

OVERVIEW:

The Item Locator project is designed to help users efficiently find their items within a database, featuring distinct segments for user and admin functionalities.

User Segment:

Login Page: Users can securely log in with their credentials to access the system.

Registration Page: New users can create an account, providing necessary details to generate their login credentials. After registration, users are redirected to the login page.

Feedback Page: Users can submit feedback regarding any issues or suggestions for the project, which is then reviewed by the admin.

Search Item Page: This is the main interface for users. Users enter the item tag and select the table name to perform a search. Upon clicking the search button, the system queries the database. If the item is found, a success message is displayed; otherwise, an error message is shown. Users can then exit this page and return to the main project page.

Admin Segment:

Login Page: Admins can log in with a unique username and password. There is no registration page as there is only one administrator.

Home Page: Upon logging in, admins are taken to a dashboard that provides access to various database management operations:

Insert: Admins can add new items to the database based on user demand.

Delete: Admins can remove items from the database as required.

Update: Admins can modify item details according to user preferences.

Display: Admins can view all tables and their contents within the database.

Feedback: Admins can review and respond to feedback submitted by users.

After performing any CRUD (Create, Read, Update, Delete) operation, admins can easily navigate back to the home page.

Technical Details:

The project is implemented using Java, JSP, and Servlets for dynamic web content, with HTML and CSS for structuring and styling the web pages. Background images and other design elements are used to enhance the visual appeal and interactivity of the project.

This comprehensive project integrates both front-end and back-end development along with database connectivity, making it a robust full-stack application capable of handling various tasks related to item location and management.

Code & Output:

Welcome.jsp

```
<!DOCTYPE html>
<html>
<head>
    <title>User & Admin Buttons</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://play-
Lh.googleusercontent.com/u3vXOJxgLGrCF1w05RyCt7V4BE5B2NN8i7g-
jALHUVnC_K_HjN_iJckuPm4Mo7u80n0=w526-h296-rw') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            overflow: hidden;
        }
        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.7); /* Black background with opacity */
            z-index: 1;
        }
        .container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with
opacity */
            padding: 20px;
            border-radius: 10px;
            text-align: center;
            border: 2px solid #008CBA; /* Blue border */
        }
        .button {
            background-color: #4CAF50;
            border: none;
            color: white;
            padding: 15px 32px;
            text-align: center;
            text-decoration: none;
            display: inline-block;
            font-size: 16px;
            margin: 4px 2px;
            cursor: pointer;
            border-radius: 8px;
            transition-duration: 0.4s;
        }
        .button:hover {
            background-color: #45a049;
        }
    </style>

```

```

        .heading {
            font-size: 28px;
            margin-bottom: 20px;
        }
    
```

</head>

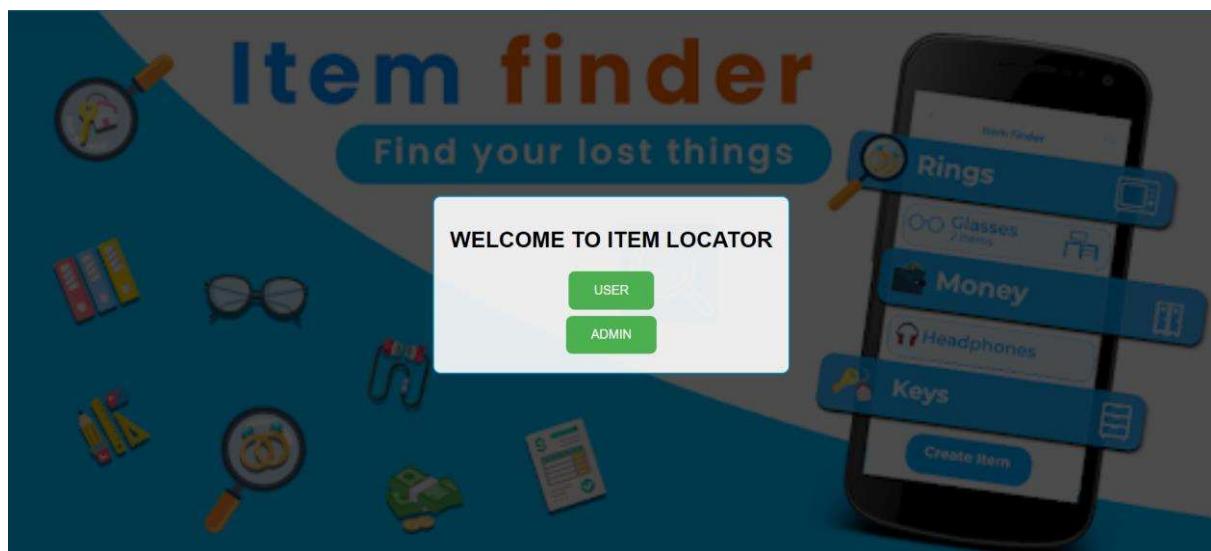
<body>

```

        <div class="overlay"></div>
        <div class="container">
            <h1 class="heading">WELCOME TO ITEM LOCATOR</h1>
            <form action="UserLoginPage.jsp" method="post">
                <button class="button">USER</button>
            </form>
            <form action="AdminLoginPage.jsp" method="post">
                <button class="button">ADMIN</button>
            </form>
        </div>
    
```

</body>

</html>



UserLoginPage.jsp

```

<!DOCTYPE html>
<html>
<head>
    <title>User Login</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcSgCLzbbD0Or25NJ6h7CDRSjdWzwG3oee3uSQ&s') no-
repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
        }
    </style>

```

```
        overflow: hidden;
        position: relative;
    }
    .overlay {
        position: absolute;
        top: 0;
        left: 0;
        right: 0;
        bottom: 0;
        background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
        z-index: 1;
    }
    .login-container {
        position: relative;
        z-index: 2;
        background-color: rgba(255, 255, 255, 0.9); /* White background with
opacity */
        padding: 20px;
        border-radius: 8px;
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        text-align: center;
    }
    h2 {
        margin-bottom: 20px;
        color: #333333; /* Dark gray */
    }
    input[type="text"],
    input[type="password"] {
        width: 100%;
        padding: 10px;
        margin: 10px 0;
        border: 1px solid #ccc;
        border-radius: 5px;
        box-sizing: border-box;
    }
    input[type="submit"] {
        background-color: #4caf50;
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
    }
    input[type="submit"]:hover {
        background-color: #45a049;
    }
    .error-message {
        color: red;
        margin-top: 10px;
    }
    .new-user-link {
        margin-top: 20px;
        font-size: 14px;
    }
}
</style>
</head>
<body>
    <div class="overlay"></div>
    <div class="Login-container">
```

```

<h2>User Login</h2>
<% if (request.getParameter("error") != null) { %>
    <p class="error-message">Invalid username or password!</p>
<% } %>
<form action="UserLoginServlet" method="post">
    <input type="text" name="username" placeholder="Username"
required><br>
    <input type="password" name="password" placeholder="Password"
required><br>
    <input type="submit" value="Login">
</form>
    <p class="new-user-Link">New User? <a href="NewUserRegistration.jsp">Sign
Up Here</a></p>
</div>
</body>
</html>

```

UserLoginServlet.java

```

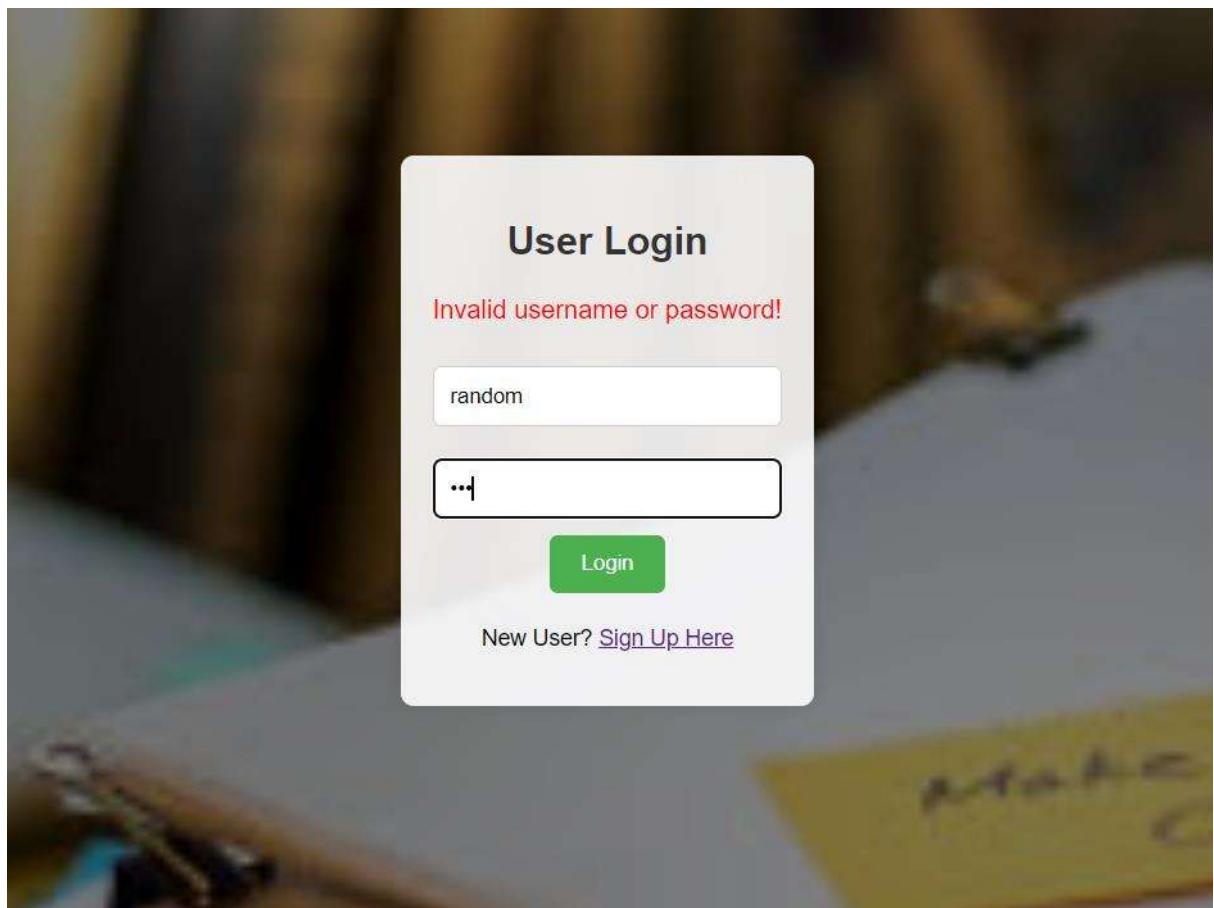
package mp;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
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;
@WebServlet("/UserLoginServlet")
public class UserLoginServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String username = request.getParameter("username");
        String password = request.getParameter("password");

```

```
Connection conn = null;
PreparedStatement stmt = null;
ResultSet rs = null;
try {
    Class.forName("com.mysql.cj.jdbc.Driver");
    conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/item_locator", "root",
"shang08");
    String sql = "SELECT * FROM login WHERE username = ? AND password = ?";
    stmt = conn.prepareStatement(sql);
    stmt.setString(1, username);
    stmt.setString(2, password);
    rs = stmt.executeQuery();
    if (rs.next()) {
        response.sendRedirect("loginSuccess.jsp?username=" + username);
    } else {
        response.sendRedirect("UserLoginPage.jsp?error=1");
    }
} catch (ClassNotFoundException | SQLException e) {
    e.printStackTrace();
    response.sendRedirect("UserLoginPage.jsp?error=1");
} finally {
    try {
        if (rs != null) {
            rs.close();
        }
        if (stmt != null) {
            stmt.close();
        }
        if (conn != null) {
            conn.close();
        }
    } catch (SQLException e) {
```

```
        e.printStackTrace();
    }
}
}
}
```



