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Web/Servlet/JSP Program:

Prepare the basic pages for a vegetable shop and perform sale and purchase functionalities from customer and shopkeeper end. you show show the connection of items purchased and sale using database entries. don't make project so large. all functionalities will be from your end. use any technology like servlet/jsp/jsf/hibernate or spring.

1. Index.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Home</title>
<link rel="stylesheet" type="text/css" href="./css/grocery.css">
</head>
<body>
    <nav class="fixed-nav-bar-top">
    <ul class="nav">
        <li><a href="" target="">Home</a></li>
        <li><a href="categories.jsp" target="">Categories</a></li>
        <li><a href="About Us.html" target="">About Program</a></li>
        <li><a href="ContactUs.html" target="">Contact Us</a></li>
        <li><a href="adminLogin.jsp" target="">AdminLogin</a></li>
    </ul>
    </nav>

    <form method="GET" action="ProductList.jsp" id="searchform">
    <input type="text" name="search">
    <input type="submit" name="submit" value="Search">
    </form>

    <h1><font color="blue"><strong>Welcome</strong></font></h1>
    <p><font color="black"><strong>With our website, you can choose from a variety of
items which will be delivered to your doorstep as per your convenience.</strong></font></p>
    <p><font color="black"><strong>We cater to the needs of our customers. Feel free to
<a href="ContactUs.html" target=""> <font color="blue">contact us</a></font> and give us your
feedback.</strong></font></p>

    <div class="container">
```

```

<div class="slider">
<figure>
    <div class="slide">
        
    </div>

    <div class="slide">
        
    </div>

    <div class="slide">
        
    </div>

    <div class="slide">
        
    </div>

    <div class="slide">
        
    </div>

</figure>

</div>
<!--<div class="first">Fruits and Vegetables</div>
    <div class="third"><a href="categories.jsp" target="">View All Categories</a></div>
    <div class="second">Cereals</div>
    <div class="fourth">Dairy Products</div>
    <div class="last">Chocolates</div>-->
</div>
</body>

</html>

```

2. Categories.jsp:

```

<%--
Document : categories
Created on : 31 Mar, 2020, 1:34:56 PM
Author : yoges

```

```
--%>
```

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.sql.*" %>
```

```
<%
    String URL = "jdbc:mysql://localhost:3306/grocery_DB";
    String JDBC_DRIVER = "com.mysql.jdbc.Driver";
    String USER = "root";
    String PASS = "toor";

    Connection conn=null;
    try {
        Class.forName(JDBC_DRIVER);
        conn = DriverManager.getConnection(URL,USER,PASS);
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
%>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Categories</title>
<link rel="stylesheet" type="text/css" href="/css/categories.css">
</head>
<body>
    <ul class="nav">
        <li><a href="index.html" target="">Home</a></li>
        <li><a href="categories.jsp" target="">Categories</a></li>
        <li><a href="About Us.html" target="">About Us</a></li>
        <li><a href="ContactUs.html" target="">Contact Us</a></li>
    </ul>
    <form method="GET" action="ProductList.jsp" id="searchform">
        <input type="text" name="search">
        <input type="submit" name="submit" value="Search">
    </form>

    <h1>Hello Again..</h1>
    <p>Choose from a wide range of fresh products.</p>
    <p>You can search for a particular item by category or type the name of the product in
our search bar on the top left corner of the screen.</p>
    <p>Please choose a category from below :</p>
    <ul>
```

```

        <%
            String query = "SELECT * FROM category";
            ResultSet rs = conn.createStatement().executeQuery(query);
            while(rs.next()) {
                int id=rs.getInt("category_id");
            }
        %>

        <li><a href="ProductList.jsp?id=<%=id %>"
target=""><%=rs.getString("category_name") %></a></li>
        <%} %>
    </ul>
</body>
</html>

```

3. ProductInfo.jsp:

```

<%--
    Document : ProductInfo
    Created on : 31 Mar, 2020, 1:35:52 PM
    Author : yoges
--%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>

<%@ page import="java.sql.*" %>

<%
    String URL = "jdbc:mysql://localhost:3306/grocery_DB";
    String JDBC_DRIVER = "com.mysql.jdbc.Driver";
    String USER = "root";
    String PASS = "toor";
    Connection conn=null;
    try {
        Class.forName(JDBC_DRIVER);
        conn = DriverManager.getConnection(URL,USER,PASS);
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

```

```

<link rel="stylesheet" type="text/css" href="./css/desc.css">
<title>Order Summary</title>
</head>
<body>
    <ul class="nav">
        <li><a href="index.html" target="">Home</a></li>
        <li><a href="categories.jsp" target="">Categories</a></li>
        <li><a href="About Us.html" target="">About Us</a></li>
        <li><a href="ContactUs.html" target="">Contact Us</a></li>
    </ul>
    <form method="GET" action="ProductList.jsp" id="searchform">
        <input type="text" name="search">
        <input type="submit" name="submit" value="Search">
    </form>

    <h1>Product Details</h1>

    <%
    int prodId = Integer.parseInt(request.getParameter("id"));
    String name = "SELECT * from product_details where product_id = " + prodId;

    ResultSet rs = conn.createStatement().executeQuery(name);
    while(rs.next()){
    %>
    <div align="center">
        "
alt="<%=rs.getString("product_name") %>" style="width:250px; height:250px;"/>
    </div>
    <h3>Product Chosen : <%=rs.getString("product_name") %></h3>
    <h3>Description : <%=rs.getString("product_desc") %></h3>
    <h3>Price : Rs.<%=rs.getString("product_price") %></h3>
    <form action="buynow.jsp" method="GET">
        <label>Quantity: <input type="number" name="quantity" min="1"
max="100"/></label><br/>
        <input type="hidden" value="<%=rs.getInt("product_id") %>" name="id"/>
        <input type="submit" value="Buy Now"/>
    </form>
    <%} %>
</body>
</html>

```

4. ProductList.jsp:

```

<%--
    Document : ProductList
    Created on : 31 Mar, 2020, 1:36:26 PM
    Author : yoges
--%>

```

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.sql.*"%>

<%
    String URL = "jdbc:mysql://localhost:3306/grocery_DB";
    String JDBC_DRIVER = "com.mysql.jdbc.Driver";
    String USER = "root";
    String PASS = "toor";
    Connection conn = null;
    try {
        Class.forName(JDBC_DRIVER);
        conn = DriverManager.getConnection(URL, USER, PASS);
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<link rel="stylesheet" type="text/css" href="./css/ProductList.css">
<title>Fruits and Vegetables</title>
</head>
<body>
    <ul class="nav">
        <li><a href="index.html" target="">Home</a></li>
        <li><a href="categories.jsp" target="">Categories</a></li>
        <li><a href="About Us.html" target="">About Us</a></li>
        <li><a href="ContactUs.html" target="">Contact Us</a></li>
    </ul>
    <form method="GET" action="ProductList.jsp" id="searchform">
        <input type="text" name="search"> <input type="submit"
            name="submit" value="Search">
    </form>
    <%
        String query = "SELECT * FROM product_details WHERE ";
        if (request.getParameter("id") != null) {
            int catId = Integer.parseInt(request.getParameter("id"));
            query += "cat_id=" + catId;
        } else if (request.getParameter("search") != null) {
            String searchString = request.getParameter("search");
            query += "product_name LIKE '%" + searchString + "%'";
        }
        System.out.println("Query: " + query);
    %>

```

```

        ResultSet rs = conn.createStatement().executeQuery(query);
    %>
    <ul class="wrapper">
        <%
            while (rs.next()) {
                int id = rs.getInt("product_id");
            %>
            <li class="box"><a href="ProductInfo.jsp?id=<%=id%>">"
                alt="<%=rs.getString("product_name")%>"
                style="width: 150px; height: 150px;">
            <%=rs.getString("product_name")%></a></li>
            <%
                }
            %>
        </ul>
    </body>
</html>

```

5. adminAddProduct.jsp:

```

<%--
    Document   : adminAddProduct
    Created on : 31 Mar, 2020, 1:29:31 PM
    Author    : yoges
--%>

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.util.HashMap" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

    <%
        String status = (String)session.getAttribute("Admin");
        if(status == null || !status.equals("1")){
            response.sendRedirect("adminLogin.jsp?status=2");
        }
    %>
    <%@ page import="java.sql.*" %>

    <%
        String URL = "jdbc:mysql://localhost:3306/grocery_DB";
        String JDBC_DRIVER = "com.mysql.jdbc.Driver";
        String USER = "root";
        String PASS = "toor";
        Connection conn=null;
        try {

```

