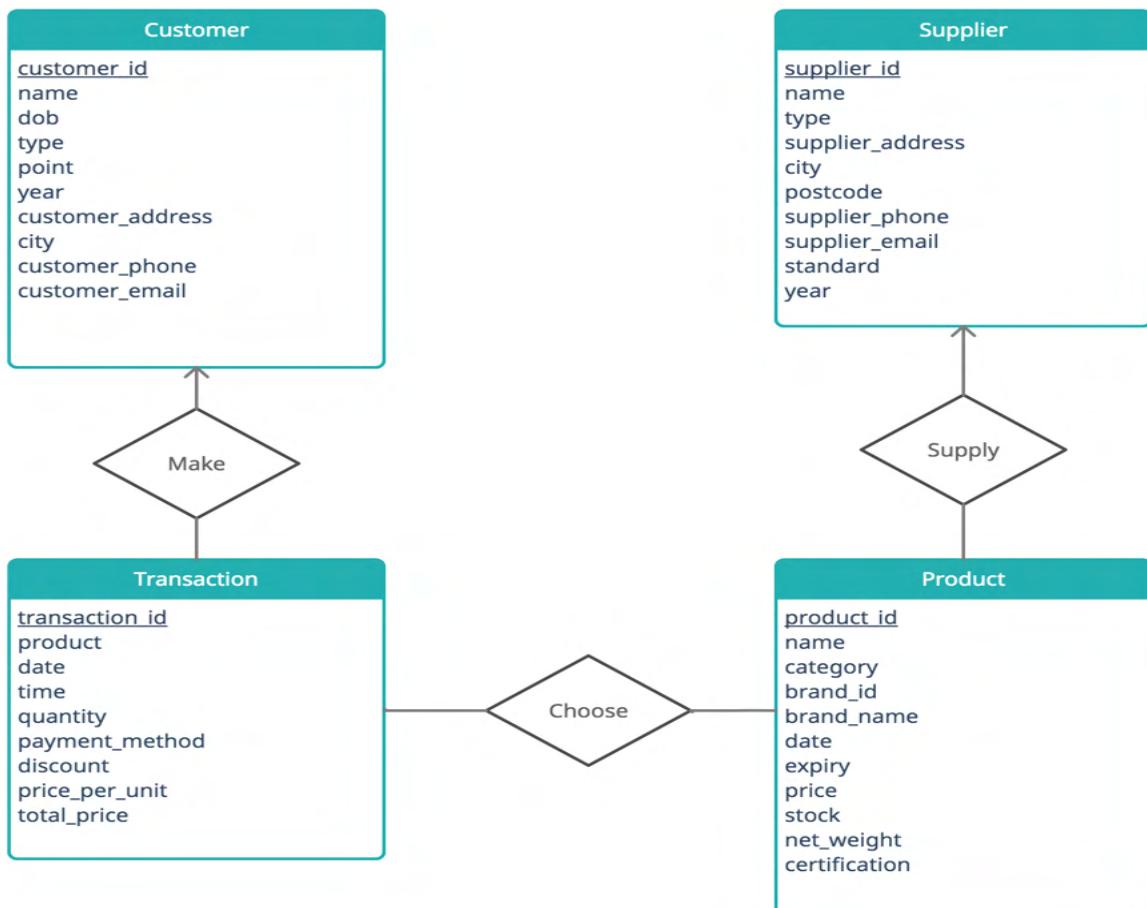
## I. INTRODUCTION

A simple supermarket sale management system manages multiple sets of data:

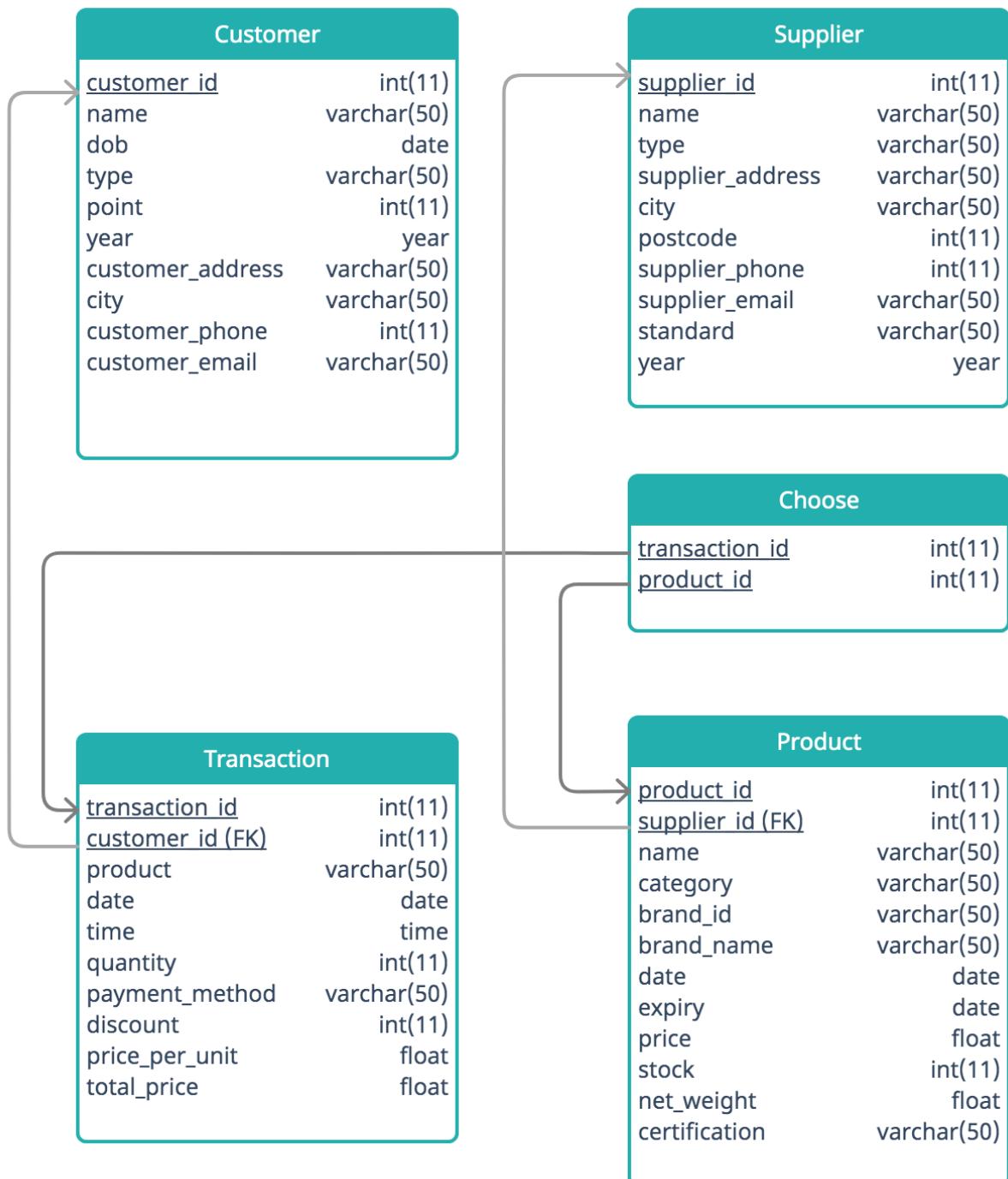
- product information contains identifier, name, category, brand identifier, brand name, arrival date, expiry, price, stock, net weight, certification.
- supplier information contains identifier, name, type, address, city, postcode, phone, email, standard, year.
- customer information contains identifier, 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)