NewUserRegistrationPage.jsp

```
<!DOCTYPE html>
<html>
<head>
    <title>New User Registration</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background:
url('https://media.istockphoto.com/id/1146311489/photo/register-button-on-
computer-
keyboard.jpg?s=612x612&w=0&k=20&c=1EnEguxyijEYeOI8Hg_BEK0qfs_CnOHyZp5AzN0zLhI=')
no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
        }
    </style>

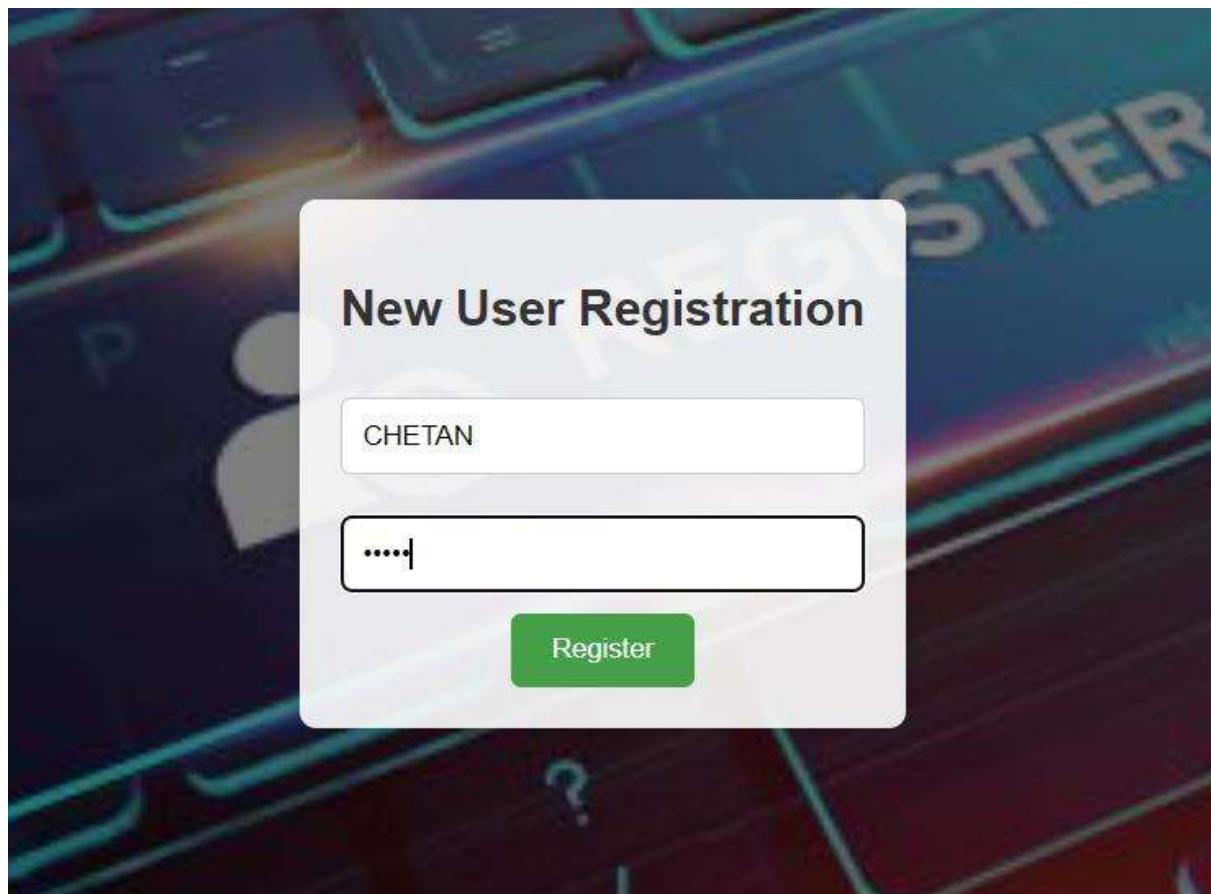
```

```

        height: 100vh;
        overflow: hidden;
        position: relative;
    }
    .overlay {
        position: absolute;
        top: 0;
        left: 0;
        right: 0;
        bottom: 0;
        background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
        z-index: 1;
    }
    .registration-container {
        position: relative;
        z-index: 2;
        background-color: rgba(255, 255, 255, 0.9); /* White background with
opacity */
        padding: 20px;
        border-radius: 8px;
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        text-align: center;
    }
    h2 {
        margin-bottom: 20px;
        color: #333333; /* Dark gray */
    }
    input[type="text"],
    input[type="password"] {
        width: 100%;
        padding: 10px;
        margin: 10px 0;
        border: 1px solid #ccc;
        border-radius: 5px;
        box-sizing: border-box;
    }
    input[type="submit"] {
        background-color: #4caf50;
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
    }
    input[type="submit"]:hover {
        background-color: #45a049;
    }
    .error-message {
        color: red;
        margin-top: 10px;
    }
</style>
</head>
<body>
    <div class="overlay"></div>
    <div class="registration-container">
        <h2>New User Registration</h2>
        <% if (request.getParameter("error") != null) { %>
            <p class="error-message">Error occurred during registration!</p>

```

```
<% } %>
<form action="NewUserRegistrationServlet" method="post">
    <input type="text" name="username" placeholder="Username"
required><br>
    <input type="password" name="password" placeholder="Password"
required><br>
    <input type="submit" value="Register">
</form>
</div>
</body>
</html>
```



NewUserRegistrationServlet.java

```
package mp;

import java.io.IOException;
import java.sql.Connection;
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;
@WebServlet("/NewUserRegistrationServlet")
public class NewUserRegistrationServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String username = request.getParameter("username");
        String password = request.getParameter("password");
        Connection conn = null;
        PreparedStatement stmt = null;
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/item_locator", "root",
"shang08");
            String sql = "INSERT INTO login (username, password) VALUES (?, ?)";
            stmt = conn.prepareStatement(sql);
            stmt.setString(1, username);
            stmt.setString(2, password);
            int rowsAffected = stmt.executeUpdate();
            if (rowsAffected > 0) {
                response.sendRedirect("RegistrationSuccess.jsp");
            } else {
                response.sendRedirect("NewUserRegistration.jsp?error=1");
            }
        } catch (ClassNotFoundException | SQLException e) {
            e.printStackTrace();
            response.sendRedirect("NewUserRegistration.jsp?error=1");
        } finally {
            try {
                if (stmt != null) {
```

```

stmt.close();
}

if (conn != null) {
    conn.close();
}

} catch (SQLException e) {
    e.printStackTrace();
}

}

}

}

```

RegistrationSuccess.jsp

```

<!DOCTYPE html>
<html>
<head>
    <title>Registration Success</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background:
url('https://static5.depositphotos.com/1029663/414/i/450/depositphotos_4141203-
stock-photo-green-tick-symbol.jpg') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            overflow: hidden;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        .success-container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with
opacity */

```

```

        padding: 20px;
        border-radius: 8px;
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        text-align: center;
    }

    h2 {
        margin-bottom: 20px;
        color: #333333; /* Dark gray */
    }

    p {
        font-size: 18px;
        color: #333333; /* Dark gray */
    }

    .button-container {
        margin-top: 20px;
    }

    .redirect-button {
        background-color: #4caf50;
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        text-decoration: none;
    }

    .redirect-button:hover {
        background-color: #45a049;
    }

```

</style>

</head>

<body>

Registration Successful!

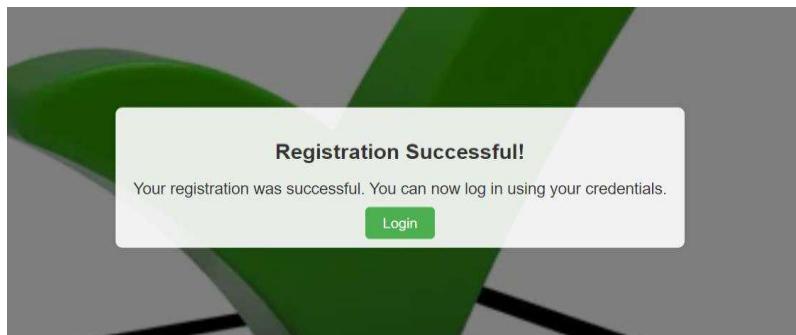
Your registration was successful. You can now log in using your credentials.

[Login](UserLoginPage.jsp)

</div>

</body>

</html>



loginSuccess.jsp

```
<!DOCTYPE html>
<html>
<head>
    <title>Login Success</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background:
url('https://as2.ftcdn.net/v2/jpg/05/05/37/09/1000_F_505370998_zkiRZmSKt6em0Ii5RZ2XjaLhDurQ84xP.jpg') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            overflow: hidden;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        .success-container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with
opacity */
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            text-align: center;
        }

        h2 {
            margin-bottom: 20px;
            color: #333333; /* Dark gray */
        }

        p {
            font-size: 18px;
            color: #333333; /* Dark gray */
        }

        .redirect-button {
            background-color: #4CAF50;
            color: white;
            padding: 14px 20px;
            margin: 10px 0;
        }
    </style>

```

```

        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
        text-decoration: none;
    }

    .redirect-button:hover {
        background-color: #45a049;
    }

    /* Style for the feedback button */
    .feedback-button {
        position: absolute;
        top: 20px;
        right: 20px;
        background-color: #007bff; /* Blue */
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
        text-decoration: none;
        z-index: 2;
    }

    .feedback-button:hover {
        background-color: #0056b3; /* Darker blue on hover */
    }

```

</style>

</head>

<body>

<div class="overlay"></div>

<div class="success-container">

<h2>Login Successful!</h2>

<p>Welcome, <%= request.getParameter("username") %>!</p>

Search Item

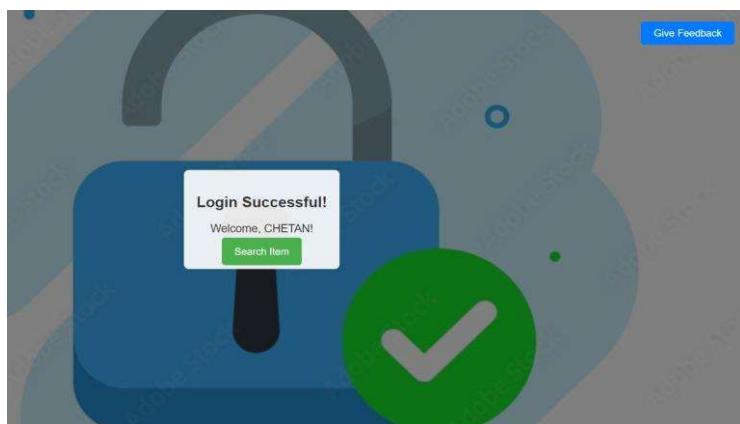
</div>

<!-- Feedback Button -->

Give Feedback

</body>

</html>



Search.jsp

```
<!DOCTYPE html>
<html>
<head>
    <title>Search Item</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background:
url('https://static.vecteezy.com/system/resources/thumbnails/002/272/250/small/browser-search-bar-template-simple-minimal-design-with-magnifying-glass-search-icon-free-free-vector.jpg') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            overflow: hidden;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        form {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with
opacity */
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            text-align: center;
        }

        h2 {
            margin-bottom: 20px;
            color: #333333; /* Dark gray */
        }

        label {
            display: block;
            margin-bottom: 10px;
            color: #333333; /* Dark gray */
        }

        input[type="text"], select {
            width: 100%;
            padding: 10px;
        }
    </style>

```

```

        margin-bottom: 20px;
        border: 1px solid #ccc;
        border-radius: 5px;
        box-sizing: border-box;
    }

    input[type="submit"] {
        background-color: #ff4444;
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
    }

    input[type="submit"]:hover {
        background-color: #cc0000;
    }

    .error-message {
        color: red;
        margin-top: 10px;
    }

```

</style>

</head>

<body>

<div class="overlay"></div>

<form action="SearchItemServlet" method="post">

<h2>Search Item</h2>

<label for="itemTag">Item Tag:</label>

<input type="text" id="itemTag" name="itemTag" required>

<label for="tableName">Table Name:</label>

<select id="tableName" name="tableName">

- <option value="select">Select Table</option>
- <option value="table1">Table 1</option>
- <option value="table2">Table 2</option>
- <option value="table3">Table 3</option>
- <option value="table4">Table 4</option>
- <option value="table5">Table 5</option>

</select>

<input type="submit" value="Search">

<!-- Display error message if any -->

<% if (request.getParameter("error") != null) { %>

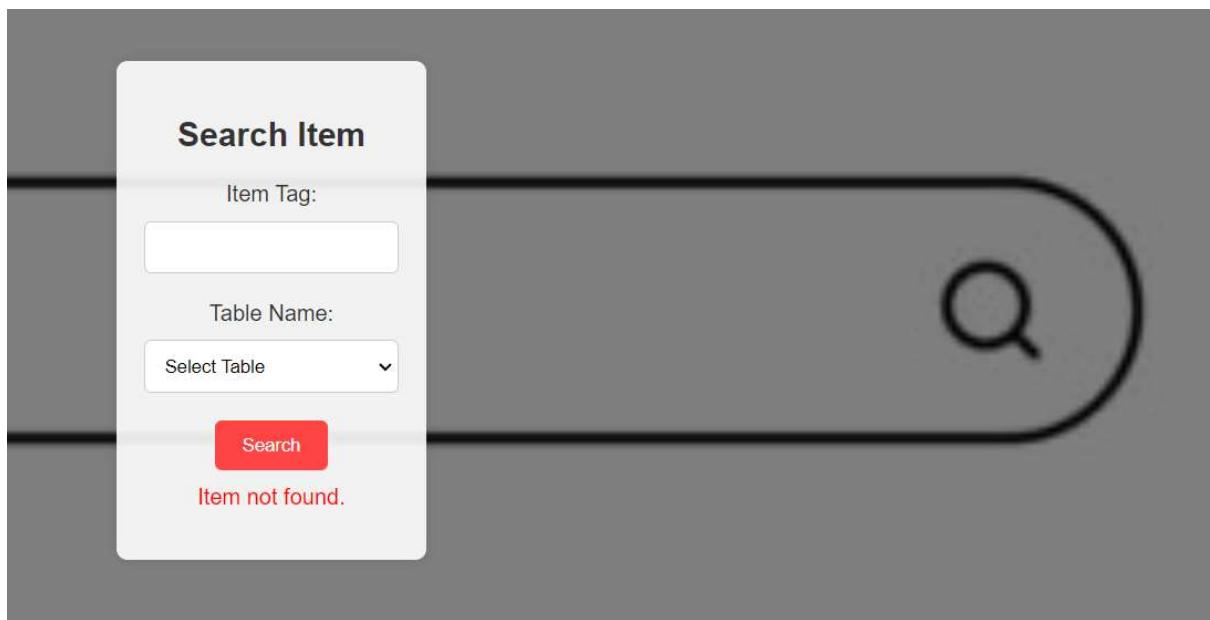
<p class="error-message">Item not found.</p>