```

Class.forName(JDBC_DRIVER);
    conn = DriverManager.getConnection(URL,USER,PASS);
} catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
ResultSet rs = conn.createStatement().executeQuery("Select * from category");
%>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<link rel="stylesheet" type="text/css" href="/css/sign_up.css">
<title>Add New Product</title>
</head>
<body>
    <%-- <form action="AddProduct.java" method="GET">
        Product Name: <input type="text" name="pname"/><br/>
        Category: <select name="cat">
            <%while(rs.next()){
                String cat = rs.getString("category_name");
                int id = rs.getInt("category_id");
                %><option value="<%=id %>"> <%=cat %></option>
            <%}%>
            </select>
        Price: <input type="number" name="price" step="0.01"/><br/>
        Product Image file name: <input type="text" name="img"/><br/>
        Product Description: <textarea name="desc"></textarea><br/>
        <input type="Submit" value="Add product"/>
        <input type="reset" value="reset"/>
    </form> --%>

    <div id="Sign-Up">
        <fieldset style="width:70%">
            <legend>Add a new Product</legend>
            <table class="center" border="0"> <tr>
                <form method="GET" action="AddProduct">
                    <td>Product Name</td>
                    <td><input type="text" name="pname"></td>
                </tr>
                <tr>
                    <td>Category</td>
                    <td><select name="cat">
                        <%while(rs.next()){
                            String cat = rs.getString("category_name");
                            int id = rs.getInt("category_id");
                            %><option value="<%=id %>"> <%=cat %></option>
                        <%}%>
                        </select></td> </tr>
                <tr>
                    <td>Price</td>

```



```

        step="0.01"></td> </tr>
        <td> <input type="number" name="price"
        <tr> <td>Product Image file name</td><td>
        <input type="text" name="img"></td> </tr>
        <tr> <td>Product Description </td>
        <td><textarea name="desc"></textarea></td> </tr>
        <tr> <td><input type="Submit" value="Add product"/>
        <input type="reset" value="reset"/></td> </tr>
        </form>
    </table>
</fieldset>

</div>
<a href="adminPage.jsp"><button>Back</button></a>
</body>
</html>

```

6. adminUpdateProduct.jsp:

```

<%--
    Document : adminUpdateProduct
    Created on : 31 Mar, 2020, 1:33:53 PM
    Author : yoges
--%>

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.util.HashMap" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<%
    String status = (String)session.getAttribute("Admin");
    if(status == null || !status.equals("1")){
        response.sendRedirect("adminLogin.jsp?status=2");
    }
%>
<%@ page import="java.sql.*" %>

<%
    String URL = "jdbc:mysql://localhost:3306/grocery_DB";
    String JDBC_DRIVER = "com.mysql.jdbc.Driver";
    String USER = "root";
    String PASS = "toor";
    Connection conn=null;
    try {
        Class.forName(JDBC_DRIVER);

```

```

        conn = DriverManager.getConnection(URL,USER,PASS);
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
    ResultSet rs = conn.createStatement().executeQuery("Select * from category");
    int id = Integer.parseInt(request.getParameter("id"));
    ResultSet rs1 = conn.createStatement().executeQuery("Select * from product_Details where
product_id =" + id);
    rs1.next();
    String pname = rs1.getString("product_name");
    int cat1 = rs1.getInt("cat_id");
    String p_img = rs1.getString("prod_img");
    double p_price = rs1.getDouble("product_price");
    String p_desc = rs1.getString("product_desc");
%>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<link rel="stylesheet" type="text/css" href="./css/sign_up.css">
<title>Add New Product</title>
</head>
<body>

    <div id="Sign-Up">
        <fieldset style="width:30%">
            <legend>Add a new Product</legend>
            <table class="center" border="0"> <tr>
                <form method="GET" action="UpdateProduct">
                    <td>Product Name</td>
                    <td><input type="hidden" name="id" value = "<%=id
%>"/>

                    <input type="text" name="pname"
value="<%=pname%>"></td>

                </tr>
                <tr> <td>Category</td>
                <td><select name="cat" >
                    <%while(rs.next()){
                        String cat = rs.getString("category_name");
                        int catid = rs.getInt("category_id");
                        if(catid==cat1){
                            %><option selected="selected" value="<%=catid
%>"> <%=cat %></option><%
                            continue;
                        }
                        %><option value="<%=catid %>"> <%=cat %></option>
                    <%}%>
                </select></td> </tr>

```

```

                                <tr> <td>Price</td>
                                <td> <input type="number" name="price" step="0.01"
value = "<%=p_price%>"></td> </tr>
                                <tr> <td>Product Image file name</td><td>
                                <input type="text" name="img" value =
                                "<%=p_img%>"></td> </tr>
                                <tr> <td>Product Description </td>
                                <td><textarea
name="desc"><%=p_desc%></textarea></td> </tr>
                                <tr> <td><input type="Submit" value="Add product"/>
                                <input type="reset" value="reset"/></td> </tr>
                                </form>
                                </table>
                                </fieldset>

                                </div>
                                <a href="adminPage.jsp"><button>Back</button></a>
</body>
</html>

```

7. adminPage.jsp:

```

<%--
    Document   : adminPage
    Created on : 31 Mar, 2020, 1:33:08 PM
    Author    : yoges
--%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.sql.*"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
    "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<link rel="stylesheet" type="text/css" href="./css/grocery.css">
<title>Admin Page</title>
</head>
<body>

    <nav class="fixed-nav-bar-top">
    <ul class="nav">
        <li><a href="index.html" target="">Home</a></li>
        <li><a href="categories.jsp" target="">Categories</a></li>
        <li><a href="About Us.html" target="">About Us</a></li>
        <li><a href="ContactUs.html" target="">Contact Us</a></li>

```

```

</ul>
</nav>

<form method="GET" action="ProductList.jsp" id="searchform">
    <input type="text" name="search"> <input type="submit"
        name="submit" value="Search">
</form>
<%
//public Object getAttribute(String name)
//This method returns the object bound with the specified name in this session, or null if no
object is bound under the name.
    String status = (String)session.getAttribute("Admin");
    if(status == null || !status.equals("1")){
        response.sendRedirect("adminLogin.jsp?status=2");
    }
%>
<div align="center" style="padding-top: 5%;">
    <a href="adminPage.jsp?select=1"><button>Products</button></a><br>
    <br> <a href="adminPage.jsp?select=2"><button>Customers</button></a><br>
    <br> <a href="adminPage.jsp?select=3"><button>Orders</button></a><br>
    <br>
</div>
<%
    String select = request.getParameter("select");
    if(select != null){
        String URL = "jdbc:mysql://localhost:3306/grocery_DB";
        String JDBC_DRIVER = "com.mysql.jdbc.Driver";
        String USER = "root";
        String PASS = "toor";
        Connection conn=null;
        try {
            Class.forName(JDBC_DRIVER);
            conn = DriverManager.getConnection(URL,USER,PASS);
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
        if(select.equals("1")) {
            String sql = "SELECT * from product_details";
            ResultSet rs = conn.createStatement().executeQuery(sql);
            %><table border="1" align="center">
<tr align="center">
            <th>Product ID</th>
            <th>Product Name</th>
            <th>Price</th>
            <th>Delete</th>
            <th>Edit</th>
        </tr>

```

```

        <%while(rs.next())    {
                                int id=rs.getInt("product_id");
                                String name = rs.getString("product_name");
                                double price = rs.getDouble("product_price");
                                %>
        <tr>
            <td><%=id %></td>
            <td><%=name %></td>
            <td><%=price %></td>
            <td><a href="DeleteItem?id=<%=id%>&type=1"></a>
            <td><a href="adminUpdateProduct.jsp?id=<%=id%>"></a>
        </tr>
        <%}

                                %>
    </table>
    <div align="center" margin="2px">
        <a href="adminAddProduct.jsp"><button>Add product</button></a>
    </div>
    <%
        }else if(select.equals("2")) {
            String sql = "SELECT * from customer_details";
            ResultSet rs = conn.createStatement().executeQuery(sql);
            %><table border="1" align="center">
        <tr align="center">
            <th>Customer ID</th>
            <th>Customer Name</th>
            <th>Phone Number</th>
            <th>Delete</th>
        </tr>
        <%while(rs.next())    {
                                int id=rs.getInt("cust_id");
                                String name = rs.getString("name");
                                String phone = rs.getString("phone_no");
                                %>
        <tr>
            <td><%=id %></td>
            <td><%=name %></td>
            <td><%=phone %></td>
            <td><a href="DeleteItem?id=<%=id%>&type=2"></a>
        </tr>
        <%}

                                %>
    </table>

```

```

<%
    }else if(select.equals("3")) {
        String sql = "SELECT order_no,quantity, customer_details.Name,
product_details.product_name, product_price FROM
order_details,product_details,customer_details WHERE
order_details.prod_ID=product_details.product_id and
order_details.cust_ID=customer_details.cust_ID";
        ResultSet rs = conn.createStatement().executeQuery(sql);
        %><table border="1" align="center">
        <tr align="center">
            <th>Order ID</th>
            <th>Customer Name</th>
            <th>Product Name</th>
            <th>Quantity</th>
            <th>Cost</th>
            <th>Delete</th>
        </tr>
        <%while(rs.next()) {
            int id=rs.getInt("order_no");
            String pname = rs.getString("product_name");
            double price = rs.getDouble("product_price");
            String cname = rs.getString("name");
            int quantity = rs.getInt("quantity");
            double total = price*quantity;

