Online Food Ordering Website

INTRODUCTION:

An online food ordering website serves as a digital gateway, offering users a seamless experience to peruse, select, and order delectable dishes from a multitude of restaurants or culinary havens. Through the power of the internet, these platforms empower customers with the convenience to explore an extensive array of gastronomic delights, effortlessly place orders, and relish the satisfaction of having their chosen meals delivered to their doorstep or prepared for swift pickup.

FEATURES:

• Order Tracking and Notifications:

Implement a robust order tracking system, providing real-time updates on the status of the user's order. Send timely notifications, from order confirmation to delivery or pickup, ensuring a transparent and engaging experience.

• Seamless Payment Options:

Offer a variety of secure and user-friendly payment methods, including credit/debit cards, digital wallets, and cash on delivery. Prioritize the integration of trusted payment gateways for a smooth checkout process.

• Ratings and Reviews:

Facilitate a platform for users to share their dining experiences through ratings and reviews. This not only assists other customers in making informed decisions but also provides valuable feedback to restaurants for continuous improvement.

• Loyalty Programs and Discounts:

Introduce loyalty programs or discounts to incentivize repeat orders. Reward customers for their loyalty, encouraging them to choose your platform for their future culinary cravings.

Application:

• Dietary Accommodations:

Online food ordering websites accommodate various dietary preferences and restrictions, such as vegetarian, vegan, gluten-free, or allergen-free options. This ensures that customers with specific dietary needs can easily find suitable meals.

• Social Sharing and Community Building:

Customers can share their food experiences on social media platforms directly from the online ordering website, fostering community engagement and word-of-mouth marketing.

• Data Analytics and Insights:

Online food ordering platforms collect valuable data on customer preferences, ordering habits, and trends. Restaurant owners can leverage this data to make data-driven decisions, optimize menus, and tailor promotions to their target audience.

• Sustainability Initiatives:

Some online food ordering websites partner with eco-friendly restaurants or implement sustainable packaging options to reduce environmental impact. This appeals to environmentally conscious consumers and aligns with corporate social responsibility goals.

• Virtual Events and Catering Services:

Online food ordering websites can facilitate virtual events and catering services, allowing customers to order large quantities of food for special occasions, corporate events, or gatherings. This expands revenue streams for restaurants and provides convenient options for event planning.

• Integration with Third-Party Services:

Online food ordering platforms can integrate with third-party services such as food delivery aggregators, transportation services, or online review platforms to enhance the overall customer experience and streamline operations for restaurant owners.

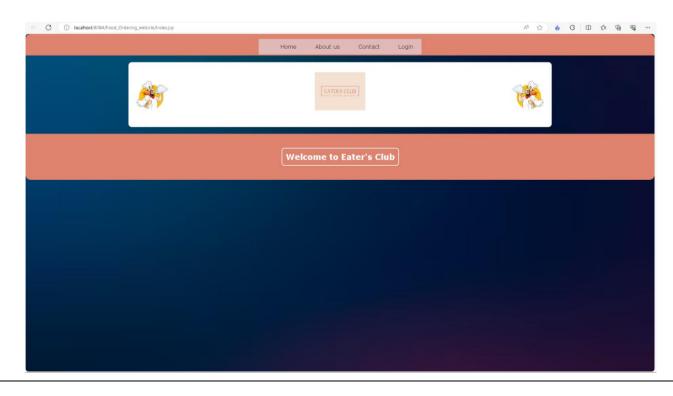
Code:-

1. INDEX.JSP:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="styles.css">
  <title>Food Ordering</title>
  <style>
    body {
       background-image: url('https://img.freepik.com/free-vector/dark-gradient-background-with-copy-
space_53876-99548.jpg?size=626&ext=jpg&ga=GA1.1.87170709.1707696000&semt=ais');
       font-family: 'Verdana', sans-serif;
       margin: 0;
       padding: 0;
       background-color: #f2f2f2;
       background-repeat: no-repeat;
       background-size: cover;
    header {
       background-color: #DF836E;
       color: #ffffff;
       text-align: center;
       padding: 2rem 0; /* Increased padding for the header */
       border-top-left-radius: 15px;
       border-top-right-radius: 15px;
       position: relative;
    h1 {
       border: 2px solid #ffffff;
       display: inline-block;
       padding: 10px;
       border-radius: 8px;
       font-size: 24px;
    nav {
       position: absolute;
       top: 60%; /* Adjusted the vertical position of the navbar */
      left: 50%;
       transform: translate(-50%, -50%);
    }
    nav ul {
       list-style-type: none;
       background-color: #e2b9b9;
       color: #131212;
       text-align: center;
       overflow: hidden;
    }
    nav li {
       display: inline-block;
       margin: 0 25px; /* Increased margin between navbar items */
```