<% } %>

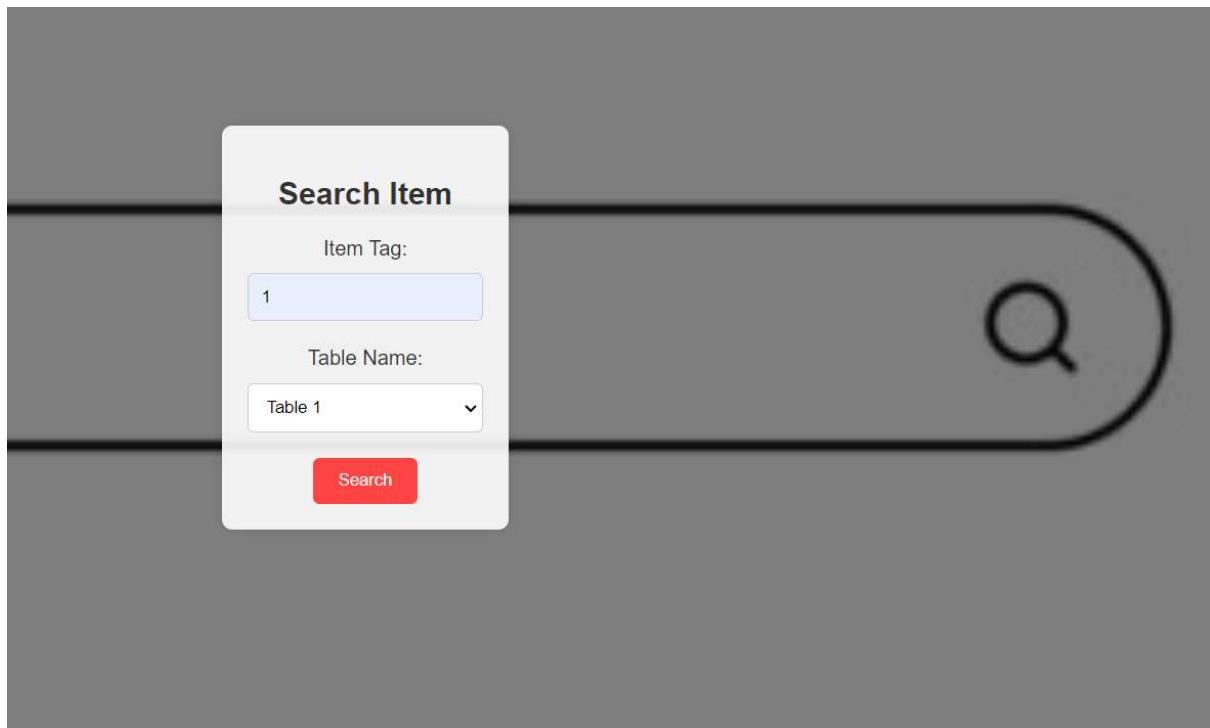
</form>

</body>

</html>



After item being inserted :



SearchItemServlet.java

```
package mp;  
  
import java.io.IOException;  
  
import java.sql.Connection;  
  
import java.sql.DriverManager;  
  
import java.sql.PreparedStatement;
```

```
import java.sql.ResultSet;
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;
@WebServlet("/SearchItemServlet")
public class SearchItemServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String itemTag = request.getParameter("itemTag");
        String tableName = request.getParameter("tableName");
        Connection conn = null;
        PreparedStatement stmt = null;
        ResultSet rs = null;
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/item_locator", "root",
"shang08");
            String sql = "SELECT * FROM " + tableName + " WHERE item_tag = ?";
            stmt = conn.prepareStatement(sql);
            stmt.setString(1, itemTag);
            rs = stmt.executeQuery();
            if (rs.next()) {
                request.setAttribute("itemName", rs.getString("item_name"));
                request.setAttribute("itemTag", rs.getString("item_tag"));
                request.setAttribute("tableName", tableName);
                request.getRequestDispatcher("SearchResult.jsp").forward(request, response);
            } else {
                response.sendRedirect("SearchItem.jsp?error=1");
            }
        } catch (SQLException e) {
            e.printStackTrace();
        } finally {
            if (stmt != null) {
                try {
                    stmt.close();
                } catch (SQLException e) {
                    e.printStackTrace();
                }
            }
            if (conn != null) {
                try {
                    conn.close();
                } catch (SQLException e) {
                    e.printStackTrace();
                }
            }
        }
    }
}
```

```

        }

    } catch (ClassNotFoundException | SQLException e) {
        e.printStackTrace();
        response.sendRedirect("SearchItem.jsp?error=1");
    } finally {
        try {
            if (rs != null) {
                rs.close();
            }
            if (stmt != null) {
                stmt.close();
            }
            if (conn != null) {
                conn.close();
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}

```

SearchResult.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Search Result</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://www.shutterstock.com/image-photo/fountain-
pen-on-blank-book-260nw-187986062.jpg') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
        }
    </style>
</head>
<body>
</body>
</html>

```

```
        height: 100vh;
        position: relative;
    }

    .overlay {
        position: absolute;
        top: 0;
        left: 0;
        right: 0;
        bottom: 0;
        background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
        z-index: 1;
    }

    .result-container {
        position: relative;
        z-index: 2;
        background-color: rgba(255, 255, 255, 0.9); /* White background with
opacity */
        padding: 20px;
        border-radius: 8px;
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        text-align: left;
        width: 400px;
    }

    h2 {
        margin-bottom: 20px;
        color: #333333; /* Dark gray */
    }

    p {
        margin: 10px 0;
        color: #444444; /* Slightly darker gray */
    }

    .action-links {
        margin-top: 20px;
    }

    .action-links a {
        margin-right: 10px;
        padding: 8px 20px;
        background-color: #007bff; /* Blue */
        color: #ffffff; /* White */
        text-decoration: none;
        border-radius: 5px;
        transition: background-color 0.3s;
    }

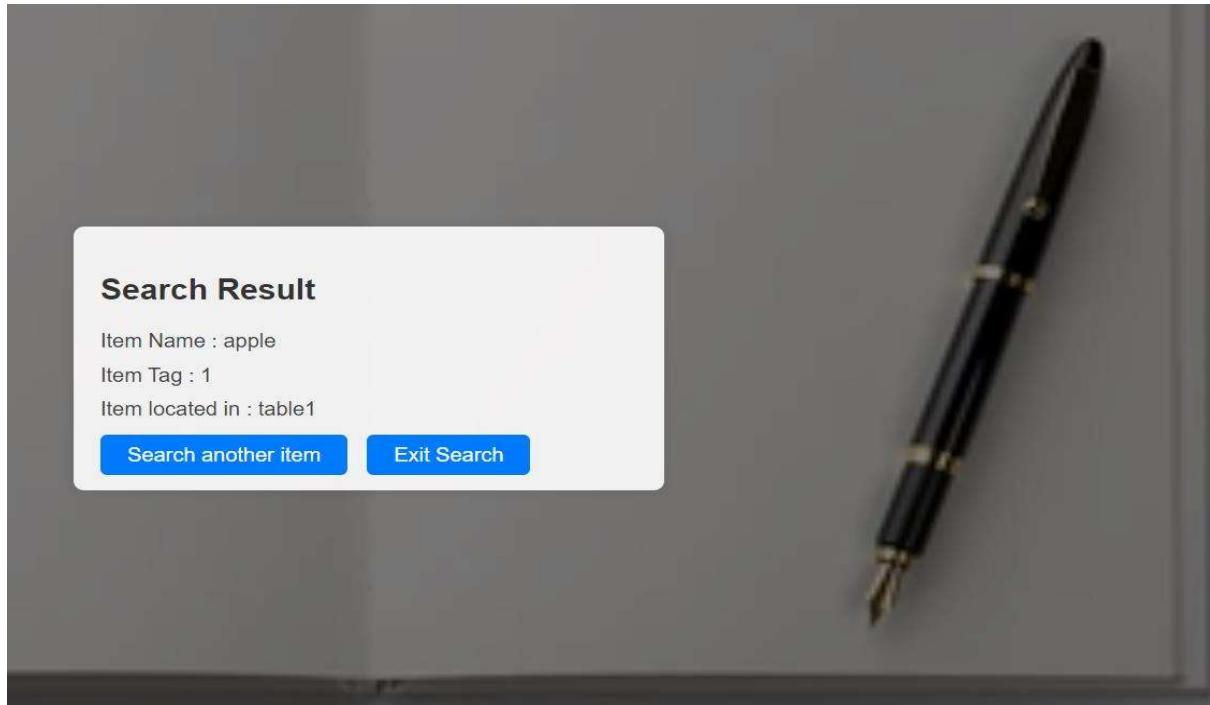
    .action-links a:hover {
        background-color: #0056b3; /* Darker blue on hover */
    }
</style>
</head>
<body>
    <div class="overlay"></div>
    <div class="result-container">
        <h2>Search Result</h2>
```

```

<%
String itemName = (String) request.getAttribute("itemName");
String itemTag = (String) request.getAttribute("itemTag");
String tableName = (String) request.getAttribute("tableName");

if (itemName != null && itemTag != null && tableName != null) {
%>
    <p>Item Name : <%= itemName %></p>
    <p>Item Tag : <%= itemTag %></p>
    <p>Item located in : <%= tableName %></p>
    <div class="action-links">
        <a href="SearchItem.jsp">Search another item</a>
        <a href="welcome.jsp">Exit Search</a>
    </div>
<%
} else {
%>
    <p>No item found.</p>
    <div class="action-links">
        <a href="SearchItem.jsp">Search again</a>
        <a href="welcome.jsp">Exit Search</a>
    </div>
<%
}
%>
</div>
</body>
</html>

```



Feedback.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>

```

```
<head>
  <title>Feedback</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-image:
url('https://t3.ftcdn.net/jpg/04/09/76/38/360_F_409763869_m3QVL40ELQaLmRU8AEicBLkd
uNLBAMpm.jpg');
      background-size: cover;
      background-repeat: no-repeat;
      background-position: center center;
      background-attachment: fixed;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }

    .container {
      background-color: rgba(255, 255, 255, 0.9);
      padding: 20px;
      border-radius: 8px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      text-align: center;
      width: 400px;
    }

    h2 {
      margin-bottom: 20px;
      color: #333333;
    }

    form {
      display: flex;
      flex-direction: column;
      align-items: center;
    }

    label {
      margin-bottom: 10px;
      color: #333333;
    }

    input[type="text"], textarea {
      width: 100%;
      padding: 10px;
      margin-bottom: 20px;
      border: 1px solid #ccc;
      border-radius: 5px;
      box-sizing: border-box;
    }

    textarea {
      resize: vertical;
    }

    .complaints {
```

```

        height: 100px;
    }

    .suggestions {
        height: 100px;
    }

    input[type="submit"] {
        background-color: #007bff;
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
    }

    input[type="submit"]:hover {
        background-color: #0056b3;
    }

    .message {
        color: red;
    }

```

</style>

</head>

<body>

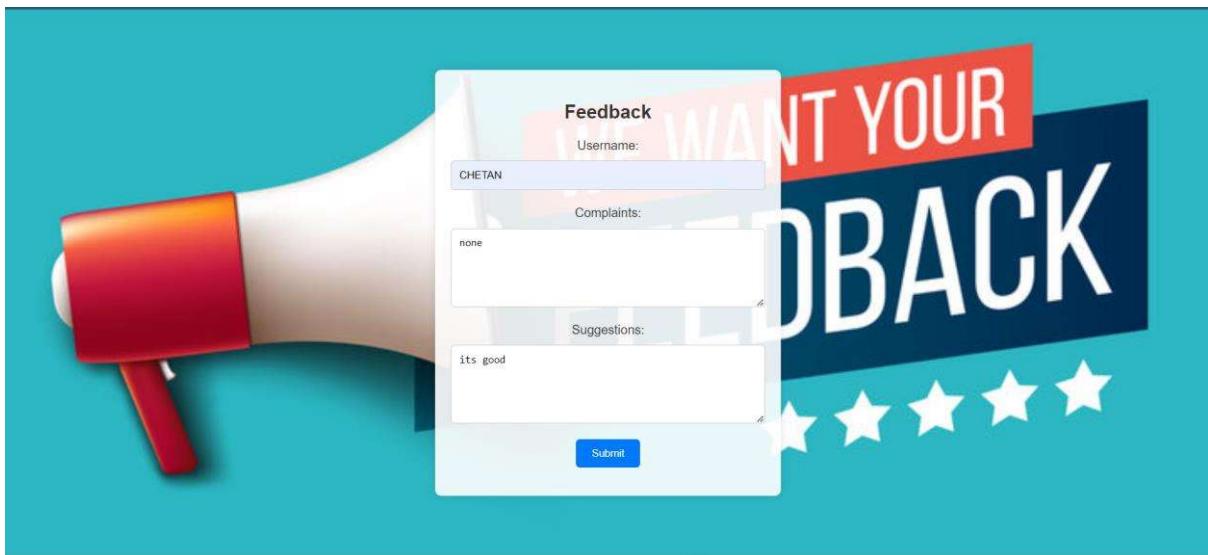
```

<div class="container">
    <h2>Feedback</h2>
    <form action="FeedbackServlet" method="post">
        <label for="username">Username:</label>
        <input type="text" id="username" name="username" placeholder="Enter your username" required>
        <label for="complaints">Complaints:</label>
        <textarea id="complaints" name="complaints" class="complaints" placeholder="Enter your complaints" required></textarea>
        <label for="suggestions">Suggestions:</label>
        <textarea id="suggestions" name="suggestions" class="suggestions" placeholder="Enter your suggestions" required></textarea>
        <input type="submit" value="Submit">
    </form>
    <p class="message">
        <%= request.getAttribute("message") != null ? request.getAttribute("message") : "" %>
    </p>
</div>