            %>
            <tr>
                <td><%=id %></td>
                <td><%=cname %></td>
                <td><%=pname %></td>
                <td><%=quantity %></td>
                <td><%=total %></td>
                <td><a href="DeleteItem?id=<%=id%>&type=3"></a>
            </td>
            </tr>
        <%}

            %>
        </table>
        <%
            }
        %>
        <%}%>
        <div align="center">
            <a href="adminLogout"><button>Logout</button></a>
        </div>

    </body>
</html>

```

8. adminLogin.jsp:

```

<%--
    Document : adminLogin
    Created on : 31 Mar, 2020, 1:31:40 PM
    Author : yoges
--%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<link rel="stylesheet" type="text/css" href="/css/sign_up.css">
<title>Admin Login</title>
</head>
<body>
    <%
        String stat = (String)session.getAttribute("Admin");
        if(stat != null && stat.equals("1")){
            response.sendRedirect("adminPage.jsp");
        }
        String status = request.getParameter("status");

        if(status != null && status.equals("1")){
            %>WRONG PASSWORD<%
        }else if(status != null && status.equals("2")){
            %>WRONG PASSWORD AGAIN!<%
        }

        %>
        <form action="AdminLog" method="GET">
        <div id="Sign-Up">
            <fieldset style="width:50%">
            <table class="center" border="0"> <tr>
                <td><font color=black>Username: </font><input type="text"
name="username"/><br/></td>
            </tr>
                <tr> <td><font color=black>Password:</font><input type="password"
name="password"/><br/></td> </tr>
                <tr><td><input type="submit" value="login"/></td></tr>
            </table>
            </form>
        </div>
    </body>
</html>

```

9. buynow.jsp:

```

<%--
    Document : buynow
    Created on : 31 Mar, 2020, 1:34:24 PM
    Author : yoges
--%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>

<%@ page import="java.sql.*" %>

<%
String URL = "jdbc:mysql://localhost:3306/grocery_DB";
String JDBC_DRIVER = "com.mysql.jdbc.Driver";
String USER = "root";
String PASS = "toor";
Connection conn=null;
try {
    Class.forName(JDBC_DRIVER);
    conn = DriverManager.getConnection(URL,USER,PASS);
} catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Shipment</title>
<link rel="stylesheet" type="text/css" href="/css/sign_up.css">
</head>
<body>

<ul class="nav">
    <li><a href="index.html" target="">Home</a></li>
    <li><a href="categories.jsp" target="">Categories</a></li>
    <li><a href="About Us.html" target="">About Us</a></li>
    <li><a href="ContactUs.html" target="">Contact Us</a></li>
</ul>

<div id="Sign-Up">
    <fieldset style="width:30%">
        <legend>Create an account</legend>

```



```

        <form method="GET" action="groceryServlet">
            <table class="center" border="0"> <tr>
                <td>Name</td>
                <td> <input type="text" name="name"
placeholder="name"></td>
            </tr>
            <tr> <td>Email</td>
                <td> <input type="email" name="email"
placeholder="email" pattern="[a-z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,4}$" /></td> </tr>
            <tr> <td>Phone Number</td><td>
                <input type="tel" name="phone" placeholder="phone"
pattern="[0-9]{10}"></td> </tr>
            <tr> <td>Address</td><td>
                <input type="text" name="address"
placeholder="address"></td> </tr>

                <input type="hidden" value="<%=
request.getParameter("id") %>" name="id"/>
                <input type="hidden" value="<%=
request.getParameter("quantity") %>" name="quantity"/>

            <tr> <td><a href = "groceryServlet.java" target = ""><input
id="button" type="submit" name="submit" value="Buy Now"></a></td> </tr>

            </table>
        </form>
    </fieldset>
</div>
</body>
</html>

```

10. AboutUs.html:

```

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>About Us</title>
<link rel="stylesheet" type="text/css" href="/css/grocery.css">
</head>
<body>
    <ul class="nav">
        <li><a href="index.html" target="">Home</a></li>
        <li><a href="categories.jsp" target="">Categories</a></li>
        <li><a href="About Us.html" target="">About Program</a></li>
        <li><a href="ContactUs.html" target="">Contact Us</a></li>
    </ul>
    <form method="GET" action="ProductList.jsp" id="searchform">

```

```

        <input type="text" name="search">
        <input type="submit" name="submit" value="Search">
    </form>
    <h1><font color="red">About Program</font></h1>

    <br>
    <p><font color="black"><centre>Prepare the basic pages for a vegetable shop and perform
    sale and purchase functionalities from customer and shopkeeper end.
    you show show the connection of items purchased and sale using database entries. don't make
    project so large. all functionalities will be from your end. use any technology like
    servlet/jsp/jsf/hibernate or spring.</centre></p>
    <p><font color="black"><center>
        Yogesh Kumar</center></font></p>
    <p><font color="black"><center>Improvised from a Github
    Project</center></font></p>
    <p><font color="black"><center>Hope you'll like it.</center></font></p>
    <p><font color="black"><center>Thank you.</center></font></p>

    <br>
    <br>

    </body>
    </html>

```

11. ContactUs.html:

```

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Contact Us</title>
<link rel="stylesheet" type="text/css" href="./css/grocery.css">
</head>
<body>
    <ul class="nav">
        <li><a href="index.html" target="">Home</a></li>
        <li><a href="categories.jsp" target="">Categories</a></li>
        <li><a href="About Us.html" target="">About Us</a></li>
        <li><a href="" target="">Contact Us</a></li>
    </ul>
    <form method="GET" action="ProductList.jsp" id="searchform">
        <input type="text" name="search">
        <input type="submit" name="submit" value="Search">
    </form>
    <h1><font color=red>Contact Us</font></h1>
    <p><center><font color="black">There is no need of emailing me at:</font></center></p>
    <p><strong><center><font color="black">Yogesh :
    yogeshvishwakarma1994@gmail.com</font></center></strong></p>

```

```

</body>
</html>

```

12. Thankyou.html:

```

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Thank You!</title>
<link rel="stylesheet" type="text/css" href="/css/categories.css">
</head>
<body background="background.jpg">
    <ul class="nav">
        <li><a href="index.html" target="">Home</a></li>
        <li><a href="categories.jsp" target="">Categories</a></li>
        <li><a href="About Us.html" target="">About Program</a></li>
        <li><a href="ContactUs.html" target="">Contact Us</a></li>
    </ul>
<h1><font color="black"><center>Your order has been placed!</center></font></h1>
    <p><font color="black"><center>Your Items will be delivered to the address that is
provided.<br/> You will soon receive a confirmation email.</center></font></p>
    <p><font color="black"><center>Thank You for shopping with us. We hope to see you again
soon.</center></font><p>
</body>
</html>

```

13. AddProduct.java:

```

import java.io.IOException;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class AddProduct
 */
@WebServlet("/AddProduct")

```

```

public class AddProduct extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private static final String URL = "jdbc:mysql://localhost:3306/grocery_DB";
    private static final String JDBC_DRIVER = "com.mysql.jdbc.Driver";
    private static final String USER = "root";
    private static final String PASS = "toor";
    java.sql.Connection conn;
    /**
     * @see HttpServlet#HttpServlet()
     */
    public AddProduct() {
        super();
        // TODO Auto-generated constructor stub
        try {
            Class.forName(JDBC_DRIVER);
            conn = DriverManager.getConnection(URL,USER,PASS);
        } catch (ClassNotFoundException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        // TODO Auto-generated method stub
        String pname = request.getParameter("pname");
        String desc = request.getParameter("desc");
        String img = request.getParameter("img");
        //request.getParameter("") returns a string so we need to use parseInt to typecast it
        into int
        int cat = Integer.parseInt(request.getParameter("cat"));
        double price = Double.parseDouble(request.getParameter("price"));
        System.out.println(pname+","+desc+","+img+","+cat+","+price);
        String sql = "INSERT INTO product_details (product_name, prod_img, product_desc,
        product_price, cat_id) VALUES (?, ?, ?, ?, ?)";
        try {
            //PreparedStatement-can have an sql query and can be executed any number of
            times(one instance created and reused)
            PreparedStatement pstmt = conn.prepareStatement(sql);
            pstmt.setString(1, pname);
            pstmt.setString(2, img);

```

```

        pstmt.setString(3, desc);
        pstmt.setDouble(4, price);
        pstmt.setInt(5, cat);
        pstmt.executeUpdate();
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
    response.sendRedirect("adminPage.jsp?select=1");
}