```
nav a {
  display: block;
  color: #242222;
  text-align: center;
  text-decoration: none;
  padding: 14px 0;
  transition: border-bottom 0.3s;
nav a:hover {
  border-bottom: 2px solid #fff;
main {
  max-width: 1200px;
  margin: 20px auto;
  display: flex;
  justify-content: center;
  align-items: center;
  flex-direction: column;
  background-color: #fff;
  box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
  border-radius: 10px;
  padding: 30px;
  position: relative; /* Added relative positioning to the main container */
.logos {
  display: flex;
  justify-content: space-around;
  margin-bottom: 20px;
.logos img {
  max-width: 150px;
}
.box {
  text-align: center;
  margin: 20px;
  padding: 20px;
  border: 1px solid #ba7777;
  border-radius: 5px;
  background-color: #f09494;
  box-shadow: 0 0 5px rgba(21, 21, 21, 0.2);
  width: calc(25\% - 40px);
  transition: transform 0.3s ease-in-out;
footer {
  background-color: #DF836E;
  color: #ffffff;
  text-align: center;
  padding: 10px 0;
  margin-top: 20px;
  border-radius: 0 0 15px 15px;
/* Added styles for positioning Chef images and logo outside the main box */
.chef-images {
  position: absolute;
  top: 50%;
  transform: translateY(-50%);
```

```
display: flex;
      justify-content: space-between;
      width: 100%; /* Added width to occupy full width of main container */
      padding: 0 20px; /* Adjusted padding to match the margin of Chef images */
      box-sizing: border-box; /* Added to include padding in width calculation */
    .chef-images img {
      max-width: 100px;
  </style>
</head>
<body>
  <header>
    <nav>
      <u1>
        <a href="Index.jsp">Home</a>
        <a href="AboutUs.jsp">About us</a>
        <a href="Contect.jsp">Contact</a>
        <a href="Login.jsp">Login</a>
      </nav>
  </header>
  <main>
    <div class="chef-images">
      <img src= "rchef.jpg" alt="Chef Image">
      <img src="lchef.jpg" alt="Chef Image">
    </div>
    <div class="logos">
      <img src="eaterclub.jpg" alt="Eater's Club Logo">
    </div>
  </main>
  <footer>
    <h1>Welcome to Eater's Club</h1>
  </footer>
</body>
</html>
```

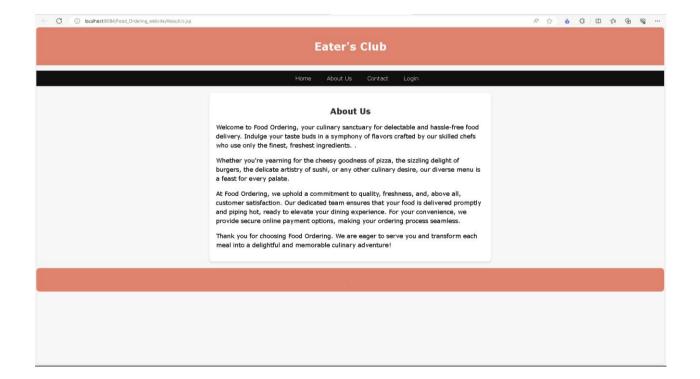


2. AboutUS.jsp:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="styles.css">
<title>About Us - Food Ordering</title>
<style>
body {
font-family: 'Verdana', sans-serif;
margin: 0;
padding: 0;
background-color: #f7f7f7;
header {
background-color: #DF836E; /* Changed header color to #DF836E */
color: #fff;
text-align: center;
padding: 1rem 0;
nav ul {
list-style-type: none;
background-color: #111010;
text-align: center;
overflow: hidden;
nav li {
display: inline-block;
margin: 0 20px;
nav a {
display: block;
color: #fff;
text-align: center;
text-decoration: none;
padding: 14px 0;
transition: border-bottom 0.3s ease-in-out;
nav a:hover {
border-bottom: 2px solid #fff;
main {
max-width: 800px;
```

```
margin: 20px auto;
padding: 20px;
background-color: #fff;
box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
border-radius: 10px;
.about-us h2 {
color: #333;
font-size: 24px;
margin-bottom: 20px;
text-align: center;
.about-us p {
font-size: 18px;
margin-bottom: 15px;
line-height: 1.5;
.about-us img {
width: 100%; /* Adjusted image width to 100% */
border-radius: 10px;
margin-bottom: 20px;
footer {
background-color: #DF836E; /* Changed footer color to #DF836E */
color: #fff;
text-align: center;
padding: 10px 0;
margin-top: 20px;
border-radius: 10px;
</style>
</head>
<body>
<header>
<h1> Eater's Club </h1>
</header>
<nav>
\langle ul \rangle
<a href="Index.jsp">Home</a>
<a href="AboutUs.jsp">About Us</a>
<a href="Contect.jsp">Contact</a>
<a href="Login.jsp">Login</a>
</nav>
<main>
<section class="about-us">
<h2>About Us</h2>
```