```

</body>

</html>



FeedbackServlet.java

```
package mp;

import java.io.IOException;
import java.sql.Connection;
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;
@WebServlet("/FeedbackServlet")
public class FeedbackServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private static final String JDBC_DRIVER = "com.mysql.cj.jdbc.Driver";
    private static final String DB_URL = "jdbc:mysql://localhost:3306/item_locator";
    private static final String DB_USER = "root";
    private static final String DB_PASSWORD = "shang08";
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
```

```

String username = request.getParameter("username");
String complaints = request.getParameter("complaints");
String suggestions = request.getParameter("suggestions");
String message;
try {
    if (insertFeedback(username, complaints, suggestions)) {
        message = "Feedback submitted successfully!";
        request.setAttribute("message", message);
        request.setAttribute("username", username);
        request.setAttribute("complaints", complaints);
        request.setAttribute("suggestions", suggestions);
        request.getRequestDispatcher("FeedbackSuccess.jsp").forward(request, response);
    } else {
        message = "Error submitting feedback! Please try again later.";
        request.setAttribute("message", message);
        request.getRequestDispatcher("feedback.jsp").forward(request, response);
    }
} catch (Exception e) {
    e.printStackTrace();
    request.setAttribute("message", "An error occurred. Please try again later.");
    request.getRequestDispatcher("feedback.jsp").forward(request, response);
}
private boolean insertFeedback(String username, String complaints, String suggestions) throws
ClassNotFoundException, SQLException {
    Class.forName(JDBC_DRIVER);
    try (Connection connection = DriverManager.getConnection(DB_URL, DB_USER,
DB_PASSWORD);
        PreparedStatement pstmt = connection.prepareStatement("INSERT INTO feedback
(username, complaints, suggestions) VALUES (?, ?, ?)")) {
        pstmt.setString(1, username);

```

```

        pstmt.setString(2, complaints);
        pstmt.setString(3, suggestions);
        return pstmt.executeUpdate() > 0;
    }
}
}

```

FeedbackSuccess.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Feedback Success</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://images.rawpixel.com/image_800/czNmcy1wcmL2YXRLL3Jhd3BpeGVsX2LtyWdLcy93ZWJzaXRLX2NvbnRlbnQvbHIvczY0LXJvYjgzMTktbwLudHktMTEuanBn.jpg') no-repeat center
            center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            overflow: hidden;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5);
            z-index: 1;
        }

        .success-container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9);
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            text-align: center;
            width: 400px;
        }
    </style>

```

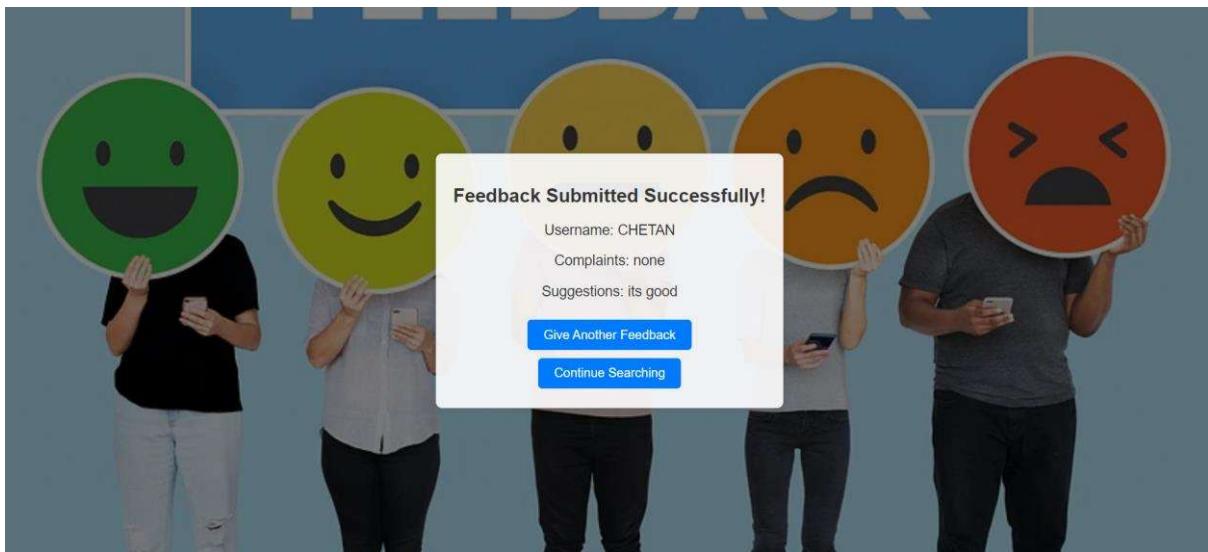
```
h2 {
    margin-bottom: 20px;
    color: #333333;
}

p {
    font-size: 18px;
    color: #333333;
}

.navigation {
    margin-top: 20px;
}

.button {
    background-color: #007bff;
    color: white;
    padding: 10px 20px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    text-decoration: none;
    font-size: 16px;
    margin: 5px;
    transition: background-color 0.3s;
    display: inline-block;
}

.button:hover {
    background-color: #0056b3;
}
</style>
</head>
<body>
    <div class="overlay"></div>
    <div class="success-container">
        <h2>Feedback Submitted Successfully!</h2>
        <p>Username: <%= request.getAttribute("username") %></p>
        <p>Complaints: <%= request.getAttribute("complaints") %></p>
        <p>Suggestions: <%= request.getAttribute("suggestions") %></p>
        <div class="navigation">
            <a href="feedback.jsp" class="button">Give Another Feedback</a>
            <a href="LoginSuccess.jsp" class="button">Continue Searching</a>
        </div>
    </div>
</body>
</html>
```



AdminLoginPage.jsp

```
<!DOCTYPE html>
<html>
<head>
    <title>Admin Login</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://c8.alamy.com/comp/2R9B4AE/admin>Login-sign-made-of-wood-on-a-table-2R9B4AE.jpg') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        .login-container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with slight opacity */
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            text-align: center;
        }
    </style>
</head>
<body>
```

```

        h2 {
            margin-bottom: 20px;
        }

        input[type="text"],
        input[type="password"] {
            width: 100%;
            padding: 10px;
            margin: 10px 0;
            border: 1px solid #ccc;
            border-radius: 5px;
            box-sizing: border-box;
        }

        input[type="submit"] {
            background-color: #4caf50;
            color: white;
            padding: 10px 20px;
            border: none;
            border-radius: 5px;
            cursor: pointer;
        }

        input[type="submit"]:hover {
            background-color: #45a049;
        }

        .error-message {
            color: red;
            margin-top: 10px;
        }
    
```

</style>

</head>

<body>

<div class="overlay"></div>

<div class="Login-container">

<h2>Admin Login</h2>

<% if (request.getParameter("error") != null) { %>

<p class="error-message">Invalid credentials!</p>

<% } %>

<form action="AdminLoginServlet" method="post">

<input type="text" name="name" placeholder="name" required>

<input type="password" name="password" placeholder="Password" required>

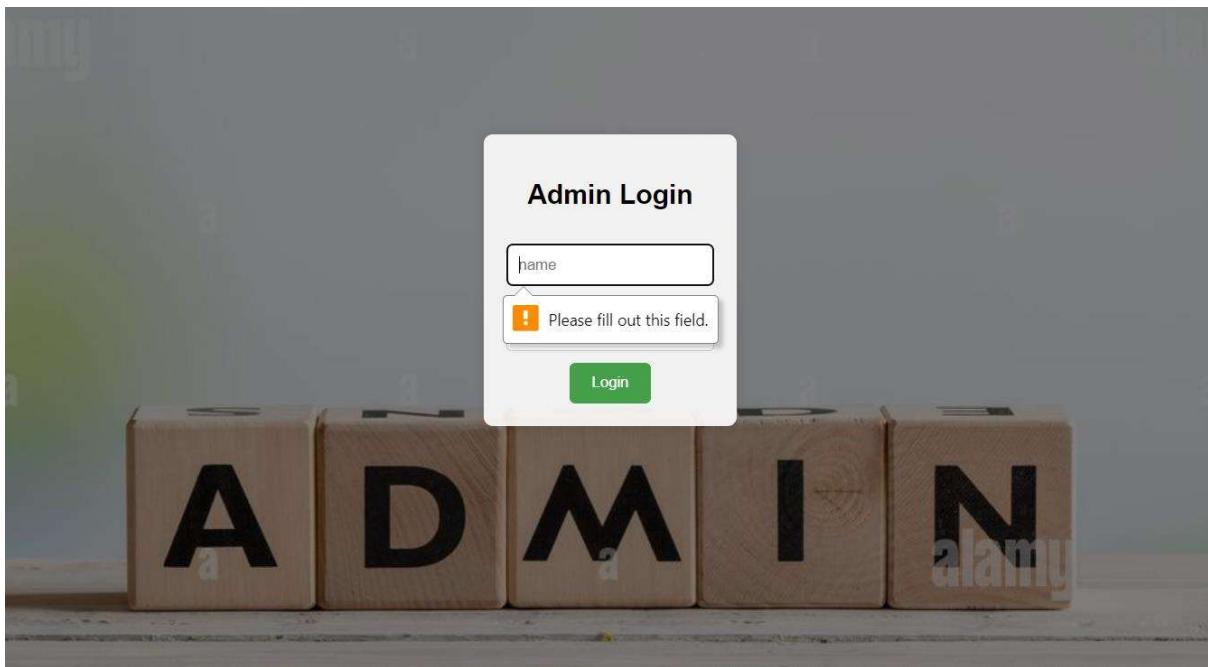
<input type="submit" value="Login">

</form>

</div>

</body>

</html>



AdminloginServlet.java

```
package mp;

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;

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

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String name = request.getParameter("name");
        String password = request.getParameter("password");
        if ("admin".equals(name) && "shang".equals(password)) {
            response.sendRedirect("AdminHome.jsp");
        } else {
            response.sendRedirect("AdminLoginPage.jsp?error=1");
        }
    }
}
```

```
    }
}

}
```

AdminHome.jsp

```
<!DOCTYPE html>
<html>
<head>
    <title>Admin Home</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://thumbs.dreamstime.com/b/cyber-screen-blue-hacker-digital-text-motion-graphic-background-backdrop-171221464.jpg') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        .container {
            position: relative;
            z-index: 2;
            max-width: 800px;
            margin: 50px auto;
            padding: 20px;
            background-color: rgba(255, 255, 255, 0.9); /* White background with slight opacity */
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }

        h2 {
            margin-bottom: 20px;
            color: #333333;
        }

        .welcome-message {
            margin-bottom: 30px;
            font-size: 24px;
            color: #333333;
        }
    </style>

```

```

        }

    .operation-container {
        display: flex;
        justify-content: space-between;
        flex-wrap: wrap;
    }

    .operation-card {
        width: 45%;
        margin-bottom: 20px;
        padding: 20px;
        background-color: #f2f2f2;
        border-radius: 8px;
        box-shadow: 0 0 5px rgba(0, 0, 0, 0.1);
        transition: transform 0.3s ease;
    }

    .operation-card:hover {
        transform: translateY(-5px);
        background-color: #e0e0e0; /* Change background color on hover */
    }

    .operation-title {
        font-size: 20px;
        margin-bottom: 10px;
        color: #333333;
    }

    .operation-description {
        font-size: 16px;
        color: #666666;
    }

    .operation-link {
        display: block;
        margin-top: 20px;
        text-decoration: none;
        color: #4caf50;
        font-weight: bold;
        text-align: center;
        transition: color 0.3s ease;
    }

    .operation-link:hover {
        color: #45a049;
    }

```

</style>

</head>

<body>

<div class="overlay"></div>

<div class="container">

<h2 align="center">Welcome Admin</h2>

<p class="welcome-message" align="center">What would you like to do today?</p>

<div class="operation-container">

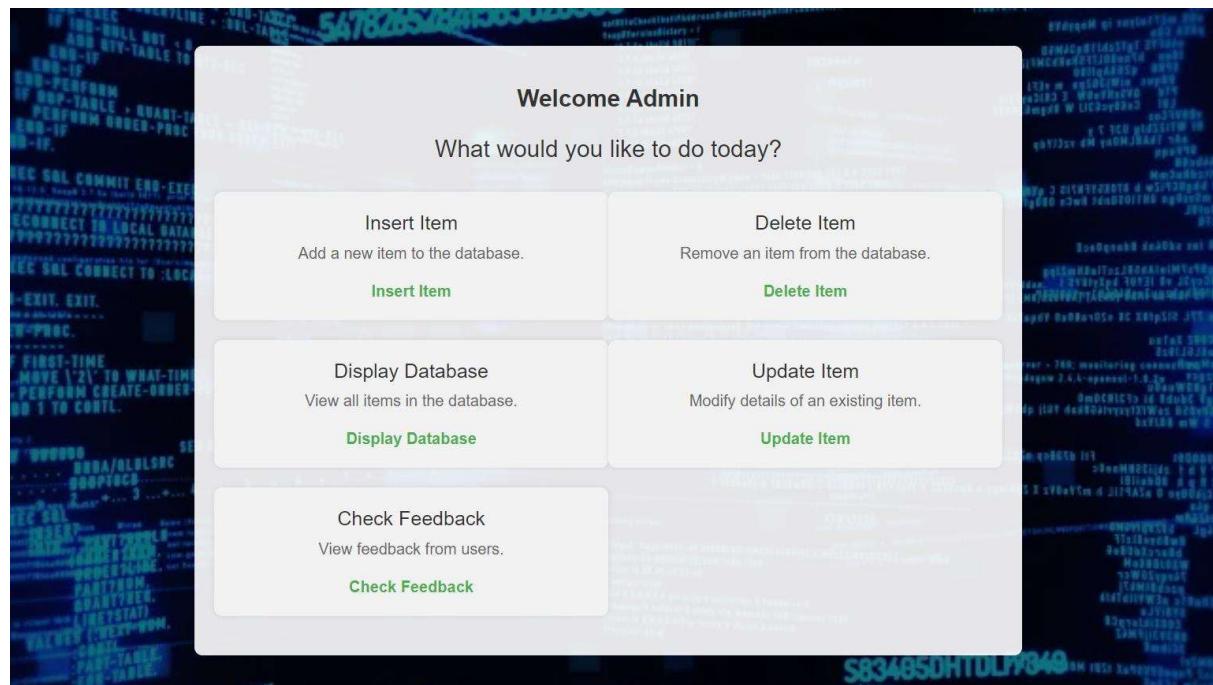
<div class="operation-card" align="center">

<div class="operation-title">Insert Item</div>