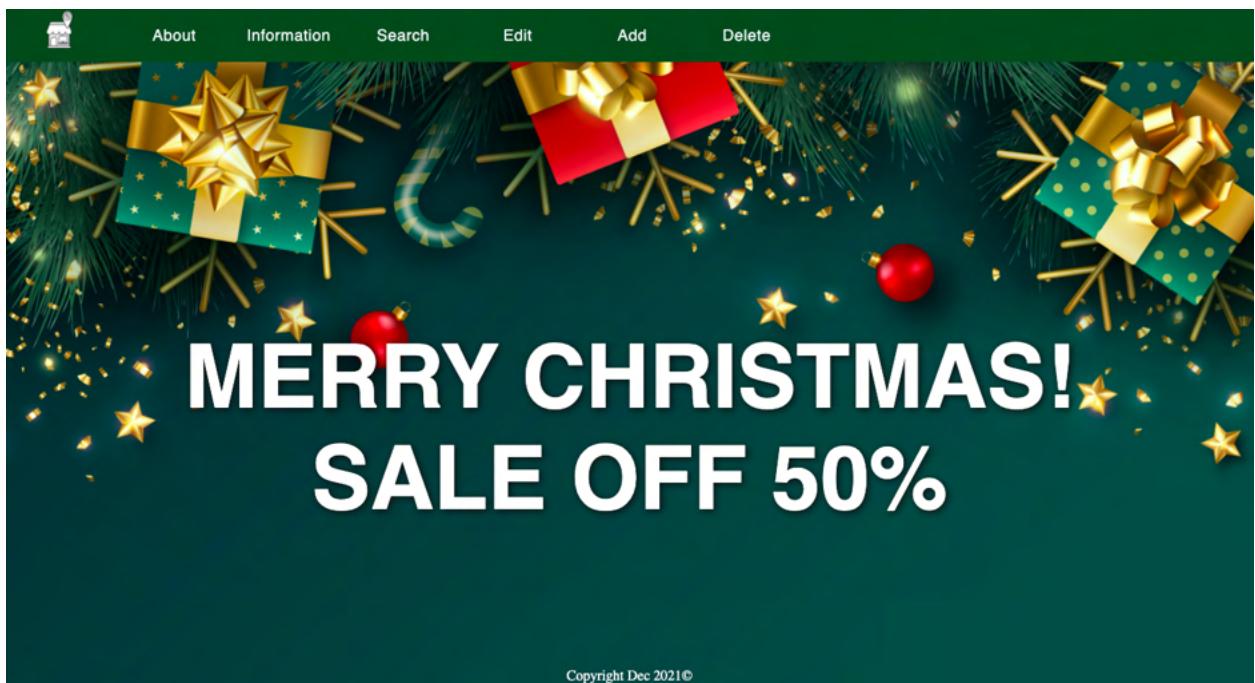
### III. DATABASE DESIGN SCHEMA



#### **IV. TASK ALLOCATION**

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

#### **V. HOMEPAGE**



## HTML code:

```
④ web.html ×
Applications > XAMPP > xamppfiles > htdocs > ④ 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                 
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:

```
# style.css  X  
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

The screenshot shows a website with a dark teal background. At the top, there is a navigation bar with icons for a house, About, Information, Search, Edit, Add, and Delete. The main title "Best Choice" is displayed prominently in large white serif font. Below the title is a sub-headline "We have everything you need!" followed by social media icons for Instagram, Facebook, and Twitter. To the right, there are three horizontal lines of text: "Founded by TMH", "Headquarter: District 7, HCMC", and "Since 2021". A world map is visible in the background. At the bottom, a copyright notice "Copyright Dec 2021©" is present.

## VII. INFORMATION

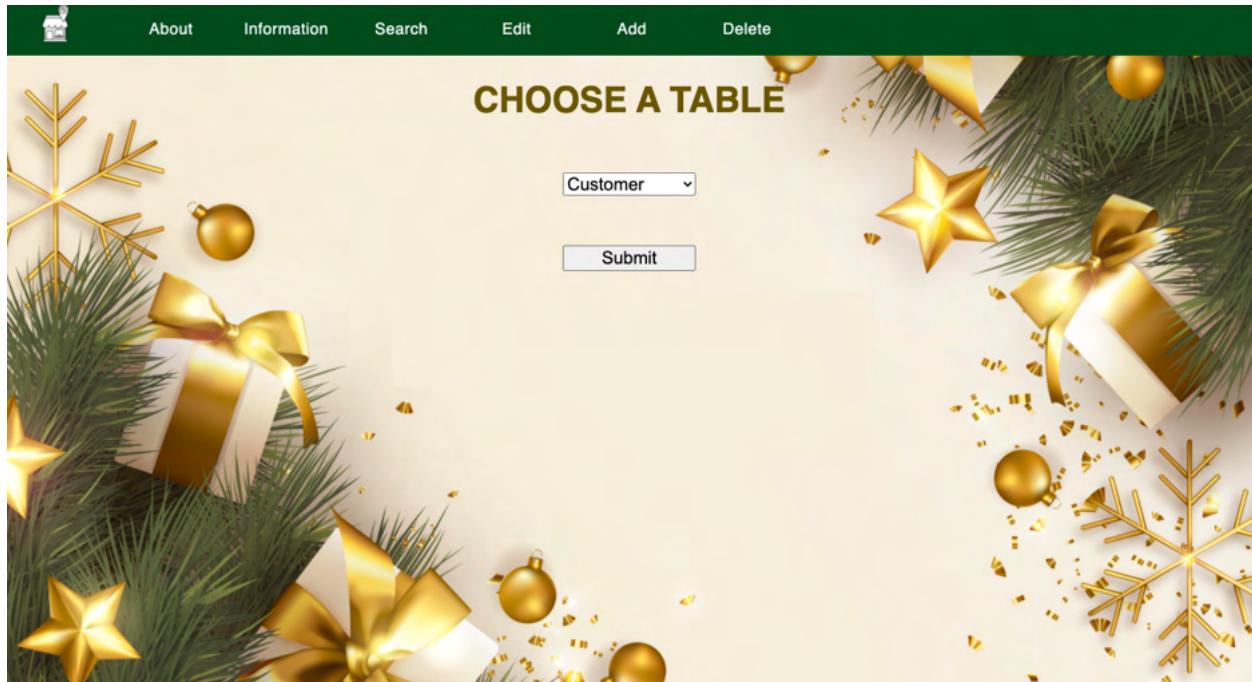
The screenshot shows a website with a light brown wooden background. At the top, there is a navigation bar with icons for a house, About, Information, Search, Edit, Add, and Delete. The main title "CHOOSE TO SHOW" is displayed in large, bold, brown letters. In the center, there is a dark rectangular button with the words "show ADD" in yellow and "show ATTRIBUTE" in red. Below the button, there is a photograph of baking ingredients: flour in a bag, a whisk, eggs in a carton, a mixing bowl with a wooden spoon, sugar in a bowl, and butter in a bowl. At the bottom, a copyright notice "Copyright Dec 2021©" is present.

```

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             |   
71         </div>
72     </a>
73
74     <a class="active" href="showattribute.html" title="Show Attribute" target="_self">
75         <div class="column">
76             |   
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:



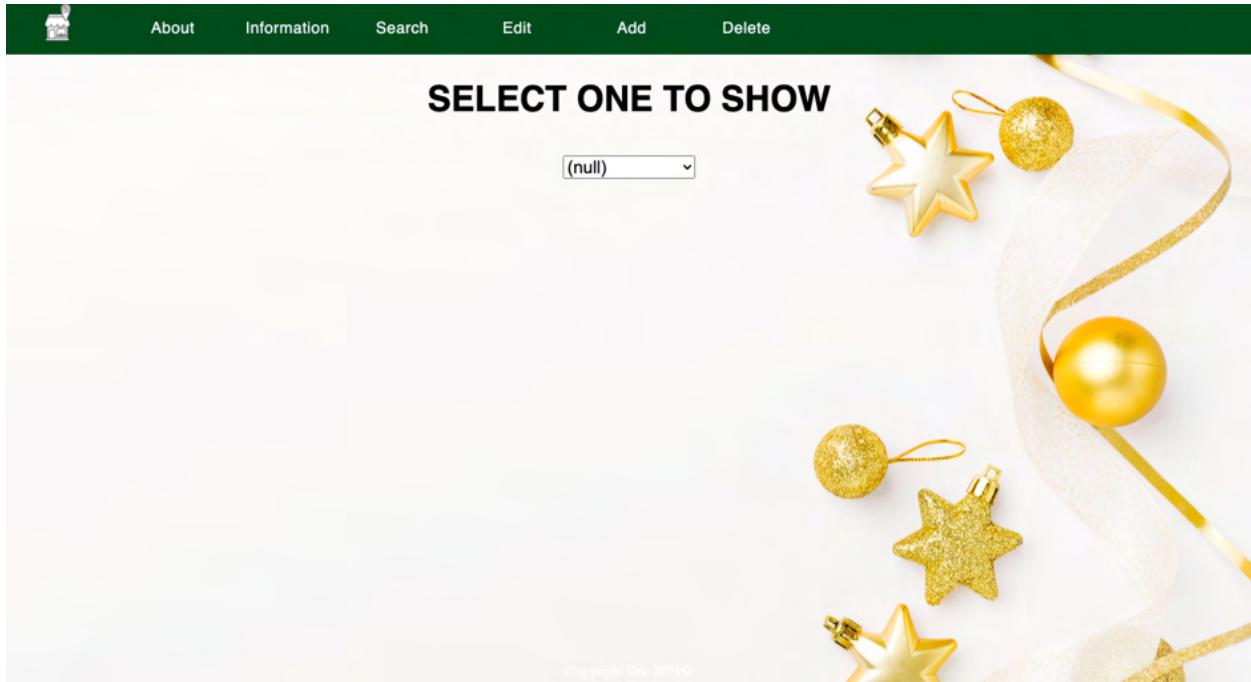
HTML code:

```
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:

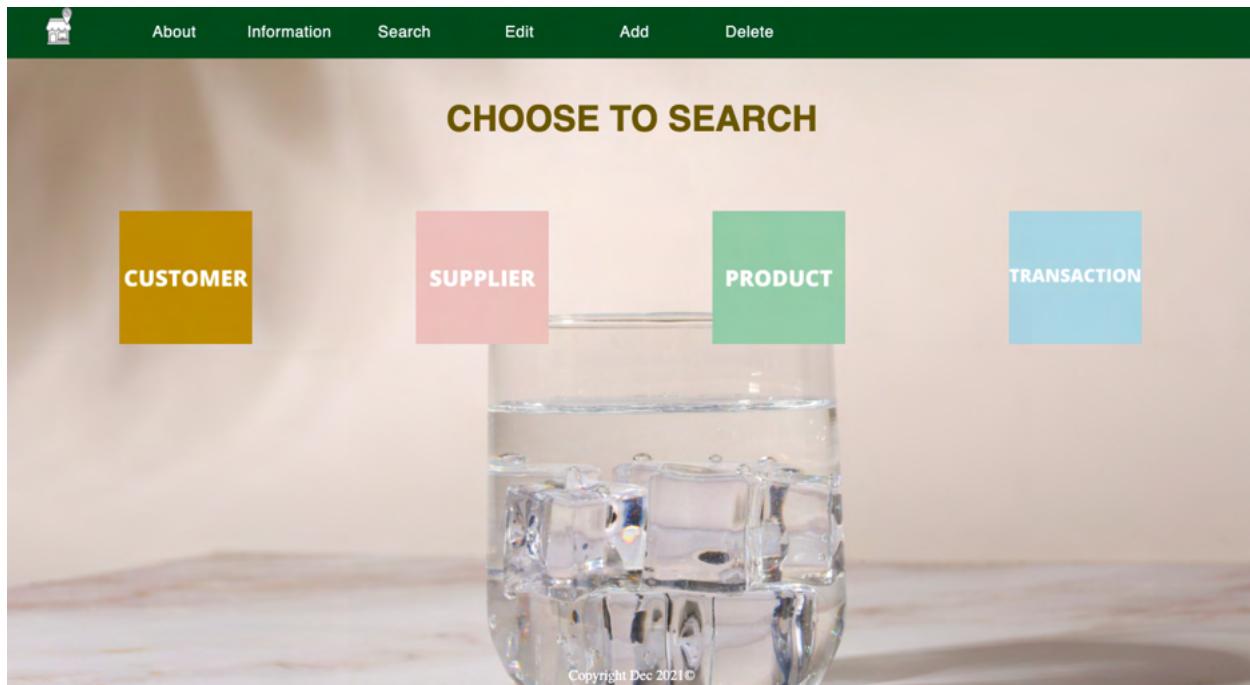
```

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:

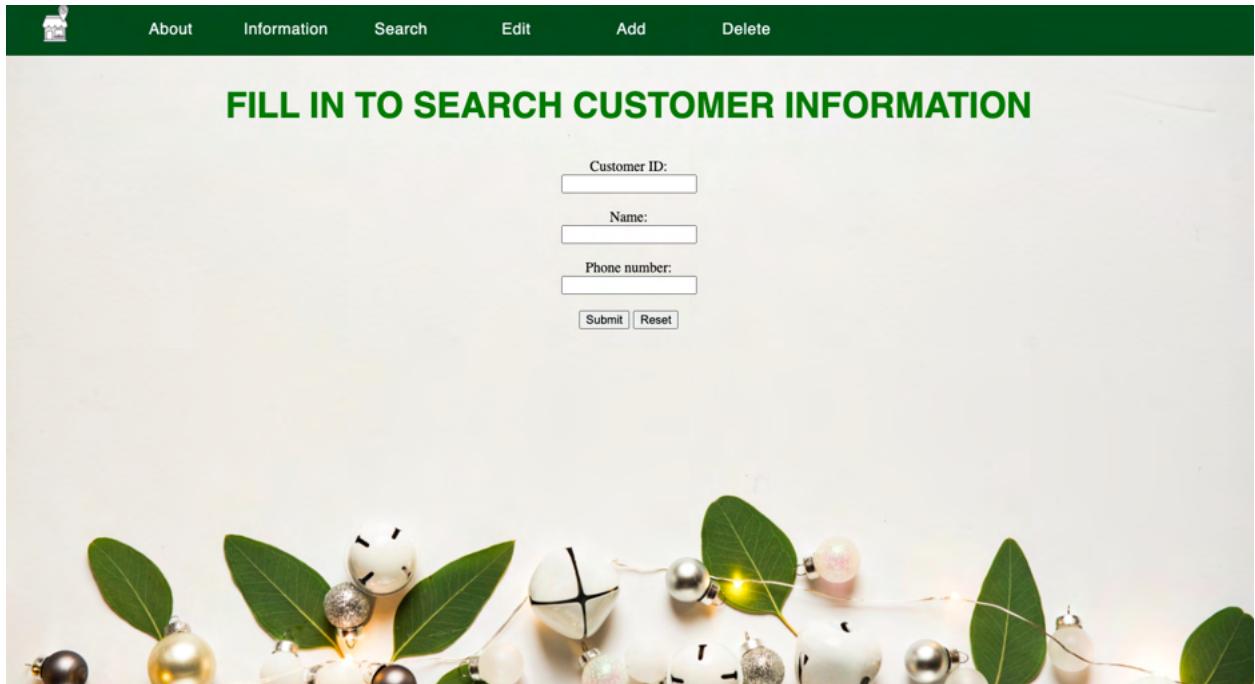
```
54 $sql = "select ";
55 if ($customer_id) {
56     $sql .= "customer_id ";
57     $count++;
58 }
59 if ($name) {
60     $count++;
61     if ($count >= 2)
62     {
63         $sql .= ",";
64     }
65     $sql .= " name ";
66 }
67
68 if ($dob) {
69     $count++;
70     if ($count >= 2)
71     {
72         $sql .= ",";
73     }
74     $sql .= " dob ";
75 }
76
77 if ($type) {
78     $count++;
79     if ($count >= 2)
80     {
81         $sql .= ",";
82     }
83     $sql .= " type ";
84 }
85
86 if ($point) {
87     $count++;
88     if ($count >= 2)
89     {
90         $sql .= ",";
91     }
92     $sql .= " point ";
93 }
94
95 if ($year) {
96     $count++;
97     if ($count >= 2)
98     {
99         $sql .= ",";
100    }
101    $sql .= " year ";
102 }
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123 if ($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       
68     </div>
69   </a>
70
71   <a class="active" href="searchsupplierinfo.html" title="Search Supplier Information" target="_self">
72     <div class="column">
73       
74     </div>
75   </a>
76
77   <a class="active" href="searchproductinfo.html" title="Search Product Information" target="_self">
78     <div class="column">
79       
80     </div>
81   </a>
82
83   <a class="active" href="searchtransactioninfo.html" title="Search Transaction Information" target="_self">
84     <div class="column">
85       
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”.