- Welcome to Food Ordering, your culinary sanctuary for delectable and hassle-free food delivery. Indulge your taste buds in a symphony of flavors crafted by our skilled chefs who use only the finest, freshest ingredients.
- .
- Whether you're yearning for the cheesy goodness of pizza, the sizzling delight of burgers, the delicate artistry of sushi, or any other culinary desire, our diverse menu is a feast for every palate.
- At Food Ordering, we uphold a commitment to quality, freshness, and, above all, customer satisfaction. Our dedicated team ensures that your food is delivered promptly and piping hot, ready to elevate your dining experience. For your convenience, we provide secure online payment options, making your ordering process seamless.
- Thank you for choosing Food Ordering. We are eager to serve you and transform each meal into a delightful and memorable culinary adventure!
- </section>
- </main>
- <footer>
- >
- .
- </footer>
- </body>
- </html>

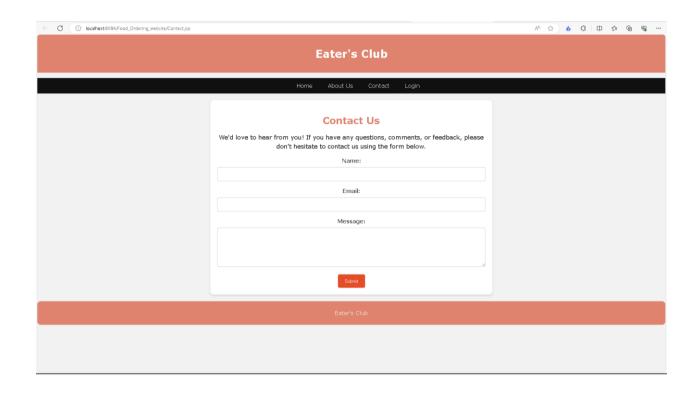


3. Contact.jsp:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="styles.css">
  <title>Contact Us - Eater's Club</title>
  <style>
    body {
       font-family: 'Verdana', sans-serif;
       margin: 0;
       padding: 0;
       background-color: #f2f2f2;
    header {
       background-color: #DF836E;
       color: #fff;
       text-align: center;
       padding: 1rem 0;
    }
    nav ul {
       list-style-type: none;
       background-color: #111010;
       text-align: center;
       overflow: hidden;
    }
    nav li {
       display: inline-block;
       margin: 0 20px;
    }
    nav a {
       display: block;
       color: #fff;
       text-align: center;
       text-decoration: none;
       padding: 14px 0;
       transition: border-bottom 0.3s ease-in-out;
    }
    nav a:hover {
       border-bottom: 2px solid #fff;
    }
 main {
       max-width: 800px;
       margin: 20px auto;
       padding: 20px;
       background-color: #fff;
       box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
```

```
border-radius: 10px;
       color: #333;
     .contact-us h2 {
       color: #DF836E;
       font-size: 28px; /* Adjusted font size */
       margin-bottom: 20px;
       text-align: center;
     .contact-us p {
       font-size: 18px;
       margin-bottom: 20px;
       line-height: 1.5;
       text-align: center;
     .contact-us form {
       text-align: center;
     .contact-us label {
       display: block;
       font-weight: bold;
       margin-bottom: 10px;
       color: #333;
     }
     .contact-us input[type="text"],
     .contact-us input[type="email"],
     .contact-us textarea {
       width: 100%;
       padding: 12px;
       margin-bottom: 20px;
       border: 1px solid #ccc;
       border-radius: 5px;
       box-sizing: border-box;
     }
     .contact-us button[type="submit"] {
       background-color: #e44d26;
       color: #fff;
       border: none;
       padding: 12px 20px;
       border-radius: 5px;
       cursor: pointer;
       transition: background-color 0.3s;
     .contact-us button[type="submit"]:hover {
       background-color: #333;
     }
 footer {
       background-color: #DF836E;
       color: #fff;
       text-align: center;
```