```

<div class="operation-description">Add a new item to the
database.</div>
    <a href="insert.jsp" class="operation-link">Insert Item</a>
</div>
<div class="operation-card" align="center">
    <div class="operation-title">Delete Item</div>
    <div class="operation-description">Remove an item from the
database.</div>
    <a href="delete.jsp" class="operation-link">Delete Item</a>
</div>
<div class="operation-card" align="center">
    <div class="operation-title">Display Database</div>
    <div class="operation-description">View all items in the
database.</div>
    <a href="display.jsp" class="operation-link">Display Database</a>
</div>
<div class="operation-card" align="center">
    <div class="operation-title">Update Item</div>
    <div class="operation-description">Modify details of an existing
item.</div>
    <a href="update.jsp" class="operation-link">Update Item</a>
</div>
<div class="operation-card" align="center">
    <div class="operation-title">Check Feedback</div>
    <div class="operation-description">View feedback from users.</div>
    <a href="showfeedbacks.jsp" class="operation-link">Check
Feedback</a>
</div>
</div>
</div>
</body>
</html>

```



Insert.jsp

```
<!DOCTYPE html>
<html>
<head>
    <title>Insert Item</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://cdn-icons-png.flaticon.com/512/8970/8970722.png') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        .insert-container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with slight opacity */
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            text-align: center;
        }

        h2 {
            margin-bottom: 20px;
        }

        input[type="text"] {
            width: 100%;
            padding: 10px;
            margin: 10px 0;
            border: 1px solid #ccc;
            border-radius: 5px;
            box-sizing: border-box;
        }

        select {
            width: 100%;
            padding: 10px;
            margin: 10px 0;
        }
    </style>
</head>
<body>
    <div class="insert-container">
        <h2>Insert Item</h2>
        <input type="text" placeholder="Item Name" />
        <select>
            <option>Category A</option>
            <option>Category B</option>
            <option>Category C</option>
        </select>
        <button>Insert</button>
    </div>
</body>
</html>
```

```

        border: 1px solid #ccc;
        border-radius: 5px;
        box-sizing: border-box;
    }

    input[type="submit"] {
        background-color: #4CAF50;
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
    }

    input[type="submit"]:hover {
        background-color: #45A049;
    }

```

</style>

</head>

<body>

<div class="overlay"></div>

<div class="insert-container">

<h2>Insert Item</h2>

<form action="InsertItemServlet" method="post">

<input type="text" name="itemName" placeholder="Item Name">

<input type="text" name="itemTag" placeholder="Item Tag">

<select name="tableName">

<option value="table1">Table 1</option>

<option value="table2">Table 2</option>

<option value="table3">Table 3</option>

<option value="table4">Table 4</option>

<option value="table5">Table 5</option>

</select>

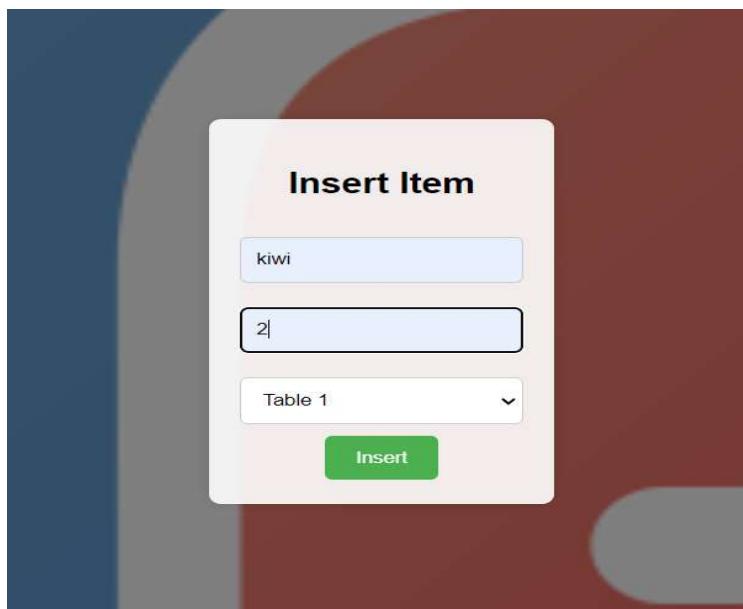
<input type="submit" value="Insert">

</form>

</div>

</body>

</html>



insertServlet.java

```
package mp;

import java.io.IOException;
import java.sql.Connection;
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;

@WebServlet("/InsertItemServlet")
public class InsertServlet extends HttpServlet {

    private static final long serialVersionUID = 1L;

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String itemName = request.getParameter("itemName");
        String itemTag = request.getParameter("itemTag");
        String tableName = request.getParameter("tableName");
        Connection conn = null;
        PreparedStatement stmt = null;
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/item_locator", "root",
                    "shang08");
            String sql = "INSERT INTO " + tableName + " (item_name, item_tag) VALUES (?, ?)";
            stmt = conn.prepareStatement(sql);
            stmt.setString(1, itemName);
            stmt.setString(2, itemTag);
            stmt.executeUpdate();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

```

        response.sendRedirect("InsertSuccess.jsp");

    } catch (ClassNotFoundException | SQLException e) {
        e.printStackTrace();
        response.sendRedirect("insert.jsp?error=1");
    } finally {
        try {
            if (stmt != null) {
                stmt.close();
            }
            if (conn != null) {
                conn.close();
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}

```

insertSuccess.jsp

```

<!DOCTYPE html>
<html>
<head>
    <title>Insert Success</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcQI2MApcA5MpWzofmRot_05LDqDSU0m1BIT-MiyJ0F-
Bg&s') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;

```

```

        left: 0;
        right: 0;
        bottom: 0;
        background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
        z-index: 1;
    }

    .success-container {
        position: relative;
        z-index: 2;
        background-color: rgba(255, 255, 255, 0.9); /* White background with
slight opacity */
        padding: 20px;
        border-radius: 8px;
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        text-align: center;
    }

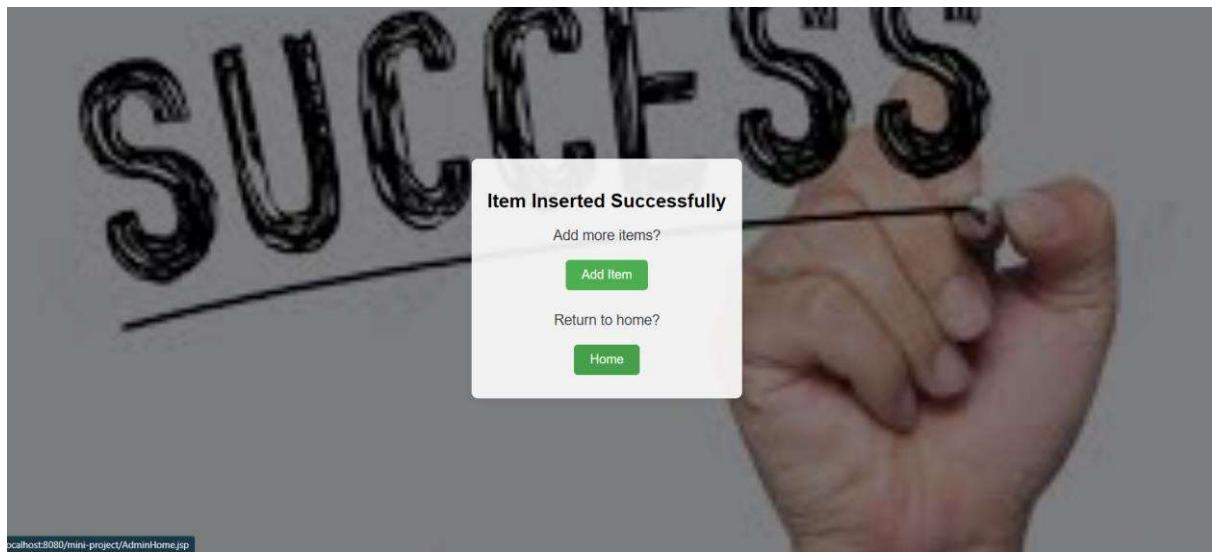
    h2 {
        margin-bottom: 20px;
    }

    p {
        font-size: 18px;
        color: #333333;
        margin-bottom: 20px;
    }

    .redirect-button {
        background-color: #4caf50;
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
        text-decoration: none;
        margin-bottom: 10px;
        display: inline-block;
    }

    .redirect-button:hover {
        background-color: #45a049;
    }
</style>
</head>
<body>
    <div class="overlay"></div>
    <div class="success-container">
        <h2>Item Inserted Successfully</h2>
        <p>Add more items?</p>
        <a href="insert.jsp" class="redirect-button">Add Item</a>
        <p>Return to home?</p>
        <a href="AdminHome.jsp" class="redirect-button">Home</a>
    </div>
</body>
</html>

```



Delete.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Delete Item</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://i0.wp.com/www.alphr.com/wp-content/uploads/2022/09/featured-12.png?fit=650%2C382&ssl=1') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        .container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with slight opacity */
            padding: 20px;
            border-radius: 8px;
        }
    </style>
</head>
<body>
    <div class="overlay"></div>
    <div class="container">
        <p>Are you sure you want to delete this item?</p>
        <form>
            <input type="button" value="Delete" />
            <input type="button" value="Cancel" />
        </form>
    </div>
</body>
</html>
```

```

        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        text-align: center;
        width: 400px;
    }

    h2 {
        margin-bottom: 20px;
        color: #333333; /* Dark gray */
    }

    .form-group {
        margin-bottom: 20px;
        text-align: left;
    }

    label {
        display: block;
        margin-bottom: 5px;
        color: #444444; /* Slightly darker gray */
    }

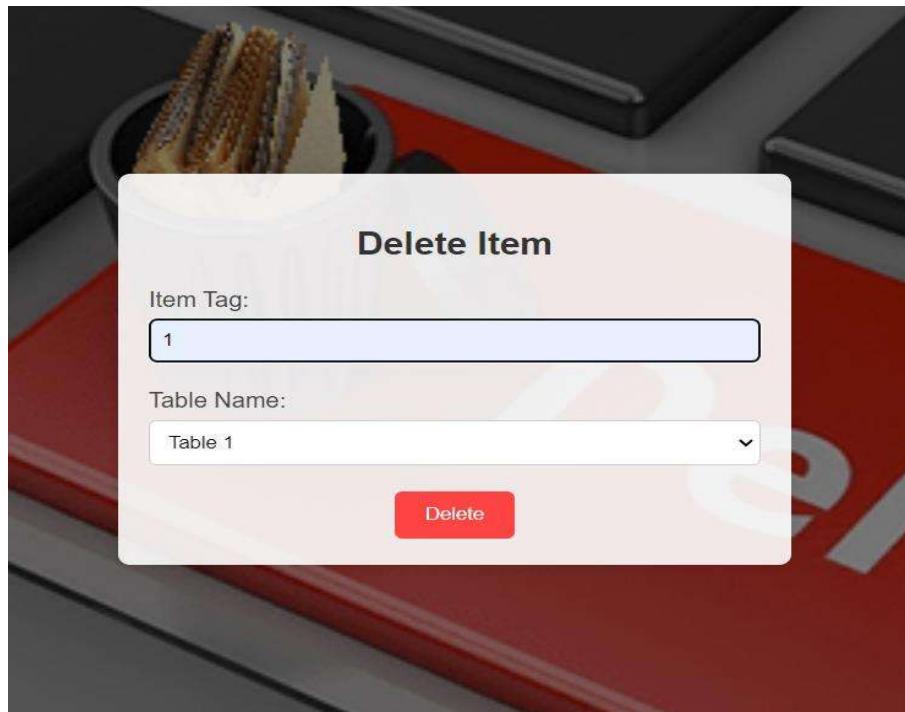
    input[type="text"],
    select {
        width: 100%;
        padding: 8px;
        border: 1px solid #cccccc; /* Light gray */
        border-radius: 5px;
        box-sizing: border-box;
    }

    .delete-button {
        background-color: #ff4444; /* Red */
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        text-decoration: none;
        transition: background-color 0.3s;
    }