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    // TODO Auto-generated method stub
    doGet(request, response);
}
}

```

14. AdminLog.java:

```

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class AdminLog (from adminLogin.jsp)
 */
@WebServlet("/AdminLog")
public class AdminLog extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public AdminLog() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

```

```

    */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        // TODO Auto-generated method stub
        String username = request.getParameter("username");
        String password = request.getParameter("password");
        //System.out.println("hello!");
        if(!username.equals("admin") || !password.equals("kitkat")){
            response.sendRedirect("adminLogin.jsp?status=1");
        }else{
            //public void setAttribute(String name, Object value)
            //This method binds an object to this session, using the name specified.
            request.getSession().setAttribute("Admin","1");
            //System.out.println("log:"+request.getAttribute("Admin"));
            response.sendRedirect("adminPage.jsp");
            //System.out.println("HI");
        }
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
}

```

15. deleteltem.java:

```

import java.io.IOException;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class Deleteltem
 */
@WebServlet("/Deleteltem")
public class Deleteltem extends HttpServlet {

```

```

        private static final long serialVersionUID = 1L;
        private static final String URL = "jdbc:mysql://localhost:3306/Grocery_DB";
        private static final String JDBC_DRIVER = "com.mysql.jdbc.Driver";
        private static final String USER = "root";
        private static final String PASS = "toor";
        java.sql.Connection conn;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public DeleteItem() {
        super();
        // TODO Auto-generated constructor stub
        try {
            Class.forName(JDBC_DRIVER);
            conn = DriverManager.getConnection(URL,USER,PASS);
        } catch (ClassNotFoundException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
        ServletException, IOException {
        // TODO Auto-generated method stub
        //response.getWriter().append("Served at: ").append(request.getContextPath());
        int id = Integer.parseInt(request.getParameter("id"));
        String type = request.getParameter("type");
        if(type.equals("1")) {
            String query = "DELETE FROM product_details WHERE
product_details.product_id=?";
            try {
                PreparedStatement pt = conn.prepareStatement(query);
                pt.setInt(1, id);
                pt.executeUpdate();
            } catch (SQLException e) {
                // TODO Auto-generated catch block
                e.printStackTrace();
            }
        }
    }

```

```

        else if(type.equals("2")) {
            String query = "DELETE FROM customer_details WHERE
customer_details.Customer_ID = ?";
            try {
                PreparedStatement pt = conn.prepareStatement(query);
                pt.setInt(1, id);
                pt.executeUpdate();
            } catch (SQLException e) {
                // TODO Auto-generated catch block
                e.printStackTrace();
            }
        }
        else if(type.equals("3")) {
            String query = "DELETE FROM order_details WHERE order_details.order_no = ?";
            try {
                PreparedStatement pt = conn.prepareStatement(query);
                pt.setInt(1, id);
                pt.executeUpdate();
            } catch (SQLException e) {
                // TODO Auto-generated catch block
                e.printStackTrace();
            }
        }
        response.sendRedirect("adminPage.jsp");
    }
    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
}

```

16. Search.java:

```

import java.io.*;
import java.sql.*;
import javax.servlet.ServletException;
import javax.servlet.http.*;

public class Search extends HttpServlet {
    private int product_id;

    /**

```



```

*
* @param request
* @param response
* @throws ServletException
* @throws IOException
*/
@Override
public void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {

    response.setContentType("text/html");
    PrintWriter out = response.getWriter();

    String rollno=request.getParameter("roll");
    int roll=Integer.valueOf(rollno);

    try{
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/grocery","tazeen","kitkat");

        PreparedStatement ps=con.prepareStatement("select * from product_details
where product_id=?");
        ps.setInt(1, product_id);

        out.print("<table width=50% border=1>");
        out.print("<caption>Result:</caption>");
        ResultSet rs=ps.executeQuery();

        /* Printing column names */
        ResultSetMetaData rsmd=rs.getMetaData();
        int total=rsmd.getColumnCount();
        out.print("<tr>");
        for(int i=1;i<=total;i++)
        {
            out.print("<th>"+rsmd.getColumnName(i)+"</th>");

        }
        out.print("</tr>");

        /* Printing result */
        while(rs.next())
        {

            out.print("<tr><td>"+rs.getInt(1)+"</td><td>"+rs.getString(2)+"</td><td>"+rs.getString(3)+"</td><td>"+rs.getString(4)+"</td><td>"+rs.getString(5)+"</td></tr>");

        }
    }
}

```

```

        out.print("</table>");

    } catch (ClassNotFoundException | SQLException e2) {}

    finally{out.close();}

}

}

```

17. UpdateProduct.java:

```

import java.io.IOException;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class UpdateProduct
 */
@WebServlet("/UpdateProduct")
public class UpdateProduct extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private static final String URL = "jdbc:mysql://localhost:3306/Grocery_DB";
    private static final String JDBC_DRIVER = "com.mysql.jdbc.Driver";
    private static final String USER = "root";
    private static final String PASS = "toor";
    java.sql.Connection conn;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public UpdateProduct() {
        super();
        // TODO Auto-generated constructor stub
        try {
            Class.forName(JDBC_DRIVER);
            conn = DriverManager.getConnection(URL,USER,PASS);
        } catch (ClassNotFoundException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        } catch (SQLException e) {

```

```

        // TODO Auto-generated catch block
        e.printStackTrace();
    }

}

/**
 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
 */
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    // TODO Auto-generated method stub
    //response.getWriter().append("Served at: ").append(request.getContextPath());
    int id = Integer.parseInt(request.getParameter("id"));
    String pname = request.getParameter("pname");
    String desc = request.getParameter("desc");
    String img = request.getParameter("img");
    int cat = Integer.parseInt(request.getParameter("cat"));
    double price = Double.parseDouble(request.getParameter("price"));

    String query = "UPDATE product_details SET product_name = ?, prod_img = ?,
product_desc = ?, product_price = ?, cat_id = ? WHERE product_details.product_id = ?";
    try {
        PreparedStatement pst = conn.prepareStatement(query);
        pst.setString(1, pname);
        pst.setString(2, img);
        pst.setString(3, desc);
        pst.setDouble(4, price);
        pst.setInt(5, cat);
        pst.setInt(6, id);
        pst.executeUpdate();

    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
    response.sendRedirect("adminPage.jsp?select=1");

}

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    // TODO Auto-generated method stub
    doGet(request, response);
}

```

```

    }

}

```

18. AdminLogout.java:

```

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class adminLogout
 */
@WebServlet("/adminLogout")
public class adminLogout extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public adminLogout() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        // TODO Auto-generated method stub
        //public void removeAttribute(String name) - This method removes the object bound
with the specified name from this session.
        System.out.println("he");
        request.getSession().removeAttribute("Admin");
        System.out.println("Logged out");
        response.sendRedirect("index.html");
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
}

```

```

    }

}

```

19. groceryServlet.java:

```

import java.io.IOException;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class groceryServlet
 */
@WebServlet("/groceryServlet")
public class groceryServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private static final String URL = "jdbc:mysql://localhost:3306/grocery_DB";
    private static final String JDBC_DRIVER = "com.mysql.jdbc.Driver";
    private static final String USER = "root";
    private static final String PASS = "toor";
    java.sql.Connection conn;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public groceryServlet() {
        super();
        try {
            Class.forName(JDBC_DRIVER);
            conn = DriverManager.getConnection(URL,USER,PASS);
        } catch (ClassNotFoundException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }
}

```

```

    // TODO Auto-generated constructor stub
}

/**
 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
 */
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    // TODO Auto-generated method stub
    try {
        String name = request.getParameter("name");
        String email = request.getParameter("email");
        String phone = request.getParameter("phone");
        String address = request.getParameter("address");
        int id = Integer.parseInt(request.getParameter("id"));
        int quantity = Integer.parseInt(request.getParameter("quantity"));

        String query = "INSERT INTO customer_details (Name, Phone_No, Email_ID,
Address) VALUES (?, ?, ?, ?)";

        String query1 = "INSERT INTO order_details (quantity, prod_ID, cust_ID) VALUES
(?, ?, ?)";

        PreparedStatement ps = conn.prepareStatement(query,
Statement.RETURN_GENERATED_KEYS);

        ps.setString(1, name);
        ps.setString(2, phone);
        ps.setString(3, email);
        ps.setString(4, address);