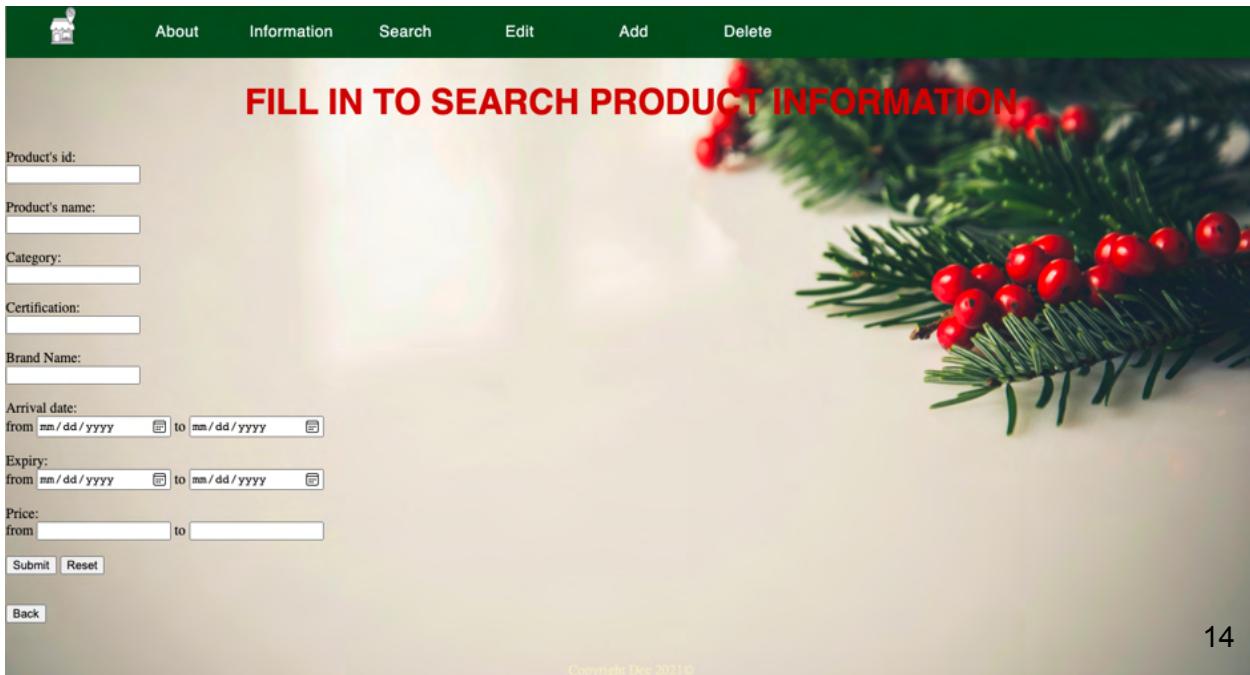
PHP code:

```

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     }

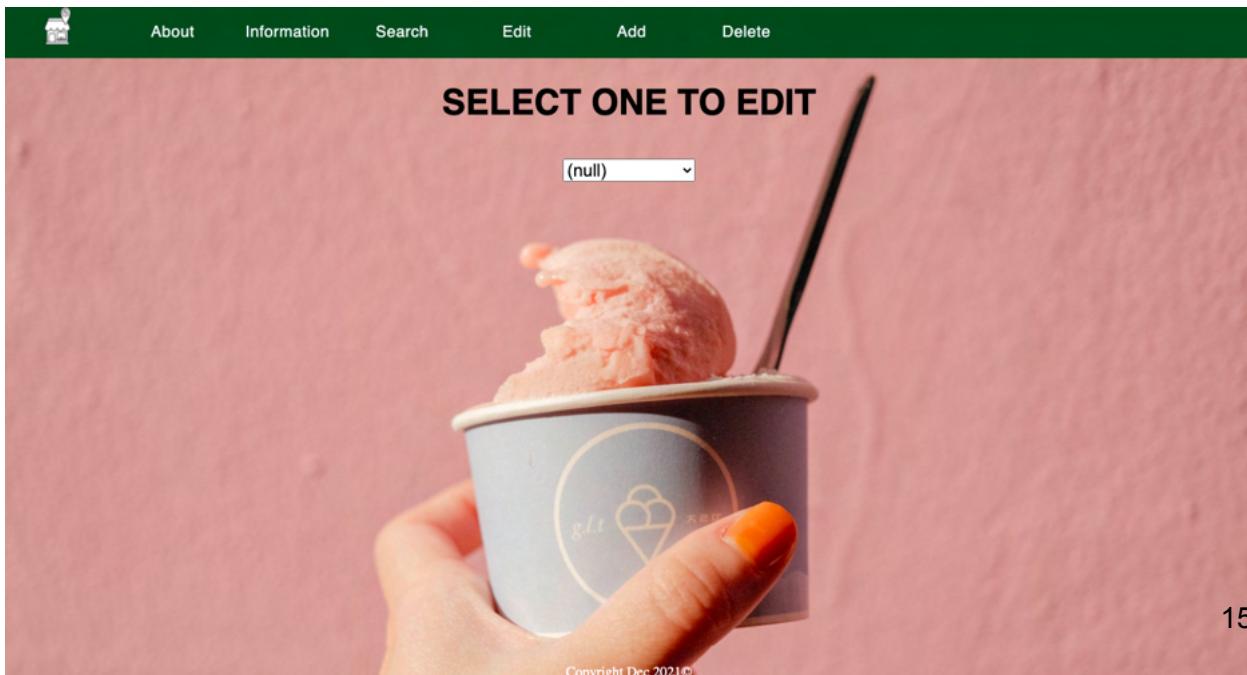
```