    .delete-button:hover {
        background-color: #cc0000; /* Darker red on hover */
    }
</style>
</head>
<body>
    <div class="overlay"></div>
    <div class="container">
        <h2>Delete Item</h2>
        <form action="DeleteItemServlet" method="post">
            <div class="form-group">
                <label for="itemTag">Item Tag:</label>
                <input type="text" id="itemTag" name="itemTag" required>
            </div>
            <div class="form-group">
                <label for="tableName">Table Name:</label>
                <select id="tableName" name="tableName" required>
                    <option value="table1">Table 1</option>

```

```
<option value="table2">Table 2</option>
<option value="table3">Table 3</option>
<option value="table4">Table 4</option>
<option value="table5">Table 5</option>
    </select>
</div>
<button type="submit" class="delete-button">Delete</button>
</form>
</div>
</body>
</html>
```



DeleteItemServlet.java

```
package mp;

import java.io.IOException;
import java.sql.Connection;
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;
```

```
@WebServlet("/DeleteItemServlet")
public class DeleteItemServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String itemTag = request.getParameter("itemTag");
        String tableName = request.getParameter("tableName");
        Connection conn = null;
        PreparedStatement stmt = null;
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/item_locator", "root",
"shang08");
            String sql = "DELETE FROM " + tableName + " WHERE item_tag = ?";
            stmt = conn.prepareStatement(sql);
            stmt.setString(1, itemTag);
            int rowsAffected = stmt.executeUpdate();
            if (rowsAffected > 0) {
                response.sendRedirect("DeleteSuccess.jsp");
            } else {
                request.setAttribute("errorMessage", "Item not found.");
                request.getRequestDispatcher("delete.jsp").forward(request, response);
            }
        } catch (ClassNotFoundException | SQLException e) {
            e.printStackTrace();
            response.sendRedirect("delete.jsp?error=1");
        } finally {
            try {
                if (stmt != null) {
                    stmt.close();
                }
            }
        }
    }
}
```

```

        if (conn != null) {
            conn.close();
        }
    } catch (SQLException e) {
        e.printStackTrace();
    }
}
}
}

```

DeleteSuccess.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Delete Success</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background:
url('https://ucprocure.zendesk.com/hc/article_attachments/14325601649428') no-
repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        .container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with
slight opacity */
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }
    </style>
</head>
<body>
    <div class="container">
        <h1>Delete Success!</h1>
        <p>The item has been successfully deleted.</p>
        <a href="#">Go Back</a>
    </div>
</body>
</html>

```

```

        text-align: center;
        width: 400px;
    }

    h2 {
        margin-bottom: 20px;
        color: #333333; /* Dark gray */
    }

    p {
        margin: 10px 0;
        color: #444444; /* Slightly darker gray */
    }

    .action-links {
        margin-top: 20px;
    }

    .action-links a {
        margin-right: 10px;
        padding: 8px 20px;
        background-color: #007bff; /* Blue */
        color: #ffffff; /* White */
        text-decoration: none;
        border-radius: 5px;
        transition: background-color 0.3s;
    }

    .action-links a:hover {
        background-color: #0056b3; /* Darker blue on hover */
    }

```

</style>

</head>

<body>

<div class="overlay"></div>

<div class="container">

<h2>Deleted Successfully</h2>

<p>Delete more items?</p>

<p>Return to home?</p>

<div class="action-links">

Remove Item

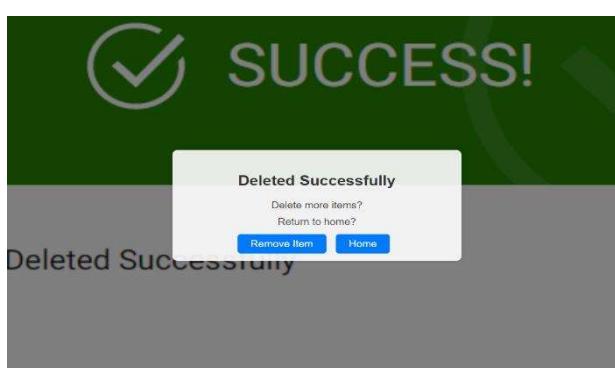
Home

</div>

</div>

</body>

</html>



Update.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Update Item</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            position: relative;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
        }

        body::before {
            content: "";
            position: fixed;
            top: 0;
            left: 0;
            width: 100%;
            height: 100%;
            background:
url('https://st.depositphotos.com/1014014/4560/i/450/depositphotos_45606725-stock-photo-updates-loading-concept-illustration-design.jpg') no-repeat center center;
            background-size: cover;
            opacity: 0.5; /* Adjust opacity as needed */
            z-index: -1;
        }

        .container {
            background-color: rgba(255, 255, 255, 0.9); /* Background color with
opacity */
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            text-align: center;
            width: 400px;
            z-index: 1;
        }

        h2 {
            margin-bottom: 20px;
            color: #333333; /* Dark gray */
        }

        input[type="text"], select {
            width: calc(100% - 22px);
            padding: 10px;
            margin-bottom: 20px;
            border-radius: 5px;
            border: 1px solid #ccc; /* Light gray */
        }
    </style>
</head>
<body>
    <div class="container">
        <h2>Update Item</h2>
        <form>
            <input type="text" placeholder="Item Name" value="Item A" />
            <input type="text" placeholder="Description" value="A simple item" />
            <input type="text" placeholder="Price" value="10.99" />
            <input type="text" placeholder="Stock Level" value="100" />
            <input type="text" placeholder="Category" value="Electronics" />
            <input type="text" placeholder="Supplier" value="Supplier X" />
            <input type="text" placeholder="Manufacture Date" value="2023-10-01" />
            <input type="text" placeholder="Expiry Date" value="2024-09-30" />
            <input type="text" placeholder="Image URL" value="https://example.com/item-image.jpg" />
            <input type="text" placeholder="Notes" value="None" />
            <input type="button" value="Update Item" />
        </form>
    </div>
</body>
</html>
```

```

        box-sizing: border-box;
    }

    input[type="submit"] {
        background-color: #007bff; /* Blue */
        color: #ffffff; /* White */
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
    }

    input[type="submit"]:hover {
        background-color: #0056b3; /* Darker blue on hover */
    }

```

</style>

</head>

<body>

<div class="container">

<h2>Update Item</h2>

<form action="applyupdate.jsp" method="post">

<input type="text" name="itemTag" placeholder="Item Tag" required>

<select name="tableName">

<option value="table1">Table 1</option>

<option value="table2">Table 2</option>

<option value="table3">Table 3</option>

<option value="table4">Table 4</option>

<option value="table5">Table 5</option>

</select>

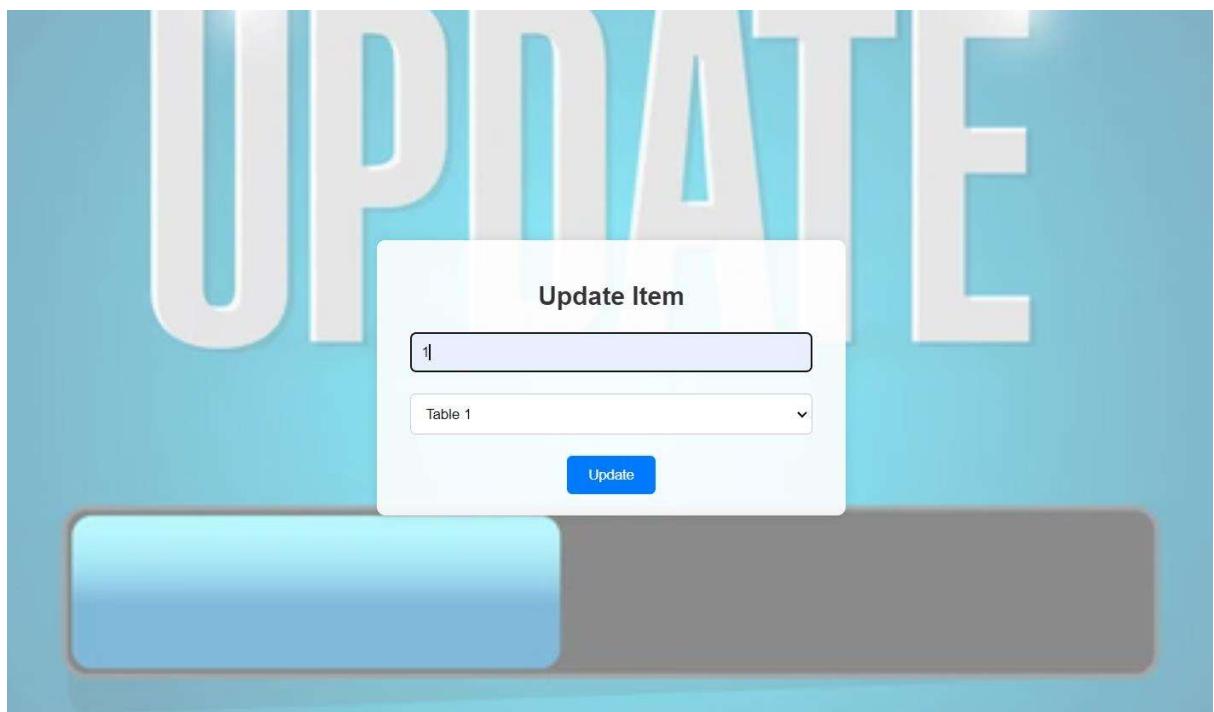
<input type="submit" value="Update">

</form>

</div>

</body>

</html>



Applyupdate.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Apply Update</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: url('https://www.dacast.com/wp-
content/uploads/2023/01/mike-van-den-bos-jf1EomjLQi0-unsplash-scaled.jpg') no-
repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        .container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with
slight opacity */
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            text-align: center;
            width: 400px;
        }

        h2 {
            margin-bottom: 20px;
            color: #333333; /* Dark gray */
        }

        input[type="text"] {
            width: calc(100% - 22px);
            padding: 10px;
            margin-bottom: 20px;
            border-radius: 5px;
            border: 1px solid #ccc; /* Light gray */
            box-sizing: border-box;
        }
    </style>
</head>
<body>
    <div class="container">
        <h2>Update Application</h2>
        <form>
            <input type="text" placeholder="Enter your name">
            <input type="text" placeholder="Enter your email">
            <input type="text" placeholder="Enter your phone number">
            <input type="submit" value="Submit" style="background-color: #007bff; color: white; border: none; padding: 10px; font-weight: bold; border-radius: 5px; width: 100px; margin-top: 10px;">
        </form>
    </div>
</body>
</html>
```

```

        input[type="submit"] {
            background-color: #007bff; /* Blue */
            color: #ffffff; /* White */
            padding: 10px 20px;
            border: none;
            border-radius: 5px;
            cursor: pointer;
            transition: background-color 0.3s;
        }

        input[type="submit"]:hover {
            background-color: #0056b3; /* Darker blue on hover */
        }
    
```

</style>

</head>

<body>

<div class="overlay"></div>

<div class="container">

<h2>Apply Update</h2>

<form action="UpdateServlet" method="post">

<input type="hidden" name="itemTag" value=<%=

request.getParameter("itemTag") %>">

<input type="hidden" name="tableName" value=<%=

request.getParameter("tableName") %>">

<input type="text" name="newItemName" placeholder="New Item Name"

required>

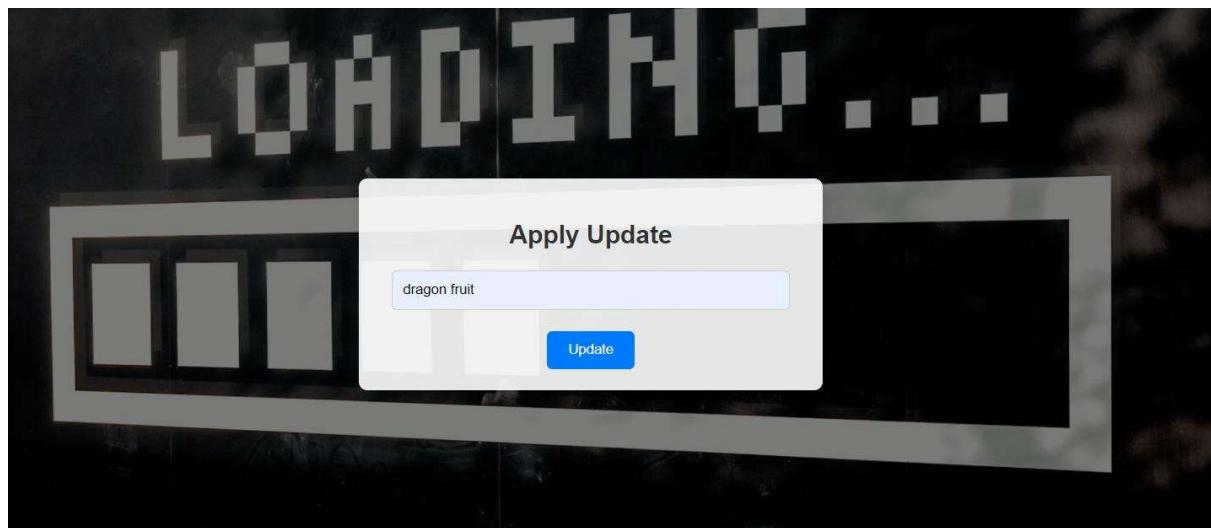
<input type="submit" value="Update">

</form>

</div>

</body>

</html>



UpdateServlet.java

```

package mp;

import java.io.IOException;

import java.sql.Connection;