```
padding: 10px 0;
      margin-top: 20px;
      border-radius: 10px;
  </style>
</head>
<body>
  <header>
    <h1>Eater's Club</h1>
  </header>
  <nav>
    <ul>
      <a href="Index.jsp">Home</a>
      <a href="AboutUs.jsp">About Us</a>
      <a href="Contect.jsp">Contact</a>
      <a href="Login.jsp">Login</a>
    </nav>
  <main>
    <section class="contact-us">
      <h2>Contact Us</h2>
      We'd love to hear from you! If you have any questions, comments, or feedback, please don't
hesitate to contact us using the form below.
      <form id="contactForm" action="#" method="post">
         <label for="name">Name:</label>
         <input type="text" id="name" name="name" required>
         <label for="email">Email:</label>
         <input type="email" id="email" name="email" required>
         <label for="message">Message:</label>
         <textarea id="message" name="message" rows="6" required></textarea>
         <button type="submit">Submit</button>
      </form>
    </section>
  </main>
  <footer>
    Eater's Club
  </footer>
  <script>
    document.getElementById('contactForm').addEventListener('submit', function (e) {
      e.preventDefault();
      const name = document.getElementById('name').value;
      const email = document.getElementById('email').value;
      const message = document.getElementById('message').value;
      alert(`Thank you, ${name}! Your message has been submitted.\nEmail: ${email}\nMessage:
${message}`);
      document.getElementById('contactForm').reset();
    });
  </script>
</body>
</html>
```



4. Login.jsp:

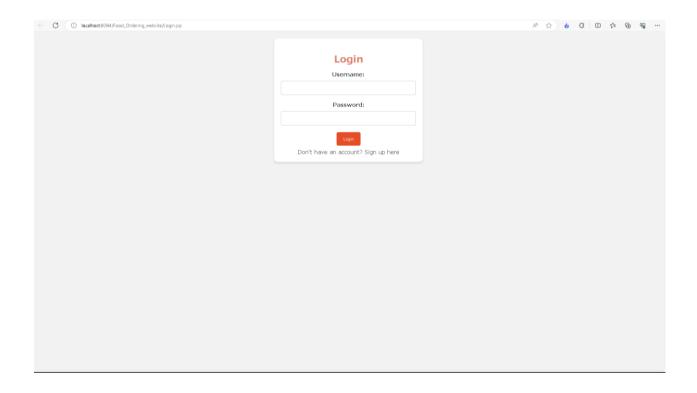
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="styles.css">
  <title>Login - Eater's Club</title>
  <style>
    body {
       font-family: 'Verdana', sans-serif;
       margin: 0;
       padding: 0;
       background-color: #f2f2f2;
main {
       max-width: 400px;
       margin: 20px auto;
       padding: 20px;
       background-color: #fff;
       box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
```

```
border-radius: 10px;
   .login-form {
          text-align: center;
        }
   .login-form h2 {
          color: #DF836E;
          font-size: 28px;
          margin-bottom: 20px;
        .login-form label {
          display: block;
          font-weight: bold;
          margin-bottom: 10px;
          color: #333;
        }
.login-form input[type="text"],
        .login-form input[type="password"] {
          width: 100%;
          padding: 12px;
          margin-bottom: 20px;
          border: 1px solid #ccc;
          border-radius: 5px;
          box-sizing: border-box;
   .login-form button[type="submit"] {
          background-color: #e44d26;
          color: #fff;
          border: none;
          padding: 12px 20px;
          border-radius: 5px;
          cursor: pointer;
          transition: background-color 0.3s;
```

```
.login-form button[type="submit"]:hover {
       background-color: #333;
     }
/* Style for the signup link */
     .signup-link {
       display: block;
       margin-top: 10px;
       color: #333;
       text-decoration: none;
     }
  </style>
</head>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="styles.css">
  <title>Login - Eater's Club</title>
  <style>
    /* Your CSS styles here */
  </style>
</head>
<body>
  <main>
     <section class="login-form">
       <h2>Login</h2>
       <form id="loginForm" action="LoginServlet" method="post">
         <label for="username">Username:</label>
         <input type="text" id="username" name="username" required>
         <label for="password">Password:</label>
```

```
<input type="password" id="password" name="password" required>
         <button type="submit">Login</button>
       </form>
       <!-- Signup link -->
       <a class="signup-link" href="SignUP.jsp">Don't have an account? Sign up here</a>
     </section>
  </main>
  <!-- JavaScript code for login form validation and functionality -->
  <script>
    document.getElementById("loginForm").addEventListener("submit", function (event) {
       event.preventDefault();
       var username = document.getElementById("username").value;
       var password = document.getElementById("password").value;
       var xhr = new XMLHttpRequest();
       xhr.open("POST", "LoginServlet", true);
       xhr.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");
       var data = "username=" + encodeURIComponent(username) + "&password=" +
encodeURIComponent(password);
       xhr.onload = function () {
         if (xhr.status === 200) {
            var response = JSON.parse(xhr.responseText);
if (response.success) {
              alert("Login successful!");
              window.location.href = "index.html"; // Redirect to index.jsp
            } else {
              alert("Login failed. Please check your username and password.");
            }
         } else {
```