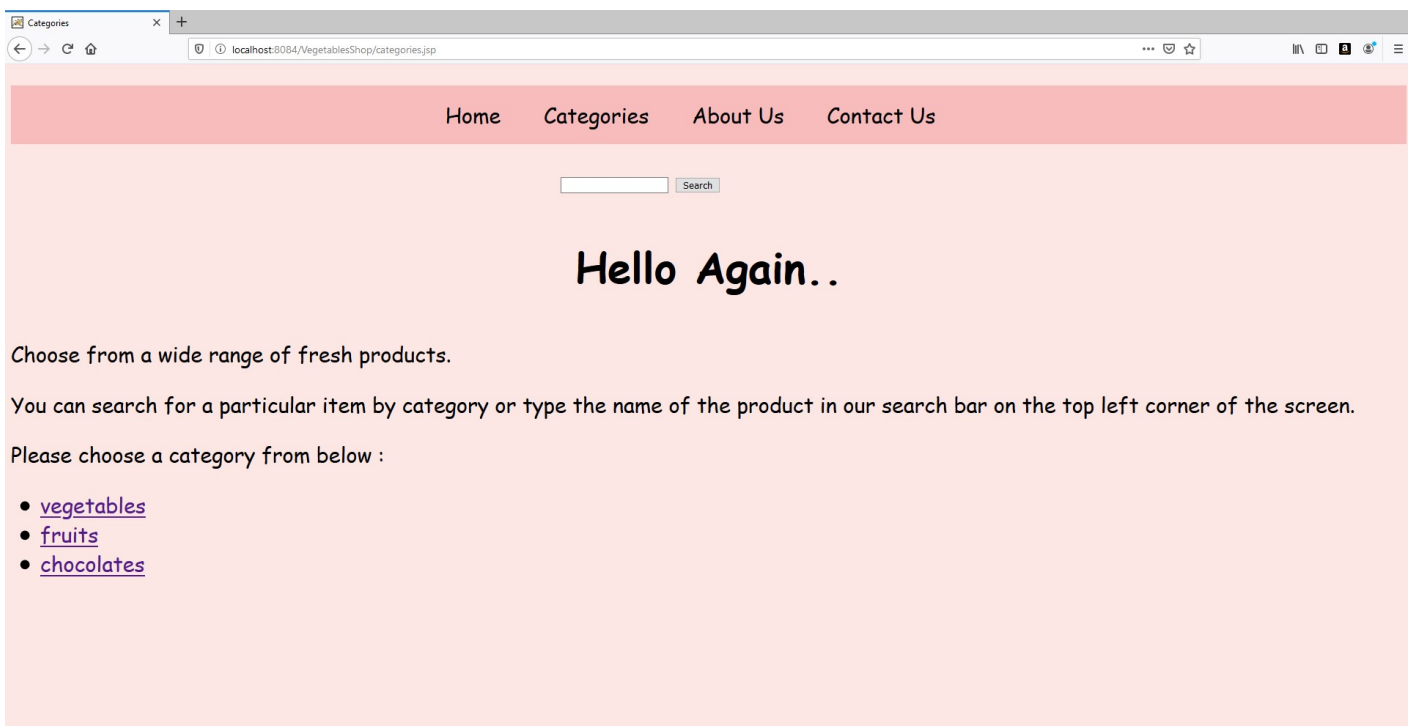
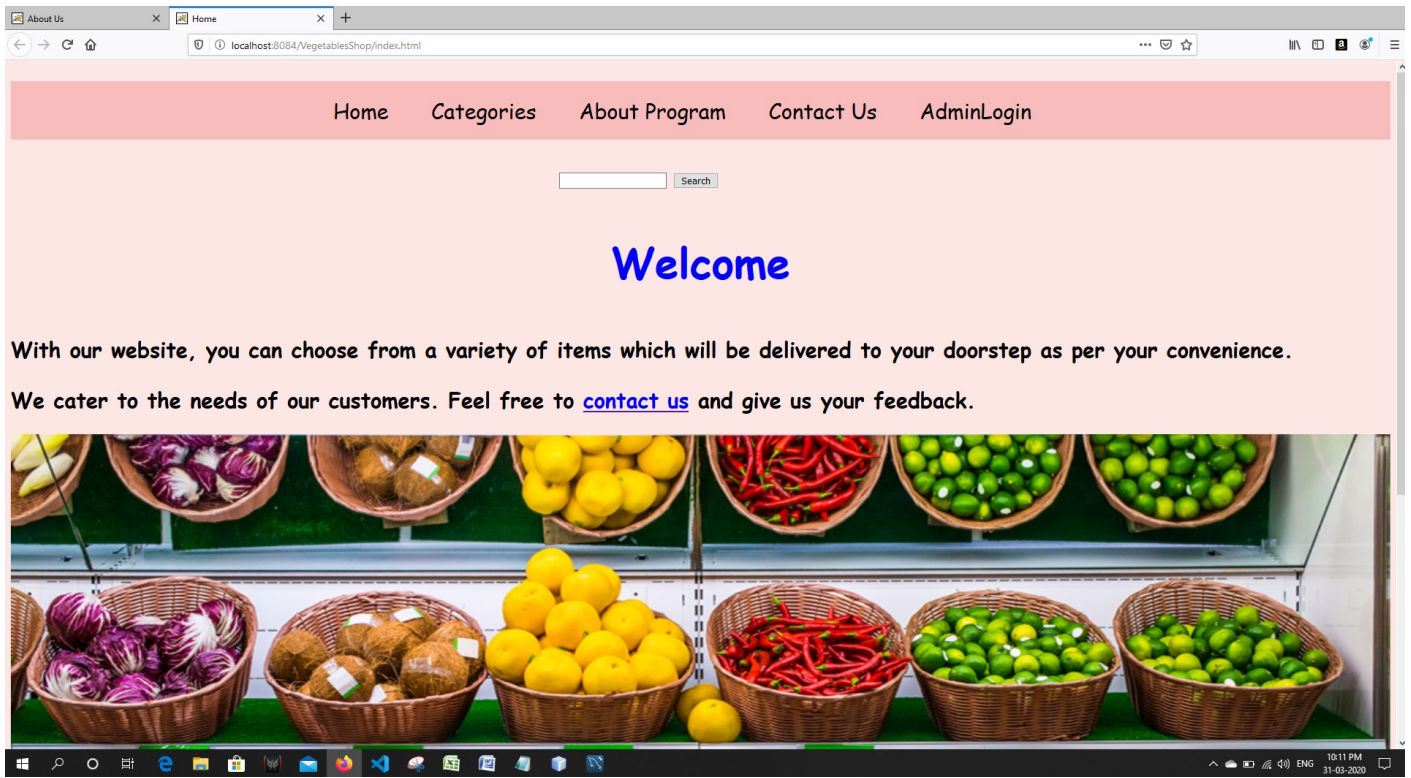
        ps.executeUpdate();
        ResultSet rs = ps.getGeneratedKeys();
        rs.next();
        int auto_id = rs.getInt(1);