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:



PHP code:

## **IX. EDIT**



```

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.

The screenshot shows a web browser window with a dark green header bar containing navigation links: About, Information, Search, Edit, Add, and Delete. Below the header is a large, semi-transparent watermark of a white cloud against a light blue background. The main content area has a light gray background and features a bold black title "FILL IN TO EDIT CUSTOMER". Below the title is a form with the following fields:

- A text input field labeled "Customer ID:" with a placeholder value.
- A dropdown menu labeled "Customer Name" with a placeholder value.
- Two buttons: "Submit" and "Reset".
- A small "Back" button at the bottom left of the form area.

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 }

```

## X. ADD



**FILL IN TO ADD NEW INFORMATION**

Customer

Customer ID:

Customer's Name:

Date Of Birth:

Type:

Point:

Year:

Customer's Address:

Customer's City:

Customer's Phone number:

Customer's Email:

HTML code:

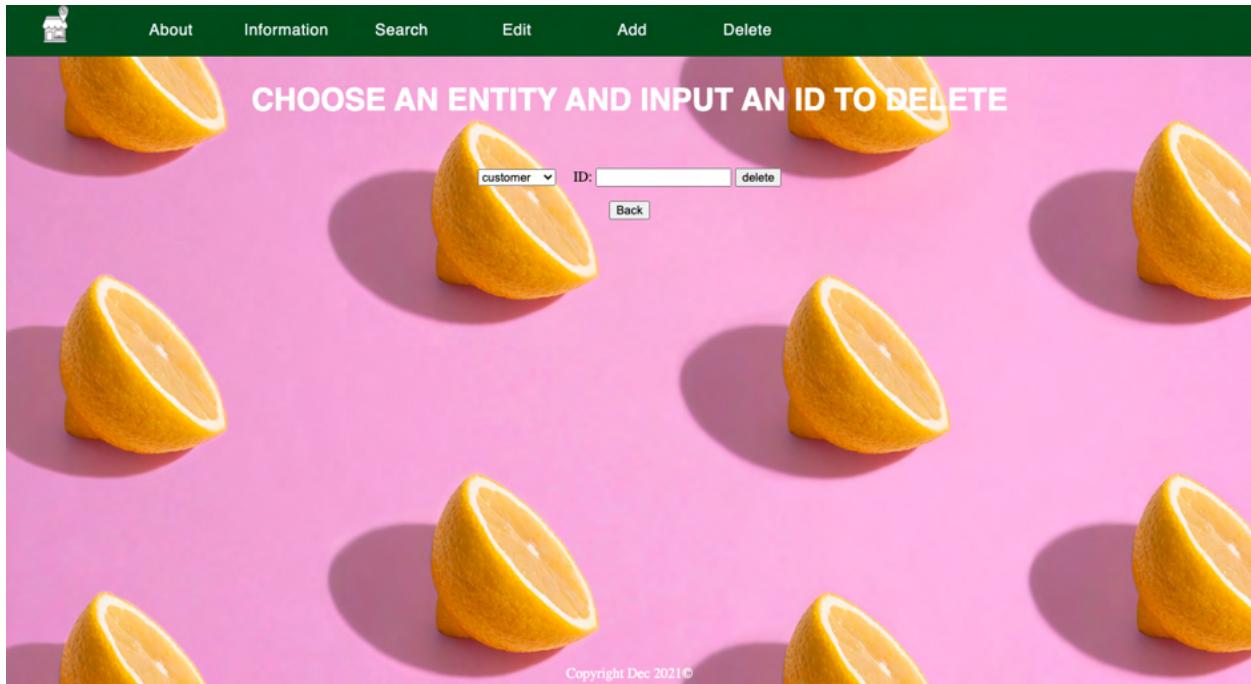
```
73 <h1> FILL IN TO ADD NEW INFORMATION </h1>
74 <form action = "http://localhost/Add.php" method = "post">
75     <center>
76         <form>
77             <select name="f_from">
78                 <option value="customer" selected>Customer</option>
79                 <option value="product">Product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

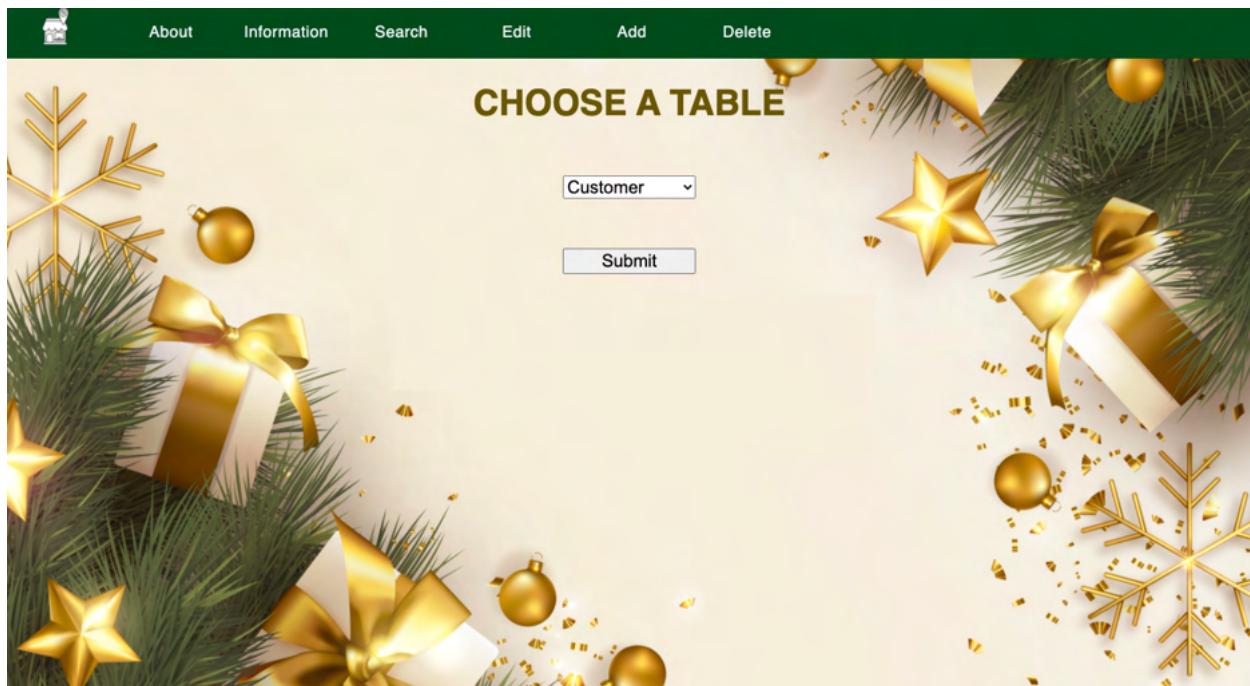
In case users want to delete a row in “Customer” table, they only need to type a Customer ID in the box, then all the information of that customer will be automatically deleted.

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



**CHOOSE A TABLE**

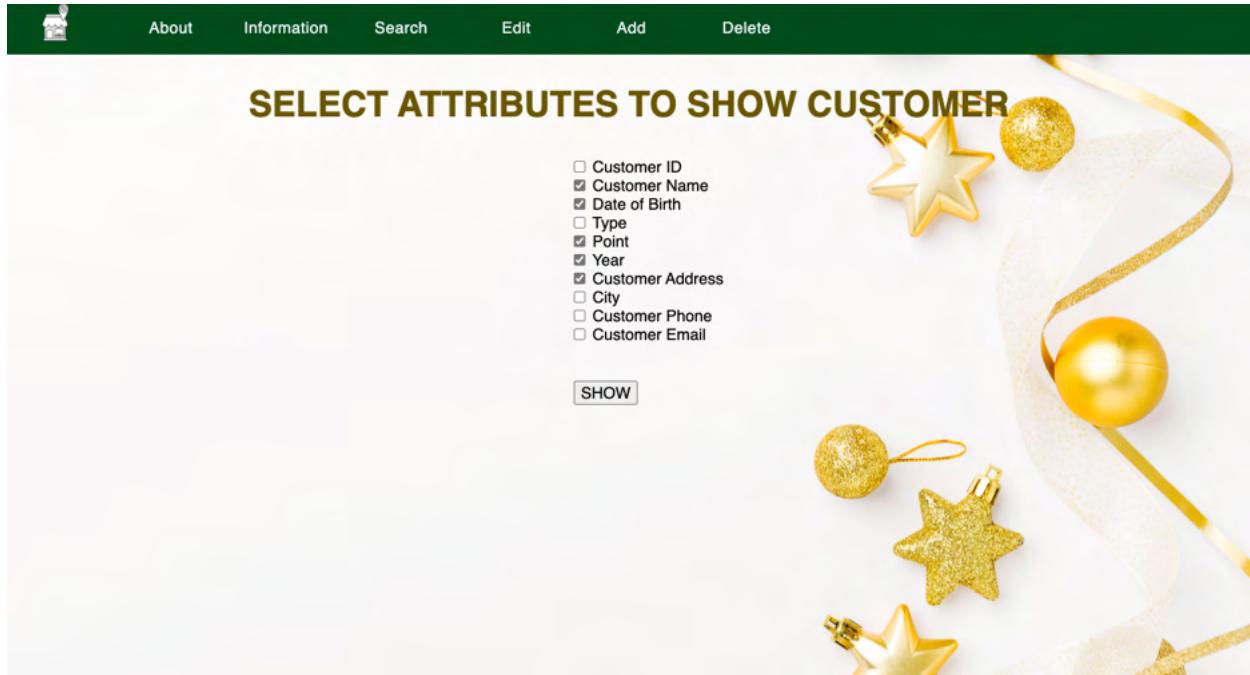
Customer

Submit

**HERE IS YOUR RESULT**

Customer_id	Name	DOB	Type	Point	Year	Address	City	Phone	Email