OUTPUT:



5. SignUp.jsp

```
<%@ page import="java.sql.*" %>
<%@ page import="javax.servlet.*" %>
<%@ page import="javax.servlet.http.*" %>
< @ page contentType="text/html;charset=UTF-8" language="java" %>
< @ page import="java.security.MessageDigest" %>
< @ page import="java.math.BigInteger" %>
< @ page import="java.util.Base64" %>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="styles.css">
  <title>Sign Up - Eater's Club</title>
  <style>
    body {
      font-family: 'Verdana', sans-serif;
      margin: 0;
      padding: 0;
      background-color: #f2f2f2;
    } main {
      max-width: 400px;
      margin: 20px auto;
      padding: 20px;
      background-color: #fff;
      box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
      border-radius: 10px;
    }
signup-form {
      text-align: center;
    }
```

```
.signup-form h2 {
       color: #DF836E;
       font-size: 28px;
       margin-bottom: 20px;
    }
.signup-form label {
       display: block;
       font-weight: bold;
       margin-bottom: 10px;
       color: #333;
    }
.signup-form input[type="text"],
    .signup-form input[type="password"] {
       width: 100%;
       padding: 12px;
       margin-bottom: 20px;
       border: 1px solid #ccc;
       border-radius: 5px;
       box-sizing: border-box;
    }
.signup-form button[type="submit"] {
       background-color: #e44d26;
       color: #fff;
       border: none;
       padding: 12px 20px;
       border-radius: 5px;
       cursor: pointer;
       transition: background-color 0.3s;
    }
.signup-form button[type="submit"]:hover {
       background-color: #333;
    }
  </style>
</head>
<body>
```

```
<main>
  <section class="signup-form">
    <h2>Sign Up</h2>
    <form id="signupForm" action="SignUP.jsp" method="post">
<label for="newUsername">Username:</label>
      <input type="text" id="newUsername" name="newUsername" required>
<label for="newPassword">Password:</label>
      <input type="password" id="newPassword" name="newPassword" required>
<button type="submit">Sign Up</button>
</form>
  </section>
</main>
<%
  // Parameters from the signup form
  String newUsername = request.getParameter("newUsername");
  String newPassword = request.getParameter("newPassword")
  // JDBC variables
  Connection connection = null;
  PreparedStatement preparedStatement = null;
  try {
    // Load the JDBC driver
    Class.forName("com.mysql.cj.jdbc.Driver");
   //Establish a connection
    connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/food", "root",
"M.2+hddsNsKdp");
    // Create a prepared statement with parameterized query
    String insertQuery = "INSERT INTO users (username, password) VALUES (?, ?)";
    preparedStatement = connection.prepareStatement(insertQuery);
    preparedStatement.setString(1, newUsername);
    // Hash the password before storing
    MessageDigest md = MessageDigest.getInstance("SHA-256");
    md.update(newPassword.getBytes("UTF-8"));
    String hashedPassword = Base64.getEncoder().encodeToString(md.digest());
```

```
preparedStatement.setString(2, hashedPassword);
    // Execute the prepared statement
    int rowsAffected = preparedStatement.executeUpdate();
    if (rowsAffected > 0) {
       // Successful signup
       out.println("<script>alert('Signup successful!');</script>");
    } else {
       // Failed signup
       out.println("<script>alert('Signup failed. Please try again.');</script>");
    }
  } catch (Exception e) {
    e.printStackTrace();
  } finally {
    // Close the resources
    try {
       if (preparedStatement != null) preparedStatement.close();
       if (connection != null) connection.close();
     } catch (SQLException e) {
       e.printStackTrace();
    }
%>
</body>
</html>
                                              Sign Up
```