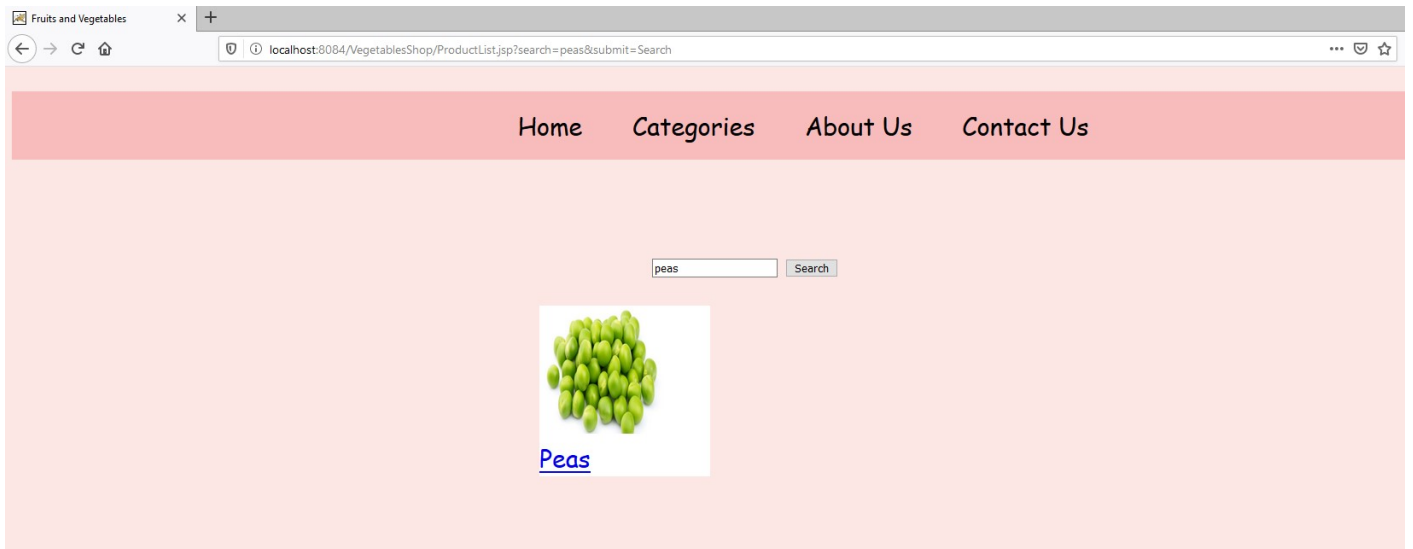
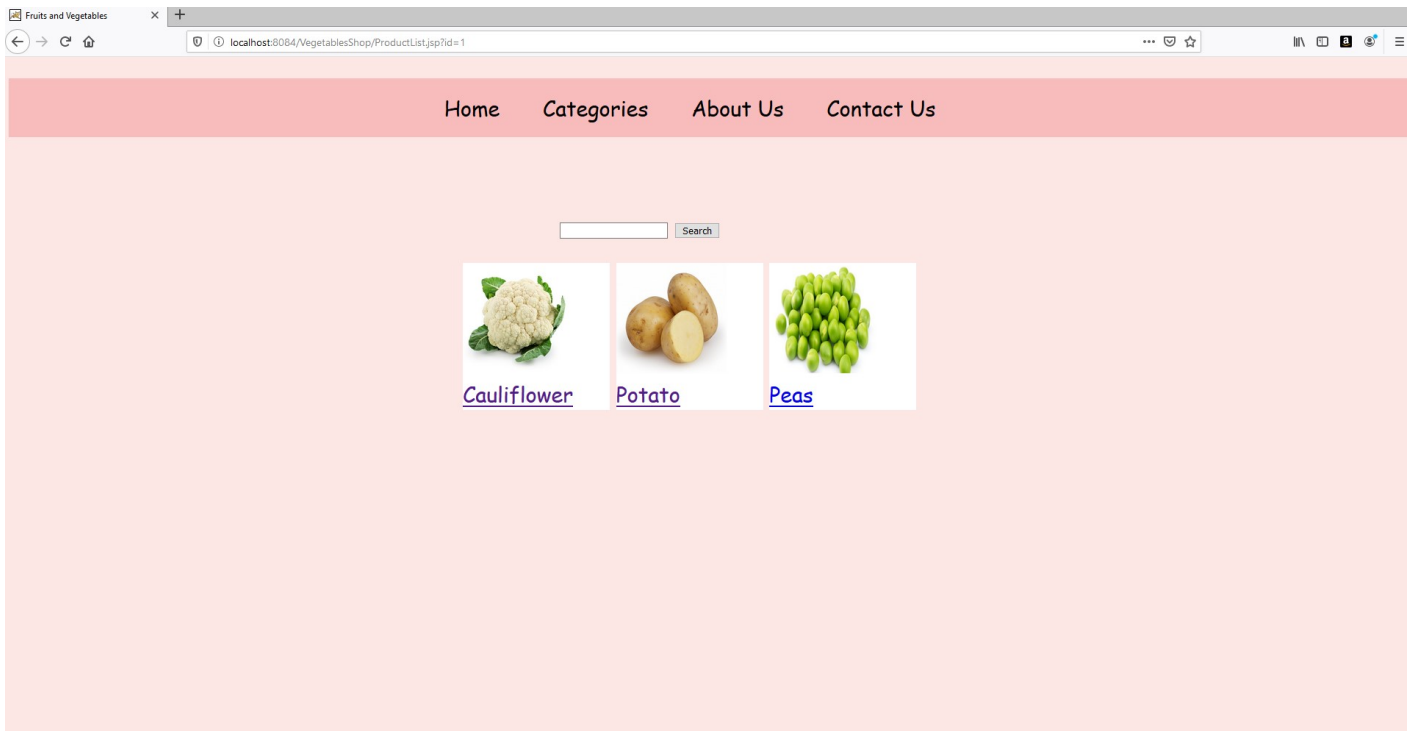
        PreparedStatement ps2 = conn.prepareStatement(query1);
        ps2.setInt(1, quantity);
        ps2.setInt(2, id);
        ps2.setInt(3, auto_id);
        ps2.executeUpdate();
        response.sendRedirect("Thankyou.html");
        //System.out.println("Hi");
    }
    catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
}

```