2	Bethany Donovan	1911-12-12	Bronze	436	2	429 Hawthorne Street	Phoenix	1357467268	bethanydonovan@yahoo.net
3	Norman Clay	2001-03-03	Bronze	499	3	8733 School Lane	Phoenix	518627912	normanclay8535@edu.net
4	Desiree Gallagher	2002-08-08	Silver	566	4	84 Kirkland Street	San Antonio	521675069	desireegallagher6648@edu.com
5	Clayton Holden	1993-11-22	Bronze	324	2	59 Overlook Lane	Chicago	1598899120	claytonholden@edu.net
6	Bianca Medina	1971-11-11	Bronze	435	2	415 Laurel Drive	Chicago	351302044	biancamedina3598@yahoo.com
7	Nigel Garza	1937-08-10	Bronze	346	0	975 Grant Street	Chicago	1893793524	nigelgarza@yahoo.com
8	Risa Reid	1982-04-05	Silver	756	4	449 Cherry St.	Houston	1209723881	risareid@yahoo.net
9	Liberty Gibson	2007-06-09	Gold	1024	8	787 Clay St.	Houston	276835598	libertygibson@yahoo.net
10	Nadine Wilson	1967-09-09	Bronze	123	1	334 Thomas Drive	Houston	389888086	nadinewilson@yahoo.com
11	Noel Garcia	1959-12-25	Gold	1234	8	9655 Rose Drive	Chicago	405853636	noelgarcia6504@edu.net
12	Quynn Barry	1955-10-21	Bronze	122	1	496 Peg Shop Court	Phoenix	1273542414	quynnbarry8411@yahoo.net
13	Nissim Herman	1989-03-13	Bronze	323	2	5 University Street	Houston	336143326	nissimherman2882@gmail.com
14	Hadley Snider	1920-10-20	Bronze	423	1	754 Bradford St.	Phoenix	812859897	hadleysnider1008@gmail.com
15	Leandra Parker	2004-11-06	Bronze	234	3	1 Clay Ave.	Chicago	43373962	leandraparker4767@edu.com
16	Cailin Finch	1986-09-09	Bronze	323	0	600 Van Dyke St.	Houston	201450316	cailinfinch4159@gmail.com
17	Jelani Fisher	1999-08-07	Gold	1425	7	7971 State Lane	Atlanta	764536115	jelanifisher1921@yahoo.com
18	Zachery Velasquez	1987-07-05	Silver	796	5	7204 Gates Lane	Chicago	1704471329	zacheryvelasquez@gmail.com
19	Colt Velazquez	1960-08-11	Bronze	412	3	83 Cypress Street	San Antonio	1823542496	coltvelazquez@yahoo.net
20	Todd Lamb	2002-02-02	Bronze	234	0	391 Joy Ridge Street	Atlanta	1405773487	todd lamb b6288@gmail.com