```

```
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;
@WebServlet("/UpdateServlet")
public class UpdateServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        String newItemName = request.getParameter("newItemName");
        String itemTag = request.getParameter("itemTag");
        String tableName = request.getParameter("tableName");
        Connection conn = null;
        PreparedStatement stmt = null;
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/item_locator", "root",
"shang08");
            String sql = "UPDATE " + tableName + " SET item_name = ? WHERE item_tag = ?"; // Assuming
item_tag is the primary key
            stmt = conn.prepareStatement(sql);
            stmt.setString(1, newItemName);
            stmt.setString(2, itemTag);
            int rowsAffected = stmt.executeUpdate();
            if (rowsAffected > 0) {
                // Redirect to UpdateSuccess.jsp
                response.sendRedirect("UpdateSuccess.jsp");
            } else {
                response.sendRedirect("update.jsp?error=1");
            }
        } catch (SQLException e) {
            e.printStackTrace();
        } finally {
            if (stmt != null) {
                try {
                    stmt.close();
                } catch (SQLException e) {
                    e.printStackTrace();
                }
            }
            if (conn != null) {
                try {
                    conn.close();
                } catch (SQLException e) {
                    e.printStackTrace();
                }
            }
        }
    }
}
```

```

        }

    } catch (ClassNotFoundException | SQLException e) {
        e.printStackTrace();
        response.sendRedirect("update.jsp?error=1");
    } finally {
        try {
            if (stmt != null) {
                stmt.close();
            }
            if (conn != null) {
                conn.close();
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}

```

UpdateSuccess.jsp

```

<!DOCTYPE html>
<html>
<head>
    <title>Update Success</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            background:
url('https://miro.medium.com/v2/resize:fit:621/1*8Danc7fX2XzeZyliI-dZtQ.jpeg') no-repeat center center fixed;
            background-size: cover;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;

```

```

        width: 100%;
        height: 100%;
        background-color: rgba(240, 248, 255, 0.5); /* Light blue with opacity
    */
}

.container {
    z-index: 1;
    background-color: #ffffff;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    text-align: center;
    width: 400px;
}

h2 {
    margin-bottom: 20px;
    color: #333333; /* Dark gray */
}

p {
    margin-bottom: 20px;
    color: #007bff; /* Blue */
}

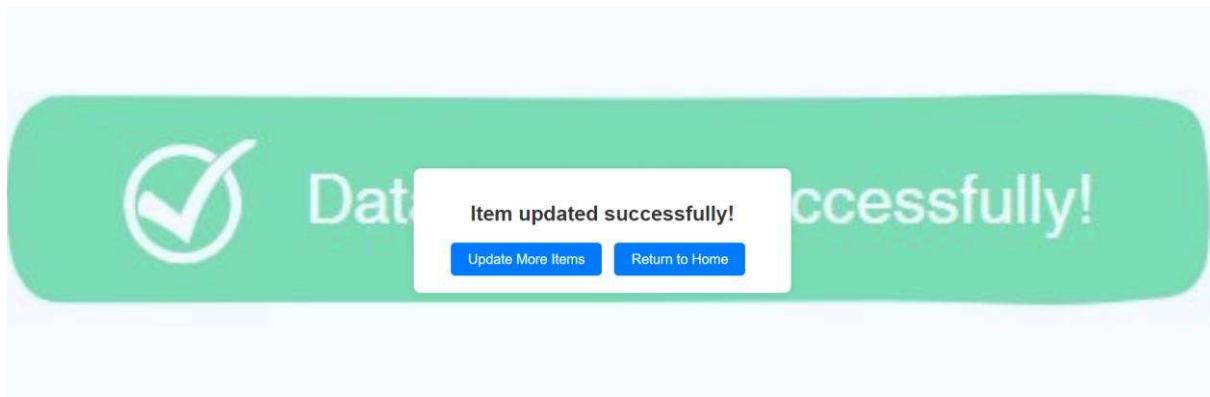
.action-links {
    margin-top: 20px;
}

.action-links a {
    display: inline-block;
    background-color: #007bff; /* Blue */
    color: #ffffff; /* White */
    padding: 10px 20px;
    border-radius: 5px;
    text-decoration: none;
    margin-right: 10px;
    transition: background-color 0.3s;
}

.action-links a:hover {
    background-color: #0056b3; /* Darker blue on hover */
}

</style>
</head>
<body>
    <div class="overlay"></div>
    <div class="container">
        <h2>Item updated successfully!</h2>
        <div class="action-links">
            <a href="update.jsp">Update More Items</a>
            <a href="AdminHome.jsp">Return to Home</a>
        </div>
    </div>
</body>
</html>

```



Display.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Display Tables</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background:
url('https://store.hp.com/app/assets/images/uploads/prod/what-is-an-amoled-
display-hero1587503076267939.jpg') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            position: relative;
        }

        .overlay {
            position: absolute;
            top: 0;
            left: 0;
            right: 0;
            bottom: 0;
            background: rgba(0, 0, 0, 0.5); /* Black background with opacity */
            z-index: 1;
        }

        .container {
            position: relative;
            z-index: 2;
            background-color: rgba(255, 255, 255, 0.9); /* White background with
slight opacity */
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            text-align: center;
            width: 400px;
        }
    </style>
</head>
<body>
```

```

h2 {
    margin-bottom: 20px;
    color: #333333; /* Dark gray */
}

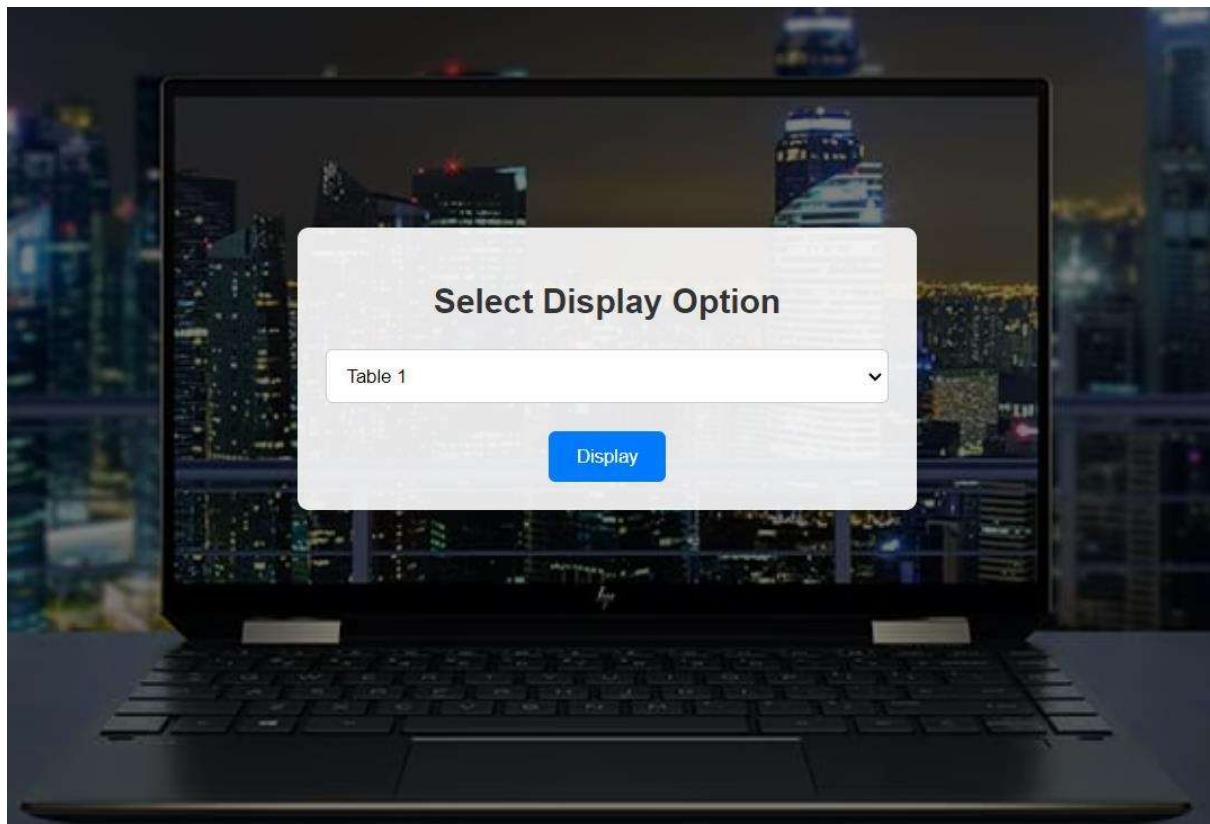
select {
    width: 100%;
    padding: 10px;
    margin-bottom: 20px;
    border-radius: 5px;
    border: 1px solid #ccc; /* Light gray */
    box-sizing: border-box;
}

input[type="submit"] {
    background-color: #007bff; /* Blue */
    color: #ffffff; /* White */
    padding: 10px 20px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    transition: background-color 0.3s;
}

input[type="submit"]:hover {
    background-color: #0056b3; /* Darker blue on hover */
}

</style>
</head>
<body>
    <div class="overlay"></div>
    <div class="container">
        <h2>Select Display Option</h2>
        <form action="DisplayServlet" method="post">
            <select name="tableChoice">
                <option value="table1">Table 1</option>
                <option value="table2">Table 2</option>
                <option value="table3">Table 3</option>
                <option value="table4">Table 4</option>
                <option value="table5">Table 5</option>
            </select>
            <input type="submit" value="Display">
        </form>
    </div>
</body>
</html>

```



DisplayServlet.java

```
package mp;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.ResultSetMetaData;
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;
@WebServlet("/DisplayServlet")
public class DisplayServlet extends HttpServlet {
```

```
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    String tableChoice = request.getParameter("tableChoice");
    Connection conn = null;
    Statement stmt = null;
    ResultSet rs = null;
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/item_locator", "root",
"shang08");
        stmt = conn.createStatement();
        String query = "SELECT * FROM " + tableChoice;
        rs = stmt.executeQuery(query);
        ResultSetMetaData metaData = rs.getMetaData();
        int columnCount = metaData.getColumnCount();
        StringBuilder output = new StringBuilder();
        output.append("<table border=\"1\">");
        output.append("<tr>");
        for (int i = 1; i <= columnCount; i++) {
            output.append("<th>").append(metaData.getColumnName(i)).append("</th>");
        }
        output.append("</tr>");
        while (rs.next()) {
            output.append("<tr>");
            for (int i = 1; i <= columnCount; i++) {
                output.append("<td>").append(rs.getString(i)).append("</td>");
            }
            output.append("</tr>");
        }
        output.append("</table>");
        request.setAttribute("output", output.toString());
        request.getRequestDispatcher("DisplaySuccess.jsp").forward(request, response);
    } catch (Exception e) {
        e.printStackTrace();
    }
}
```

```

} catch (ClassNotFoundException | SQLException e) {
    e.printStackTrace();
    response.sendRedirect("display.jsp?error=1");
} finally {
    try {
        if (rs != null) {
            rs.close();
        }
        if (stmt != null) {
            stmt.close();
        }
        if (conn != null) {
            conn.close();
        }
    } catch (SQLException e) {
        e.printStackTrace();
    }
}
}
}
}

```

DisplaySuccess.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Display Success</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: rgba(255, 255, 255, 0.5)
url('https://c8.alamy.com/comp/2EC5CA3/business-graphs-and-charts-seamless-
pattern-with-background-of-colorful-pie-chart-and-bar-graph-histogram-line-and-
spider-charts-financial-and-busi-2EC5CA3.jpg') no-repeat center center fixed;
            background-size: cover;
            margin: 0;
            padding: 0;
            height: 100vh;
        }
    </style>
</head>
<body>
<h1>Display Success</h1>
</body>
</html>

```

```
        display: flex;
        justify-content: center;
        align-items: center;
    }

.dialog-box {
    background-color: #ffffff;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    text-align: center;
    width: 80%;
}

table {
    width: 100%;
    border-collapse: collapse;
    margin-top: 20px;
}

th, td {
    padding: 10px;
    border: 1px solid #dddddd;
    text-align: left;
}

th {
    background-color: #f2f2f2; /* Light gray */
}

tr:nth-child(even) {
    background-color: #f9f9f9; /* Lighter gray */
}

.btn-container {
    margin-top: 20px;
}

.redirect-button {
    background-color: #007bff; /* Blue */
    color: #ffffff; /* White */
    padding: 10px 20px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    text-decoration: none;
    transition: background-color 0.3s;
    margin-right: 10px;
}

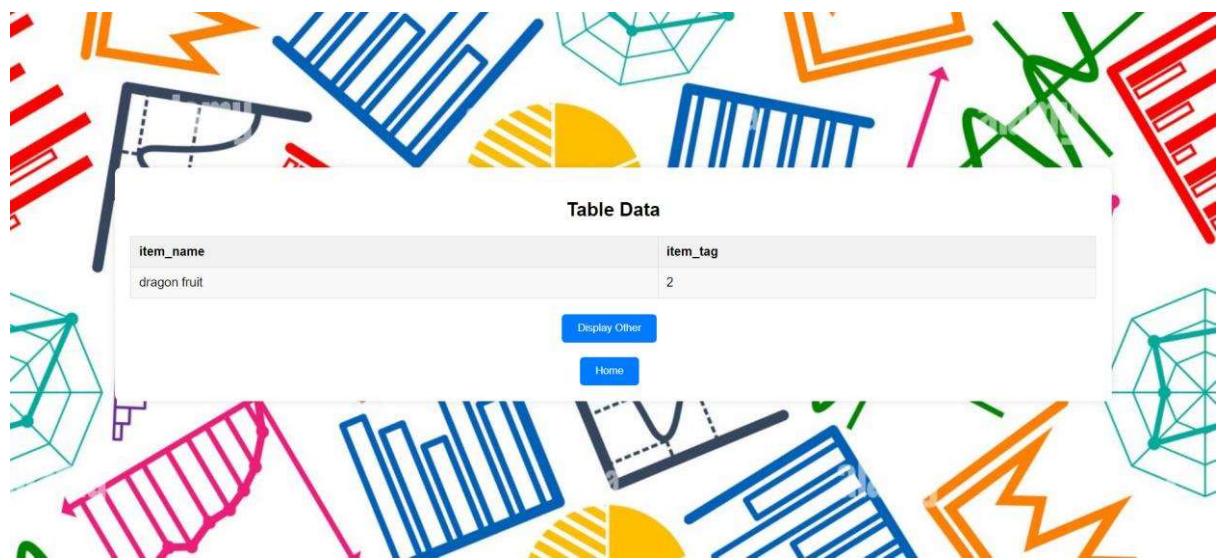
.redirect-button:hover {
    background-color: #0056b3; /* Darker blue on hover */
}

</style>
</head>
<body>
    <div class="dialog-box">
        <h2>Table Data</h2>
        <%= request.getAttribute("output") %>
    </div>
</body>
```

```

<div class="btn-container">
    <form action="display.jsp" method="get">
        <button type="submit" class="redirect-button">Display
Other</button>
    </form>
    <br>
    <form action="AdminHome.jsp" method="get">
        <button type="submit" class="redirect-button">Home</button>
    </form>
</div>
</div>
</body>
</html>