```
/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    // TODO Auto-generated method stub
    doGet(request, response);
}
}
```

20. Screenshots:






Order Summary x +

localhost:8084/VegetablesShop/ProductInfo.jsp?id=1 90%

Home Categories About Us Contact Us

Search

Product Details



Product Chosen : Cauliflower

Description : 10

Price : Rs.20

Quantity:

Buy Now

Shipment x +

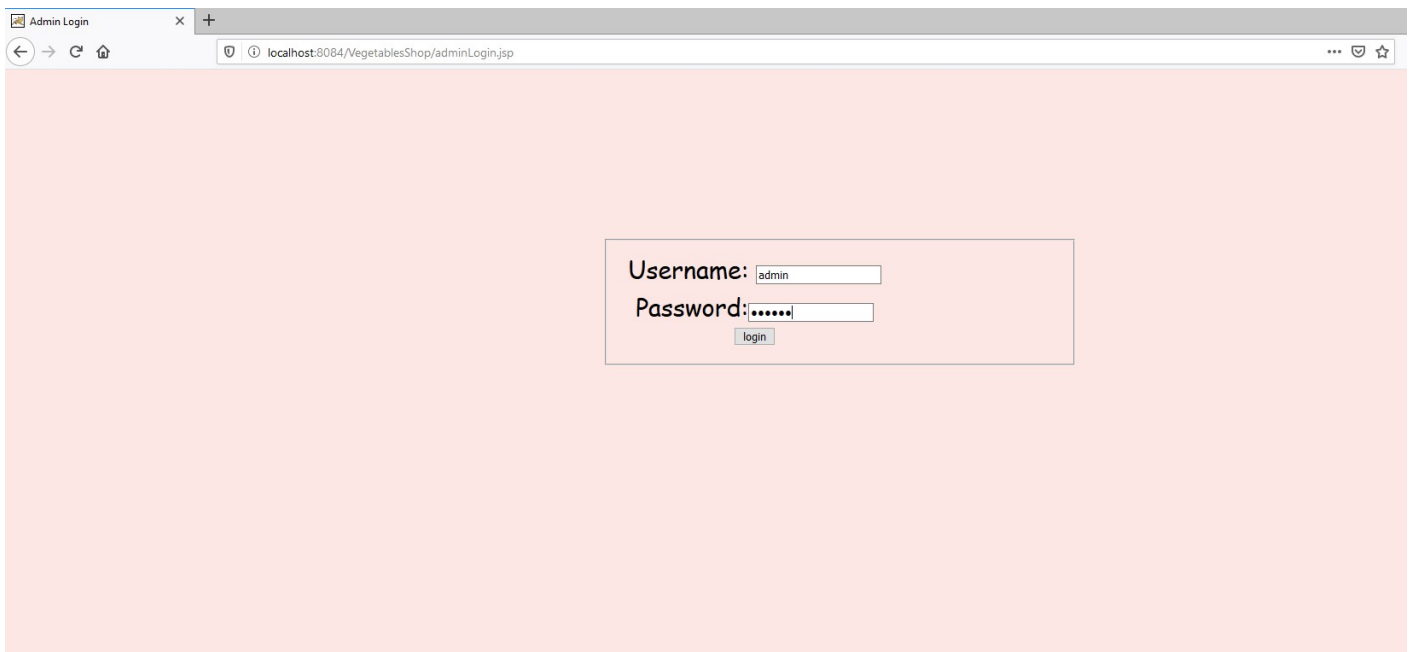
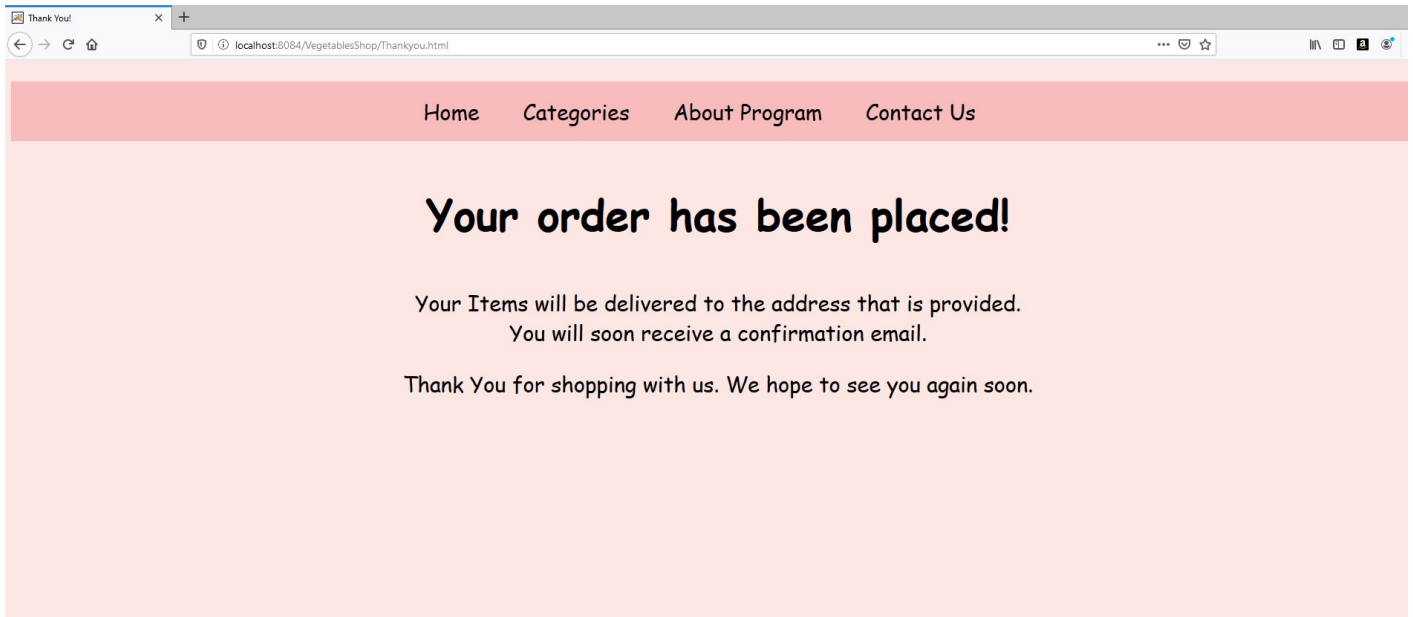
localhost:8084/VegetablesShop/buynow.jsp?quantity=2&id=1 ... 🍪 ☆

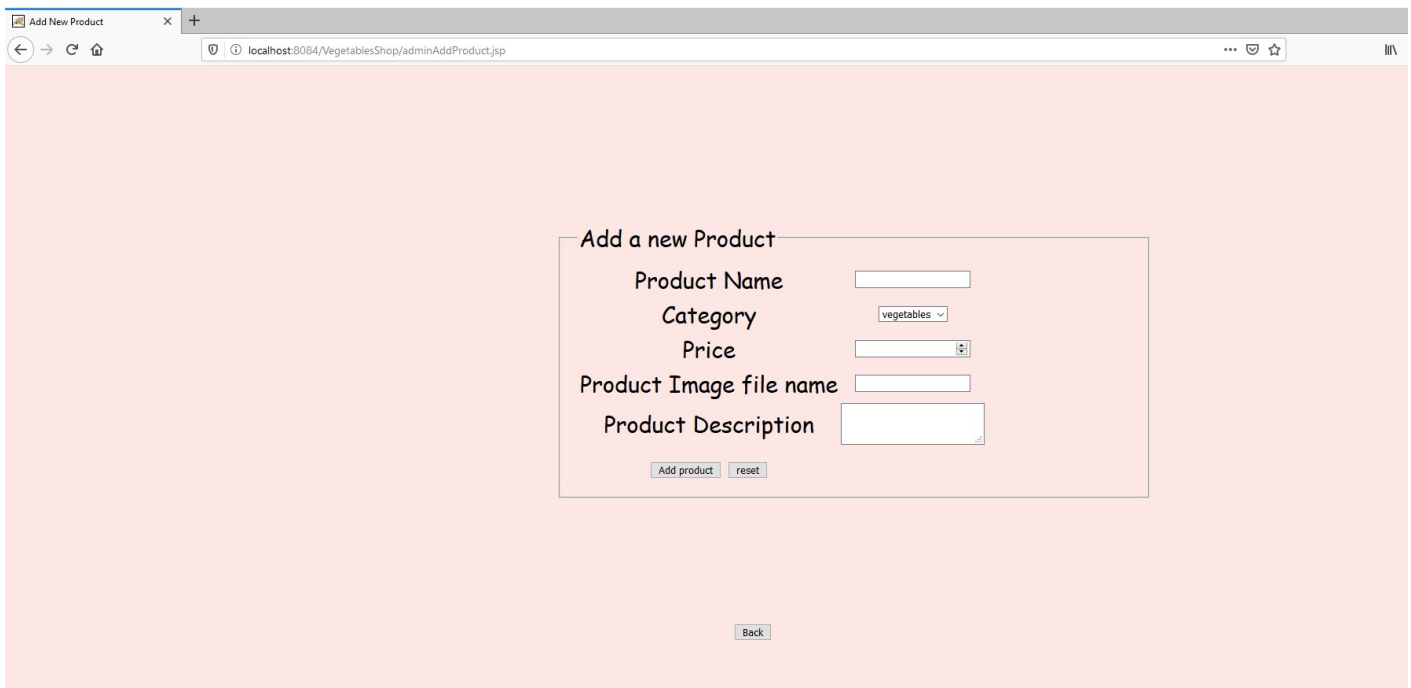
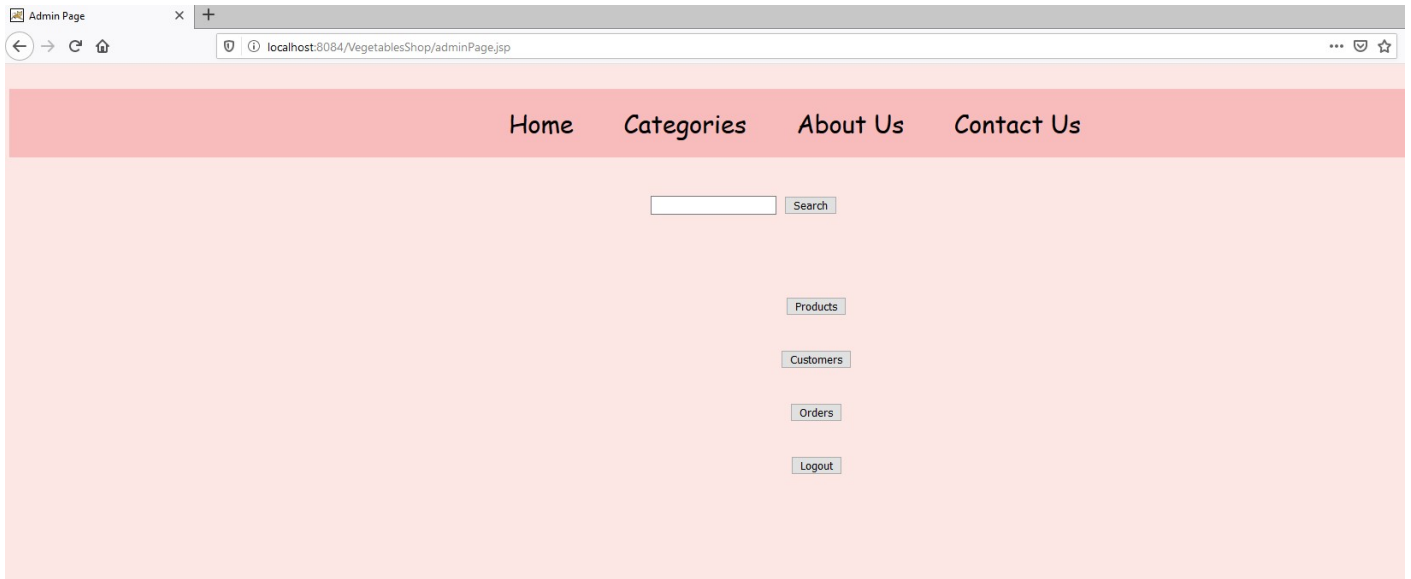
Home Categories About Us Contact Us

Create an account

Name	<input type="text" value="Abdul"/>
Email	<input type="text" value="abdul@gmail.com"/>
Phone Number	<input type="text" value="1234567890"/>
Address	<input type="text" value="Bangalore"/>

Buy Now





The screenshot shows the Admin Page with the URL `localhost:8084/VegetablesShop/adminPage.jsp?select=1`. The page features a navigation bar with links: Home, Categories, About Us, and Contact Us. Below the navigation bar is a search bar and a menu with links: Products, Customers, and Orders. The main content area displays a table of products.

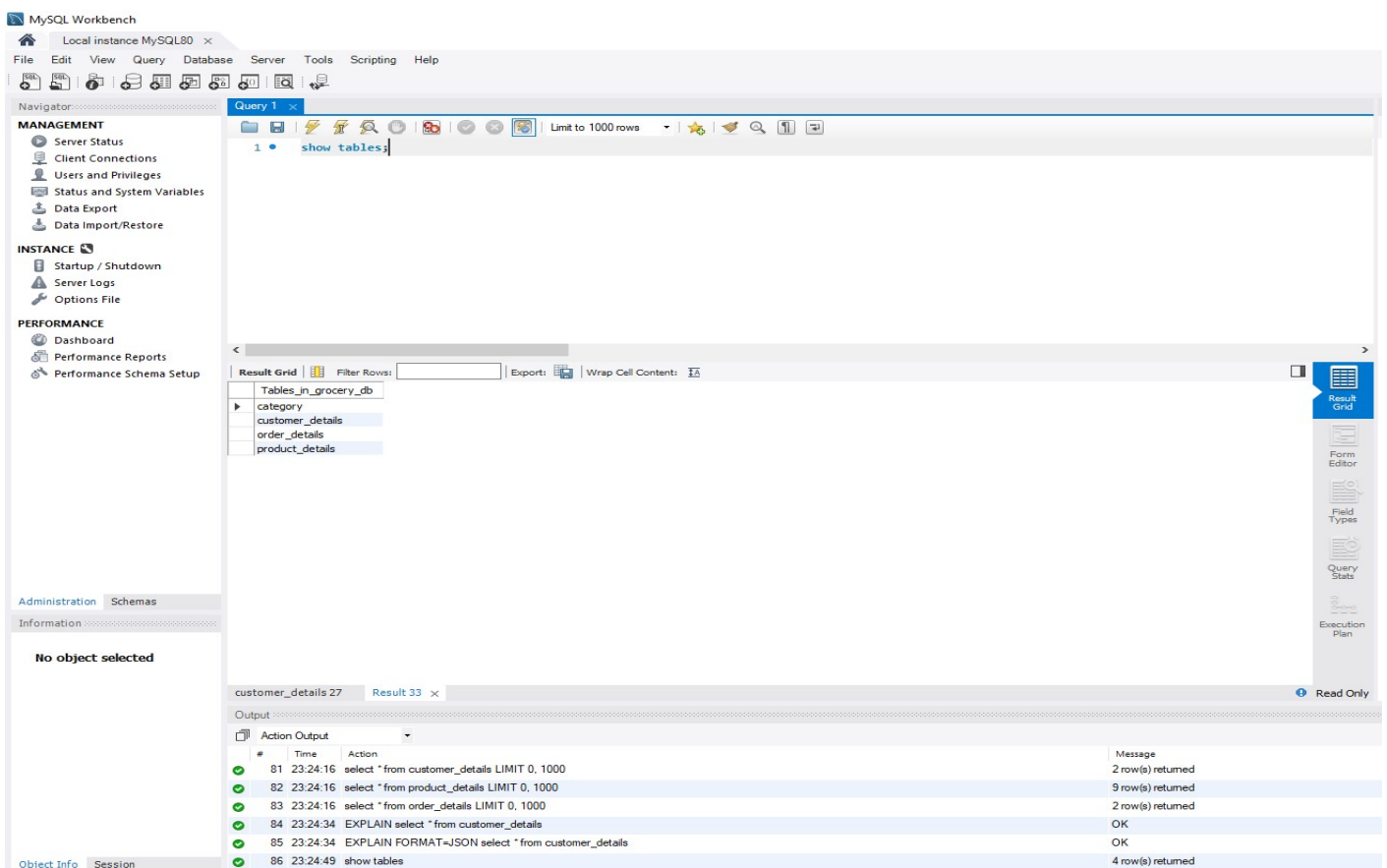
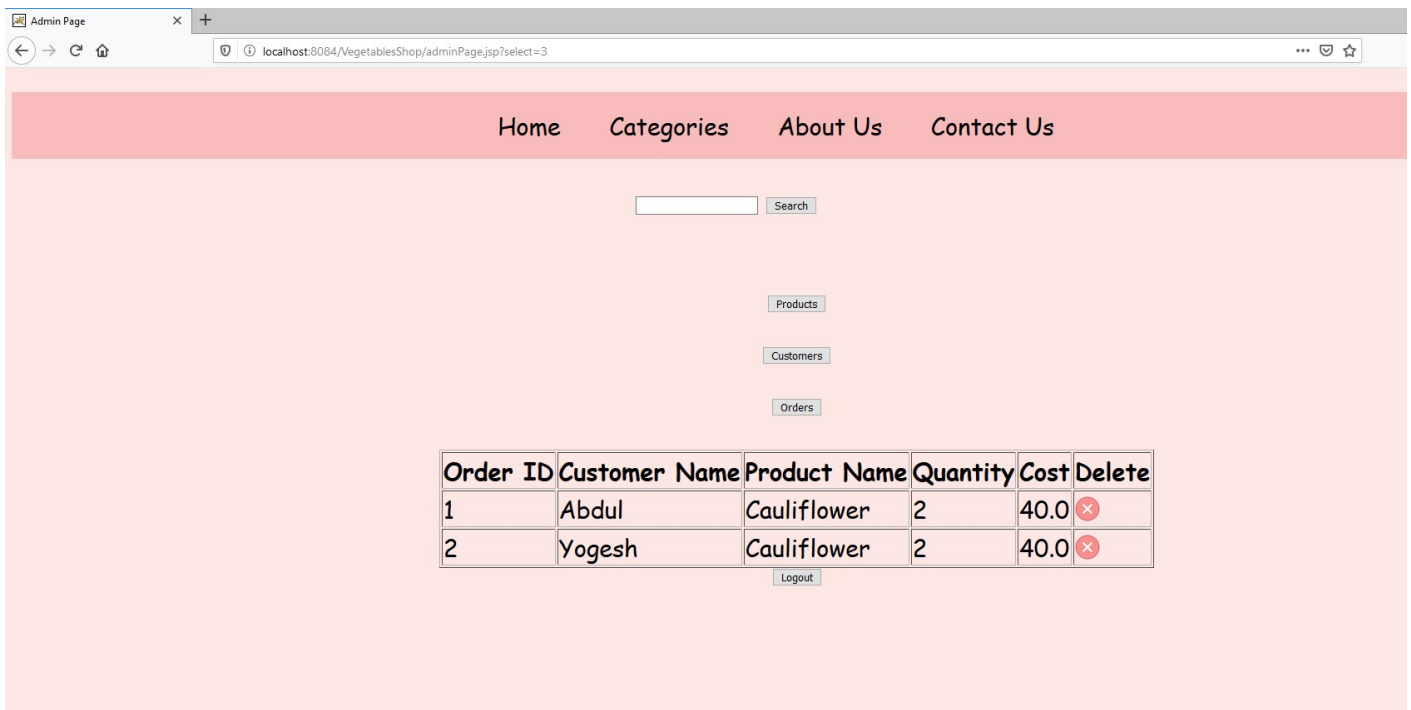
Product ID	Product Name	Price	Delete	Edit
1	Cauliflower	20.0		
2	Potato	40.0		
3	Peas	30.0		
4	Apple	80.0		
5	Grapes	60.0		
6	Banana	40.0		
7	Bournville	20.0		
8	Kitkat	20.0		
9	Munch	20.0		

Below the table are two buttons: Add product and Logout.

The screenshot shows the Admin Page with the URL `localhost:8084/VegetablesShop/adminPage.jsp?select=2`. The page features a navigation bar with links: Home, Categories, About Us, and Contact Us. Below the navigation bar is a search bar and a menu with links: Products, Customers, and Orders. The main content area displays a table of customers.