6. LoginServlet.java

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/LoginServlet")
public class LoginServlet extends HttpServlet {
  private static final long serialVersionUID = 1L;
  protected void doPost(HttpServletRequest request, HttpServletResponse response)
       throws ServletException, IOException {
     response.setContentType("application/json");
    response.setCharacterEncoding("UTF-8");
    PrintWriter out = response.getWriter();
    // Retrieve username and password from the request
    String username = request.getParameter("username");
     String password = request.getParameter("password");
 // JDBC variables
     Connection connection = null;
     PreparedStatement preparedStatement = null;
     ResultSet resultSet = null;
```

```
try {
       // Load the JDBC driver
       Class.forName("com.mysql.cj.jdbc.Driver");
       // Establish a connection (update URL, username, and password as per your database)
  connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/food", "root",
"M.2+hddsNsKdp");
       // Prepare a statement to execute SQL query
       String sql = "SELECT * FROM users WHERE username = ? AND password = ?";
       preparedStatement = connection.prepareStatement(sql);
       preparedStatement.setString(1, username);
       preparedStatement.setString(2, password);
       // Execute the query
       resultSet = preparedStatement.executeQuery();
       // Create a JSON object to send as a response
       if (resultSet.next()) {
         // Successful login
         out.print("{\"success\": true}");
         // Redirect to index.jsp
         request.getRequestDispatcher("/Index.jsp").forward(request, response);
       } else {
         // Failed login
         out.print("{\"success\": false}");
       }
     } catch (Exception e) {
       e.printStackTrace();
       // Handle exceptions appropriately
       out.print("{\"error\": \"" + e.getMessage() + "\"}");
     } finally {
       // Close the resources
       try {
         if (resultSet != null) {
            resultSet.close();
         }
```

```
if (preparedStatement != null) {
    preparedStatement.close();
    }
if (connection != null) {
        connection.close();
    }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
}
catch (SQLException e) {
```

7. SWOT ANALYSIS:

Embrace the Flavorful Journey with Food Ordering!

Strengths:

Convenience: Revel in the ease of ordering from a plethora of restaurants, saving precious time and effort. **Diverse Menu:** Delight your palate with a wide array of cuisines, catering to diverse tastes and preferences. **User-Friendly Interface:** Navigate seamlessly through our intuitive website, ensuring a hassle-free ordering experience.

Efficient Order Management: Experience swift and automated order processing with real-time tracking for an enhanced user journey.

Global Accessibility: Embark on a culinary adventure with the option to explore and order from both local and international eateries.

Weaknesses:

Dependence on Internet Connectivity: Navigate potential limitations in areas with poor internet access, reflecting our reliance on connectivity.

Competition: Navigate the highly competitive online food ordering industry by consistently innovating and amplifying our marketing efforts.

Reliance on Delivery Services: Mitigate risks associated with third-party delivery services to ensure a seamless customer experience.

Technical Issues: Proactively address potential glitches, such as website downtime or payment processing issues, to uphold a positive user experience.

Opportunities:

Partnerships with Restaurants: Enrich our offerings by forming collaborations with a diverse range of restaurants and food establishments.

Mobile App Development: Elevate user experience through a dedicated mobile app, featuring push notifications and enhanced accessibility.

Expansion of Services: Diversify our services with catering, meal subscriptions, and special promotions to attract a broader clientele.

Health-Conscious Options: Tap into the health-conscious market by incorporating and promoting healthier food choices.

Data Analytics for Personalization: Utilize data analytics for personalized recommendations and targeted promotions.

Threats:

Market Saturation: Navigate potential market saturation by continually innovating to acquire and retain customers. **Regulatory Changes:** Adapt to regulatory shifts related to online food delivery and health standards to sustain our business model.

Cybersecurity Risks: Safeguard against cybersecurity threats to protect user information and maintain trust. **Economic Downturn:** Mitigate the impact of economic downturns on consumer spending by adapting to changing trends.

Negative Reviews and Publicity: Proactively address negative reviews and publicity to preserve our platform's reputation.

Conclusion:

In conclusion, Food Ordering serves as a dynamic and convenient solution for modern consumers seeking diverse culinary experiences. While our strengths lie in convenience, user-friendly interfaces, and efficient order management, addressing challenges and embracing opportunities will ensure sustained growth and an enhanced user experience. Join us on this flavorful journey.