```



Showwallfeedbacks.jsp

```

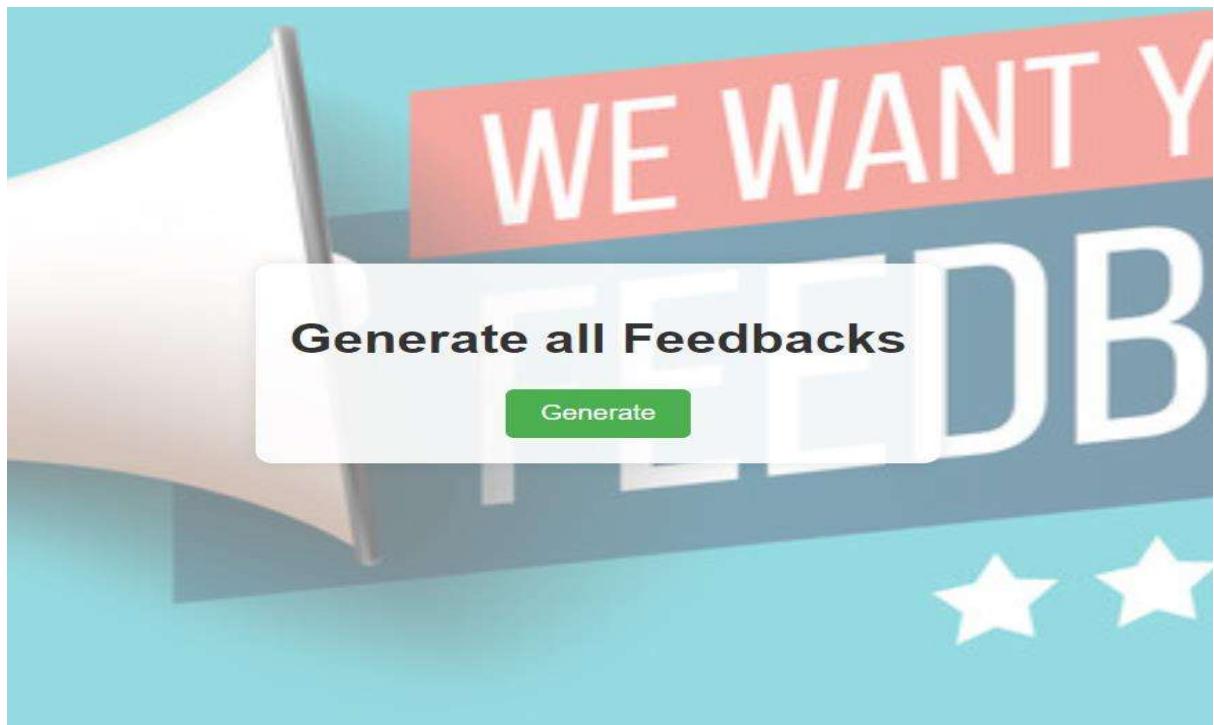
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Feedbacks</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 0;
            height: 100vh;
            display: flex;
            justify-content: center;
            align-items: center;
            position: relative;
            overflow: hidden;
        }
        .background {
            position: absolute;
            top: 0;
            left: 0;
            width: 100%;

```

```

        height: 100%;
        background:
url('https://t3.ftcdn.net/jpg/04/09/76/38/360_F_409763869_m3QVL40ELQaLmRU8AEicBLkd
uNLBAMpm.jpg') no-repeat center center;
        background-size: cover;
        opacity: 0.5; /* Adjust opacity as needed */
        z-index: -1;
    }
    .container {
        text-align: center;
        background-color: rgba(255, 255, 255, 0.9); /* Semi-transparent
background */
        padding: 20px;
        border-radius: 10px;
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }
    h1 {
        color: #333;
    }
    button {
        background-color: #4CAF50;
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        font-size: 16px;
        transition: background-color 0.3s, transform 0.3s;
    }
    button:hover {
        background-color: #45a049;
        transform: scale(1.05);
    }
    form {
        margin-top: 20px;
    }
</style>
</head>
<body>
    <div class="background"></div>
    <div class="container">
        <h1>Generate all Feedbacks</h1>
        <form action="ShowFeedbacksServlet" method="post">
            <button type="submit">Generate</button>
        </form>
    </div>
</body>
</html>

```



ShowFeedbacksServlet.java

```
package mp;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
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;
@WebServlet("/ShowFeedbacksServlet")
public class ShowFeedbacksServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    public ShowFeedbacksServlet() {
        super();
    }
```

```
}

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    response.getWriter().append("Served at: ").append(request.getContextPath());
}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
    PrintWriter out = response.getWriter();
    String jdbcURL = "jdbc:mysql://localhost:3306/item_locator";
    String dbUser = "root";
    String dbPassword = "shang08";
    Connection connection = null;
    Statement statement = null;
    ResultSet resultSet = null;
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        connection = DriverManager.getConnection(jdbcURL, dbUser, dbPassword);
        statement = connection.createStatement();
        String sql = "SELECT * FROM feedback";
        resultSet = statement.executeQuery(sql);
        out.println("<html><head><title>All Feedbacks</title></head><body>");
        out.println("<style>");
        out.println("body { font-family: Arial, sans-serif; margin: 0; padding: 0; height: 100vh; display: flex; justify-content: center; align-items: center; position: relative; overflow: hidden; }");
        out.println(".background { position: absolute; top: 0; left: 0; width: 100%; height: 100%; background: url('https://images.rawpixel.com/image_800/czNmcy1wcml2YXRL3Jhd3BpeGVsX2ltYWdIcy93ZWJzaXRlX2NvbnRlbnQvbHlvczY0LXJvYjgzMTktbWludHktMTEuanBn.jpg.jpg') no-repeat center center; background-size: cover; opacity: 0.5; z-index: -1; }");
        out.println(".container { max-width: 800px; margin: auto; background: rgba(255, 255, 255, 0.9); padding: 20px; border-radius: 10px; box-shadow: 0 0 10px rgba(0, 0, 0, 0.1); z-index: 1; }");
        out.println("h1 { color: #333; }");
        out.println("table { width: 100%; border-collapse: collapse; margin-top: 20px; }");
        out.println("th, td { padding: 12px; border: 1px solid #ddd; text-align: left; }");
    }
}
```

```

        out.println("th { background-color: #4CAF50; color: white; }");
        out.println("tr:nth-child(even) { background-color: #f2f2f2; }");
        out.println("</style>");
        out.println("</head><body>");
        out.println("<div class='background'></div>");
        out.println("<div class='container'>");
        out.println("<h1>All Feedbacks</h1>");
        out.println("<table>");
        out.println("<tr><th>Username</th><th>Complaints</th><th>Suggestions</th></tr>");
        while (resultSet.next()) {
            String username = resultSet.getString("username");
            String complaints = resultSet.getString("complaints");
            String suggestions = resultSet.getString("suggestions");
            out.println("<tr><td>" + username + "</td><td>" + complaints + "</td><td>" + suggestions
+ "</td></tr>");
        }
        out.println("</table>");
        out.println("</div>");
        out.println("</body></html>");
    } catch (Exception e) {
        e.printStackTrace(out);
    } finally {
        try {
            if (resultSet != null) resultSet.close();
            if (statement != null) statement.close();
            if (connection != null) connection.close();
        } catch (Exception e) {
            e.printStackTrace(out);
        }
    }
}

```



MySQL workspace:

```
mysql> use item_locator;
```

```
Database changed
```

```
mysql> show tables;
```

```
+-----+
```

```
| Tables_in_item_locator |
```

```
+-----+
```

```
| feedback |
```

```
| login |
```

```
| table1 |
```

```
| table2 |
```

```
| table3 |
```

```
| table4 |
```

```
| table5 |
```

```
+-----+
```

```
mysql> desc login;
```

```
+-----+-----+-----+-----+-----+
```

```
| Field | Type | Null | Key | Default | Extra |
```

```
+-----+-----+-----+-----+-----+
```

```
| username | varchar(20) | NO | PRI | NULL | |
```

```
| password | varchar(20) | NO | | NULL | | |
```

```
+-----+-----+-----+-----+-----+
```

```
mysql> select * from login;
```

```
+-----+-----+
```

```
| username | password |
```

```
+-----+-----+
```

```
| CHETAN | 12345 |
```

```
+-----+-----+
```

```
mysql> desc table1;
```

```
+-----+-----+-----+-----+-----+
```

```
| Field   | Type     | Null | Key | Default | Extra |
```

```
+-----+-----+-----+-----+-----+
```

```
| item_name | varchar(20) | NO  |    | NULL   |    |
```

```
| item_tag  | varchar(20) | NO  | PRI | NULL   |    |
```

```
+-----+-----+-----+-----+-----+
```

```
mysql> select * from table1;
```

```
+-----+-----+
```

```
| item_name | item_tag |
```

```
+-----+-----+
```

```
| dragon fruit | 1 |
```

```
| pineapple   | 2 |
```

```
+-----+-----+
```

```
mysql> desc table2;
```

```
+-----+-----+-----+-----+-----+
```

```
| Field   | Type     | Null | Key | Default | Extra |
```

```
+-----+-----+-----+-----+-----+
```

```
| item_name | varchar(20) | NO  |    | NULL   |    |
```

```
| item_tag  | varchar(20) | NO  | PRI | NULL   |    |
```

```
+-----+-----+-----+-----+-----+
```

```
mysql> select * from table2;
```

```
+-----+-----+
```

```
| item_name | item_tag |
```

```
+-----+-----+
```

```
| mango | 2    |
```

```
+-----+-----+
```

```
mysql> desc table3;
```

```
+-----+-----+-----+-----+-----+
```

```
| Field   | Type    | Null | Key | Default | Extra |
```

```
+-----+-----+-----+-----+-----+
```

```
| item_name | varchar(20) | NO  |    | NULL   |    |
```

```
| item_tag  | varchar(20) | NO  | PRI | NULL   |    |
```

```
+-----+-----+-----+-----+-----+
```

```
mysql> select * from table3;
```

```
+-----+-----+
```

```
| item_name | item_tag |
```

```
+-----+-----+
```

```
| banana  | 3    |
```

```
+-----+-----+
```

```
mysql> desc table4;
```

```
+-----+-----+-----+-----+-----+
```

```
| Field   | Type    | Null | Key | Default | Extra |
```

```
+-----+-----+-----+-----+-----+
```

```
| item_name | varchar(20) | NO  |    | NULL   |    |
```

```
| item_tag  | varchar(20) | NO  | PRI | NULL   |    |
```

```
+-----+-----+-----+-----+-----+
```

```
mysql> select * from table4;
```

```
+-----+-----+
```

```
| item_name | item_tag |
```

```
+-----+-----+
```

```
| kiwi    | 4    |
```

```
+-----+-----+
```

```
mysql> desc table5;
```

```
+-----+-----+-----+-----+-----+
```

```
| Field   | Type    | Null | Key | Default | Extra |
```

```

+-----+-----+-----+-----+
| item_name | varchar(20) | NO | NULL |
| item_tag | varchar(20) | NO | PRI | NULL |
+-----+-----+-----+-----+
mysql> select * from table5;
+-----+
| item_name | item_tag |
+-----+
| guava | 5 |
+-----+
mysql> desc feedback;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| username | varchar(20) | YES | | NULL |
| complaints | varchar(100) | YES | | NULL |
| suggestions | varchar(100) | YES | | NULL |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from feedback;
+-----+-----+-----+
| username | complaints | suggestions |
+-----+-----+-----+
| CHETAN | none | its good |
| CHETAN | basic ui | improve ui |
| sakti | no username is provided when item is searched | add username column in the table |
| ash | ik the admin password | change it and dont tell me |
| ankit | abe aise nahi karte hai isko | isko waisa kar mai bolta hu |
| harsh | site khali khali lag raha hai | ek kaam kar choco dede |
+-----+-----+-----+

```