Customer ID	Customer Name	Phone Number	Delete
1	Abdul	1234567890	
2	Yogesh	1234567890	

Below the table is a button: Logout.



MySQL Workbench

Local instance MySQL80 x

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- Performance Schema Setup

Administration Schemas

Information

No object selected

Query 1 x

Limit to 1000 rows

1 select * from category;

Result Grid

category_id	category_name
1	vegetables
2	fruits
3	chocolates

customer_details 27 category 34 x

Apply

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

Information

No object selected

Query 1 x

Limit to 1000 rows

1 select * from product_details;

Result Grid

product_id	product_name	prod_img	product_desc	product_price	cat_id
1	Cauliflower	cauliflower.jpg	10	20	1
2	Potato	potato.jpg	10	40	1
3	Peas	peas.jpg	10	30	1
4	Apple	apple.jpg	10	80	2
5	Grapes	grapes.jpg	10	60	2
6	Banana	banana.jpg	10	40	2
7	Bournville	bournville.jpg	10	20	3
8	Kitkat	kitkat.jpg	10	20	3
9	Munch	munch.jpg	10	20	3

customer_details 27 product_details 35 x

Read Only

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

Information

No object selected

Query 1 x

```
1 select * from customer_details;
```

Limit to 1000 rows

Result Grid

cust_ID	name	phone_no	email_id	address
1	Abdul	1234567890	abdul@gmail.com	Bangalore
2	Yogesh	1234567890	yogesh@gmail.com	Bangalore
NULL	NULL	NULL	NULL	NULL

customer_details 27 customer_details 36 x

Apply

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: MANAGEMENT

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Administration Schemas

Information

No object selected

Query 1 x

```
1 select * from order_details;
```

Limit to 1000 rows

Result Grid

order_no	quantity	prod_ID	cust_ID
1	2	1	1
2	2	1	2
NULL	NULL	NULL	NULL

customer_details 27 order_details 37 x

Apply