21	Carter Morales	1938-09-05	Bronze	141	3	73 Randall Mill Lane	San Jose	1112277021	cartermorales@gmail.com
22	Derek Bridges	2003-01-02	Silver	888	4	216 S. Linden Drive	Atlanta	243405169	derekbridges4193@edu.net
23	Robert Franks	1996-11-07	Silver	567	6	797 South Argyle Street	San Jose	709367451	robertfranks@edu.com
24	Demetria Benjamin	1999-02-06	Bronze	12	2	584 Squaw Creek Ave.	Los Angeles	731377099	demetriabenjamin@yahoo.net
25	Rajah Livingston	1972-04-05	Bronze	24	2	59 Blue Spring Dr.	Los Angeles	1252292615	rajahlivingston722@edu.net
26	Yen Myers	1966-01-05	VIP	3002	9	694 Philmont Street	San Antonio	1644146823	yennmyers5740@edu.net
27	Nadine Gomez	1981-09-09	Bronze	23	3	8195 Park St.	Los Angeles	1561772072	nadinegomez@gmail.com
28	Tatiana Brady	1944-09-01	Gold	1479	8	768 Carpenter Ave.	Dallas	1544484445	tatianabradyp6291@yahoo.net

## 2. Show Attributes



About    Information    Search    Edit    Add    Delete

### SELECT ATTRIBUTES TO SHOW CUSTOMER

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

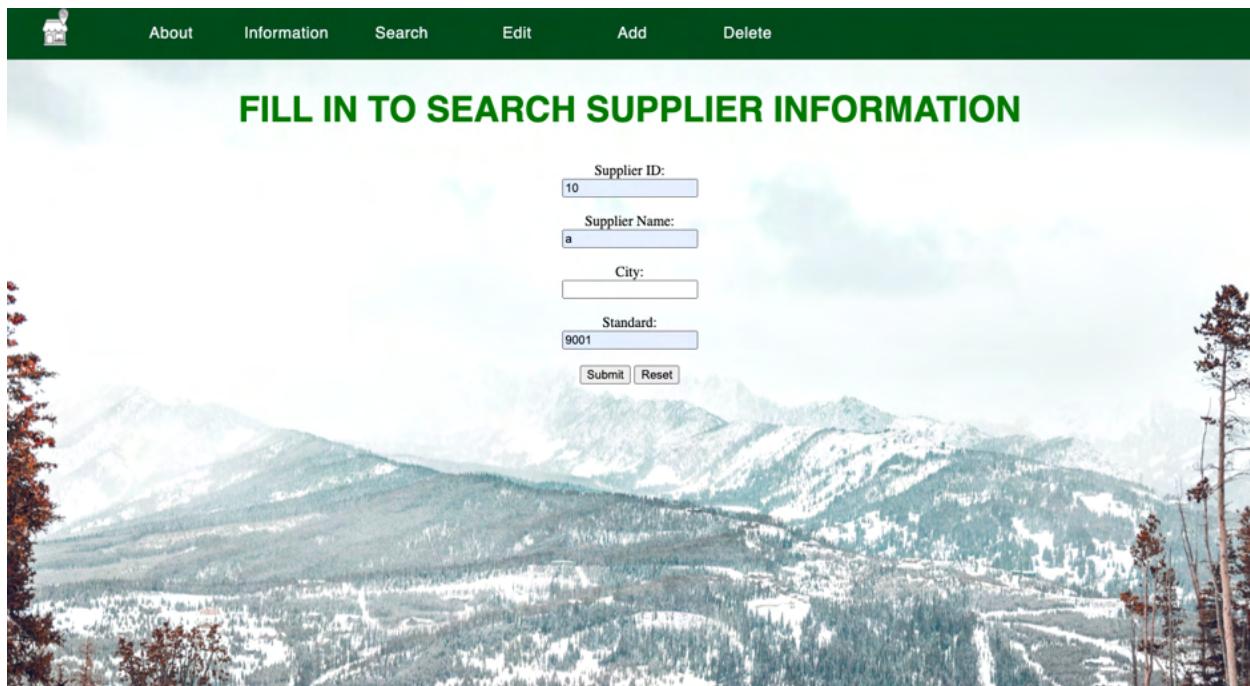
**SHOW**

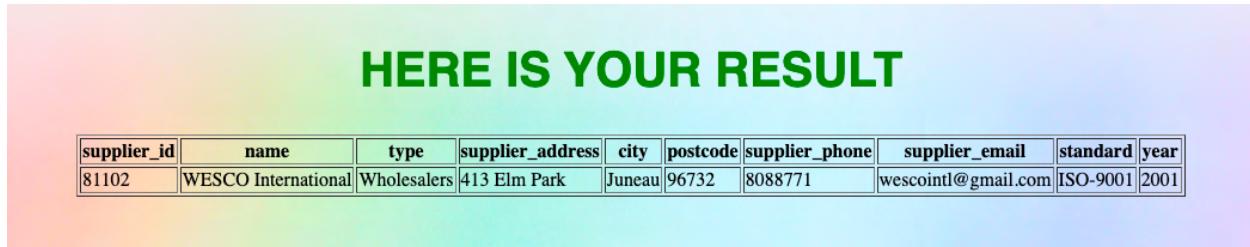
**HERE IS YOUR RESULT**

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

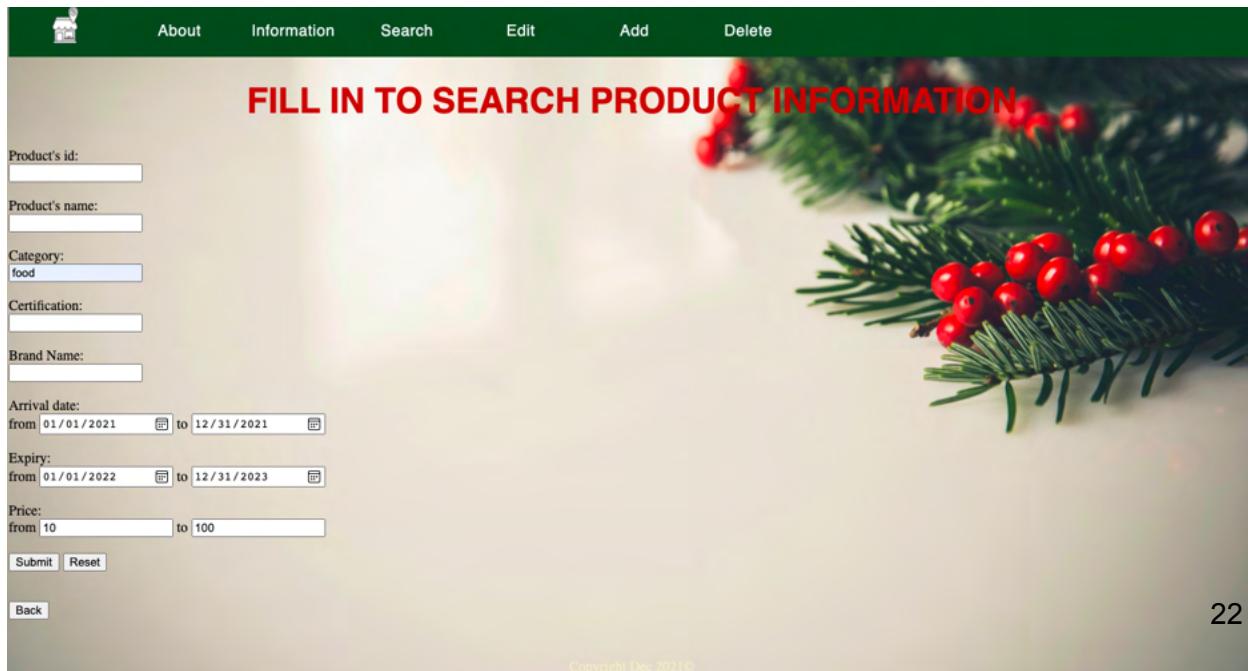
#### a. Search Supplier

A screenshot of a web application for searching supplier information. The header has links for About, Information, Search, Edit, Add, and Delete. Below the header is a large green banner with the text "FILL IN TO SEARCH SUPPLIER INFORMATION". The main content area contains four input fields: "Supplier ID:" with value "10", "Supplier Name:" with value "a", "City:" with value "", and "Standard:" with value "9001". There are "Submit" and "Reset" buttons at the bottom. The background of the page features a scenic view of snow-covered mountains and evergreen trees.

A screenshot showing the search results for a supplier. The results are presented in a table with the following data:

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

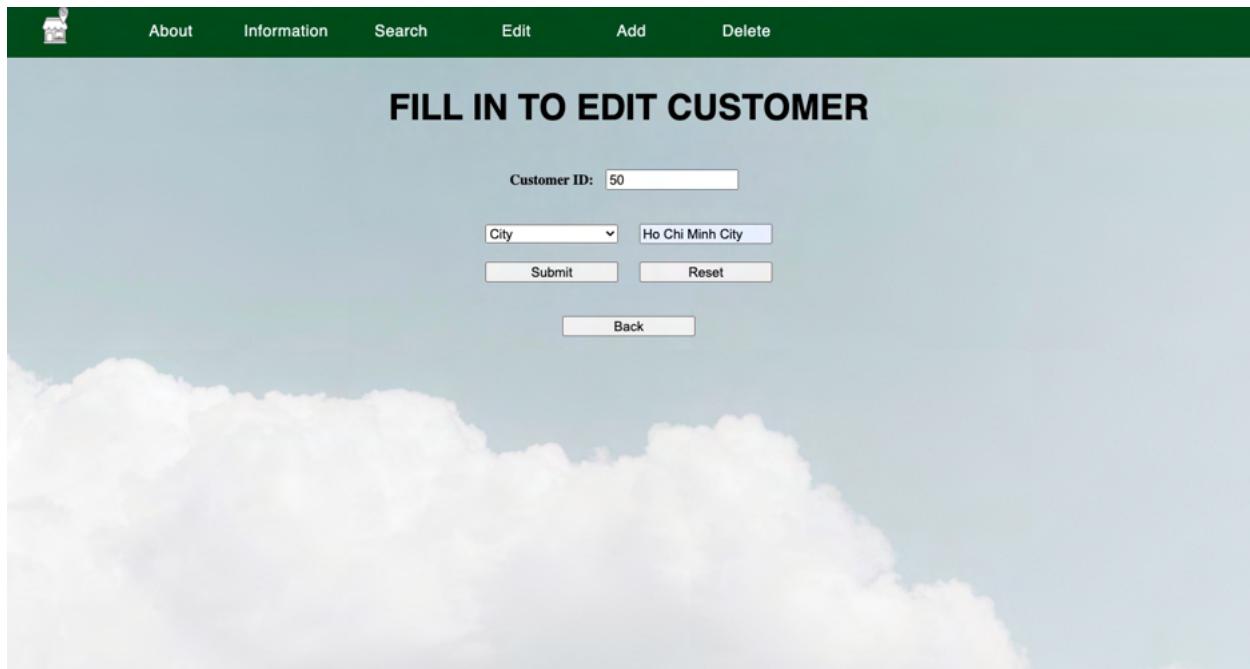
#### b. Search Product

A screenshot of a web application for searching product information. The header has links for About, Information, Search, Edit, Add, and Delete. Below the header is a red banner with the text "FILL IN TO SEARCH PRODUCT INFORMATION". The main content area contains several input fields: "Product's id:", "Product's name:", "Category:" (with value "food"), "Certification:", "Brand Name:", "Arrival date:" (from 01/01/2021 to 12/31/2021), "Expiry:" (from 01/01/2022 to 12/31/2023), "Price:" (from 10 to 100), and "Submit" and "Reset" buttons. The background of the page features a close-up image of a Christmas wreath made of green pine branches and red berries.

# 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



A screenshot of a web application interface titled "FILL IN TO EDIT CUSTOMER". The page has a dark green header bar with navigation links: "About", "Information", "Search", "Edit", "Add", and "Delete". Below the header, the main content area features a form with the following fields:  
- Customer ID:   
- City:  (with a dropdown arrow icon)  
- Buttons: "Submit" and "Reset"  
- A "Back" button at the bottom.

# HERE IS YOUR RESULT

**Successfully Edited**

**Please go back to the search site to check**

[Back](#)

## 5. Add



**FILL IN TO ADD NEW INFORMATION**

Customer ID:  
51

Customer's Name:  
Hang Tran

Date Of Birth:  
12 / 01 / 2021

Type:  
VIP

Point:  
124

Year:  
2

Customer's Address:  
123, Di An

Customer's City:  
Hue

Customer's Phone number:  
0378062576

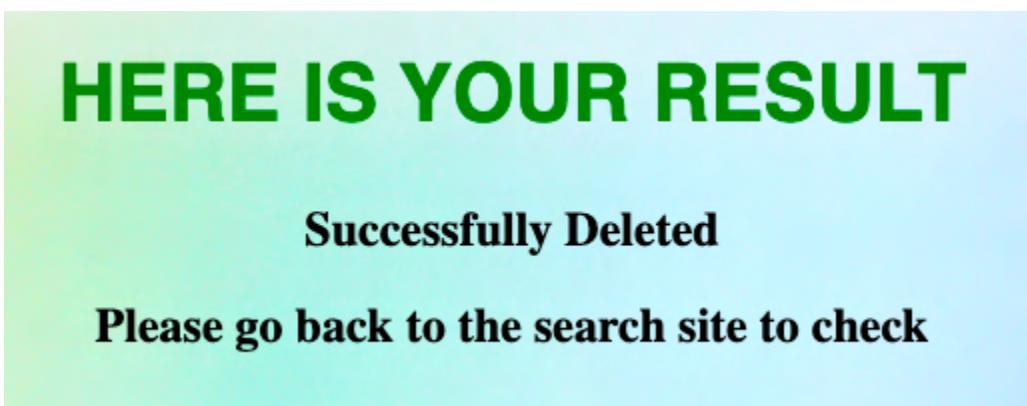
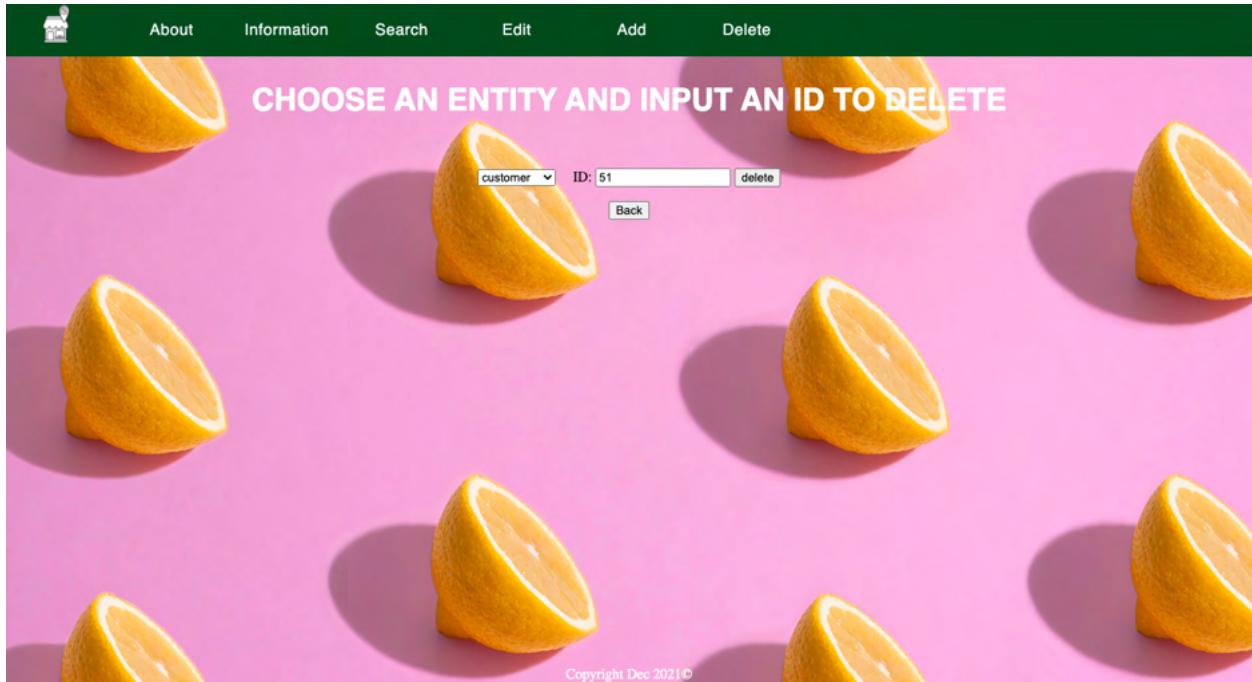
Customer's Email:  
hangtran@gmail.com

# HERE IS YOUR RESULT

**Successfully Added**

**Please go back to the search site to check**

## 6. Delete



*THE END.*