Online Banking application

Database Name: register

Table Name: user

id	username	password
1	sai	sai
2	jyothi	jyothi

Table Name: bank

id	username	ano	balance
1	sai	123	2000
2	jyothi	456	2000

Account Login Page(login.jsp):

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
</head>
<body>
<body>
    <form name="loginform" method="post" action="auth.jsp">
        <br> <br>
        <table align="center">
            <tr>
                <td><h2>Login Authentication</h2></td>
            </tr>
        </table>
        <table width="300px" align="center"
            style="border: 1px solid #000000; background-color: #efefef;">
            <tr>
                <td colspan=2></td>
            </tr>
            <tr>
                <td colspan=2> </td>
            </tr>
```
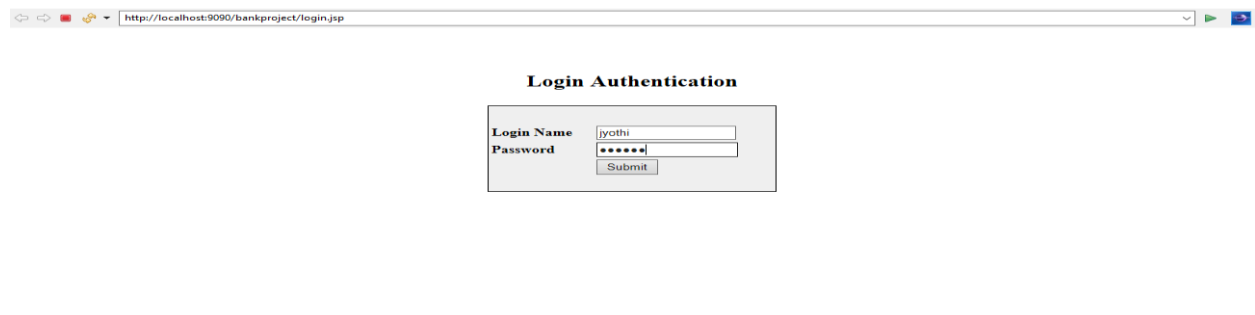
```html
            <tr>
                <td><b>Login Name</b></td>
                <td><input type="text" name="username" value=""></td>
            </tr>
            <tr>

                <td><b>Password</b></td>
                <td><input type="password" name="password" value=""></td>
            </tr>

            <tr>
                <td></td>
                <td><input type="submit" name="Submit" value="Submit"></td>
            </tr>
            <tr>

                <td colspan=2> </td>
            </tr>

    </table>
    </form>
</body>
</html>
```

Output:

Database Connection(auth.jsp):

```jsp
<%@ page language="Java" import="java.sql.*"%>
<%
        Connection conn = null;
String url = "jdbc:mysql://localhost:3306/";
String dbName = "register";
String driver = "com.mysql.jdbc.Driver";
String userName = "root";
String password = "root";
try {
        Class.forName(driver).newInstance();
        conn = DriverManager.getConnection(url + dbName, userName, password);
```

```jsp
        if (request.getParameter("username") != null && request.getParameter("username") != ""
        && request.getParameter("password") != null && request.getParameter("password") !=
"") {
                String username = request.getParameter("username");
                String userpass = request.getParameter("password");
                Statement st = conn.createStatement();
                ResultSet rs = st
                .executeQuery("select * from user where username='" + username + "' and
password='" + userpass + "'");
                int count = 0;
                if (rs.next()) {
%>
<a href="webpage1.jsp">Bank Transaction</a>
<%
        } else {
response.sendRedirect("login.jsp");
}

}
} catch (Exception e) {
}
%>
```
Output:

Bank Transaction

Fund Transfer(webpage1.jsp):

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
        pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">

</head>
<body>

        <form method="post" action="webpage2.jsp">
                <table>
                        <tr>
                                <td>Account No</td>
                                <td><input type="text" name="no"></td>
                        </tr>
                        <tr>
                                <td>Transfer Amount</td>
                                <td><input type="text" name="amount"></td>
                        </tr>
```

```html
                <tr>
                        <td>To Account No</td>
                        <td><input type="text" name="to"></td>
                </tr>
                <tr>
                        <td><input type="submit" value="Fund Transfer"></td>
                </tr>
            </table>
        </form>

</body>
</html>
```

Output:

Webpage2.jsp:

```jsp
<%@page import="java.sql.*"%>
<%
        int acc1 = Integer.parseInt(request.getParameter("no"));
int bal = Integer.parseInt(request.getParameter("amount"));
int acc2 = Integer.parseInt(request.getParameter("to"));

try {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/register",
"root", "root");
        Statement st = con.createStatement();

        ResultSet rs = st.executeQuery("select balance from bank where ano='" + acc1 + "'");

        int balance1 = 0;
        while (rs.next()) {
                balance1 = rs.getInt("balance");
        }
        ResultSet rs1 = st.executeQuery("select balance from bank where ano='" + acc2 + "'");

        int balance2 = 0;
```

```
        while (rs1.next()) {
                balance2 = rs1.getInt("balance");
        }

        int bal1 = balance1 - bal;
        int bal2 = balance2 + bal;

        st.addBatch("update bank set balance=" + bal1 + " where ano='" + acc1 + "'");
        st.addBatch("update bank set balance=" + bal2 + " where ano='" + acc2 + "'");
        st.executeBatch();
        out.println("Transaction has been successfully done.");
        } catch (Exception e) {
}
%>
```

Output:

Update bank set balance= 3000 where ano=123

Update bank set balance= 1000 where ano=456

Transaction has been successfully done.

After updating the balances of the Accounts in the Database:

id	username	ano	balance
1	sai	123	3000
2	jyothi	456	1000