

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Subject: Advanced Java	Aim: JSP Session Management	
Experiment :- 12	Date:- 12-04-2025	Enrollment No:- 92200133003

Objective : Create employee_master table and check if user is authenticated or not by login module and set appropriate session. Every time whenever user logged in the last Access Time should be shown to user. give logout link and destroy the session attributes and redirect the user to again login page. (JDBC-JSP)

DB.jsp

```
<%@ page import="java.sql.*" %>
<%
    String url = "jdbc:mysql://localhost:3306/aj_practical";
    String user = "root";
    String pass = "";
    Connection con = null;
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con = DriverManager.getConnection(url, user, pass);
        application.setAttribute("dbConnection", con);
    } catch (Exception e) {
        out.println("Database connection error: " + e);
    }
%>
```

Authenticate.jsp

```
<%@ page import="java.sql.* , java.text.*" %>
<jsp:include page="db.jsp" />
<%
    String uname = request.getParameter("username");
    String pwd = request.getParameter("password");
    Connection con = (Connection) application.getAttribute("dbConnection");

    PreparedStatement ps = con.prepareStatement("SELECT * FROM employee_master WHERE username=? AND password=?");
    ps.setString(1, uname);
    ps.setString(2, pwd);
    ResultSet rs = ps.executeQuery();

    if (rs.next()) {
        String lastAccess = rs.getString("last_access_time");

        // Store in session
        session.setAttribute("username", uname);
        session.setAttribute("lastAccessTime", lastAccess);

        // Update last access time
        PreparedStatement updateStmt = con.prepareStatement("UPDATE employee_master SET last_access_time=NOW()
        WHERE username=?");
        updateStmt.setString(1, uname);
        updateStmt.executeUpdate();

        response.sendRedirect("welcome.jsp");
    } else {
        out.println("<h3>Invalid Username or Password</h3>");
        out.println("<a href='login.jsp'>Try Again</a>");
    }
%>
```

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LOGIN.jsp

```
<%@ page session="false" %>
<html>
<head><title>Login</title></head>
<body>
<h2>Login</h2>
<form method="post" action="authenticate.jsp">
    Username: <input type="text" name="username" required><br><br>
    Password: <input type="password" name="password" required><br><br>
    <input type="submit" value="Login">
</form>
</body>
</html>
```

Welcome.jsp

```
<%@ page import="java.util.*" %>
<%
    String uname = (String) session.getAttribute("username");
    if (uname == null) {
        response.sendRedirect("login.jsp");
    }
%>
<html>
<head><title>Welcome</title></head>
<body>
<h2>Welcome, <%= uname %></h2>

<%
    String last = (String) session.getAttribute("lastAccessTime");
    if (last != null) {
%>
        <p>Last Access Time: <%= last %></p>
<% } else { %>
        <p>This is your first login.</p>
<% } %>

<a href="logout.jsp">Logout</a>
</body>
</html>
```

OUTPUT:

Login

Username:

Password:

Welcome, prashant

Last Access Time: 2025-04-15 15:08:29

[Logout](#)

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