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Batch	MS FSD DEC 2021 Cohort 1
Project Name	Learners Academy
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Source Code
Login.java
<pre> package myPackage; 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; import javax.servlet.http.HttpSession; @WebServlet("/Login") public class Login extends HttpServlet { protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException { String username = request.getParameter("username"); String password = request.getParameter("password"); if(username.equals("username") && password.equals("password")) { HttpSession session = request.getSession(); session.setAttribute("username", username); response.sendRedirect("Admin.jsp"); } else { response.sendRedirect("Login.jsp"); } } } </pre>

Login.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Welcome to Learner's Academy</title>
</head>
<body>
<form action="Login" align="center" method="post">
<h1>Welcome to Learner's Academy</h1>

<br></br>
Enter username : <input type="text" name="username"> <br>
               <br> Enter password : <input type="password" name="password"> <br>
               <br> <input type="submit" value="Sign In">
               </form>
</body>
</html>
```

Admin.jsp

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

    <%
        response.setHeader("Cache-Control","no-cache, no-store, must-
revalidate");    //It will not store the cache. It prevents back button
issue.

        if(session.getAttribute("username")==null)
        {
            response.sendRedirect("Login.jsp");
        }
    %>

    <h1>Administrative Portal</h1>
    <table align="center">
    <th>
    <a href="Classes.jsp">Classes</a><br>
    <a href="Students.jsp">Students</a><br>
    <a href="Subjects.jsp">Subjects</a><br>
    <a href="Faculty.jsp">Faculty</a><br>
    <a href="Schedule.jsp">Schedule</a><br>
    </th>
    </table>
    <br></br>

    <form action="Logout" method="post">
    <input type="submit" value="Logout">
    </form>
```

```

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

    <%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
    <%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Classroom Details</title>
</head>
<body align="Center">
<%
    response.setHeader("Cache-Control","no-cache, no-store, must-
revalidate");    //It will not store the cache. It prevents back button
issue.

    if(session.getAttribute("username")==null)
    {
        response.sendRedirect("Login.jsp");
    }
    %>

    <a href="Admin.jsp">Administrative</a>
    <a href="Students.jsp">Students</a>
    <a href="Subjects.jsp">Subjects</a>
    <a href="Faculty.jsp">Faculty</a>
    <a href="Schedule.jsp">Schedule</a><br>
    <h3>Class Rooms in Learner's Academy</h3>
    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/SaiDB" user="root" password="Sai@3105"
/>

    <sql:query var="rs" dataSource="${db}"> select * from ClassRooms
</sql:query>

    <table align="center" border = "1.5" width = "auto">

        <th>Room No</th>
        <th>Room Name</th>

        <c:forEach items="${rs.rows}" var="ClassRooms">

            <tr>
            <td><c:out value="${ClassRooms.Room_No}"></c:out></td>
            <td><c:out value="${ClassRooms.ClassRoomName}"></c:out></td>
            </tr>

        </c:forEach>
    </table>
    <br></br>
    <form action="Logout" method="post">
    <input type="submit" value="Logout">
    </form>
</body>
</html>

```

Students.jsp

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

<%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Students Details</title>
</head>
<body align="Center">
<%
    response.setHeader("Cache-Control","no-cache, no-store, must-
revalidate");    //It will not store the cache. It prevents back button
issue.

    if(session.getAttribute("username")==null)
    {
        response.sendRedirect("Login.jsp");
    }
    %>

    <a href="Admin.jsp">Administrative</a>
    <a href="Classes.jsp">Class Rooms</a>
    <a href="Subjects.jsp">Subjects</a>
    <a href="Faculty.jsp">Faculty</a>
    <a href="Schedule.jsp">Schedule</a><br>
    <h3>Students List</h3>
    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/SaiDB" user="root" password="Sai@3105"
/>

    <sql:query var="rs" dataSource="${db}"> select * from Students
</sql:query>

    <table align="center" border = "1.5" width = "auto">

        <th>Roll No</th>
        <th>First Name</th>
        <th>Last Name</th>
        <th>Gender</th>
        <th>Age</th>
        <th>Course</th>
    <c:forEach items="${rs.rows}" var="Students">

        <tr>
            <td><c:out value="${Students.Roll_No}"></c:out></td>
            <td><c:out value="${Students.First_Name}"></c:out></td>
            <td><c:out value="${Students.Last_Name}"></c:out> </td>
            <td><c:out value="${Students.Gender}"></c:out></td>
            <td><c:out value="${Students.Age}"></c:out></td>
            <td><c:out value="${Students.Course}"></c:out></td>
        </tr>

    </c:forEach>
</table>
<br></br>
    <form action="Logout" method="post">
```

```

        <input type="submit" value="Logout">
    </form>
</body>
</html>

```

Faculty.jsp

```

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

    <%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
    <%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Faculty Details</title>
</head>
<body align="center">

<%
    response.setHeader("Cache-Control","no-cache, no-store, must-
revalidate");    //It will not store the cache. It prevents back button
issue.

    if(session.getAttribute("username")==null)
    {
        response.sendRedirect("Login.jsp");
    }
    %>

    <a href="Admin.jsp">Administrative</a>
    <a href="Classes.jsp">Class Rooms</a>
    <a href="Students.jsp">Students</a>
    <a href="Subjects.jsp">Subjects</a>
    <a href="Schedule.jsp">Schedule</a><br>
    <h3>Faculty Details</h3>
    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/SaiDB" user="root" password="Sai@3105"
/>

    <sql:query var="rs" dataSource="${db}"> select * from Faculty
</sql:query>

    <table align="center" border = "1.5" width = "auto">

        <th>Regd_Id</th>
        <th>First Name</th>
        <th>Last Name</th>
        <th>Age</th>
        <th>Gender</th>
        <th>Subject</th>
        <th>Salary</th>
        <c:forEach items="${rs.rows}" var="Faculty">

            <tr>
                <td><c:out value="${Faculty.Regd_Id}"></c:out></td>
                <td><c:out value="${Faculty.First_Name}"></c:out></td>
                <td><c:out value="${Faculty.Last_Name}"></c:out> </td>
                <td><c:out value="${Faculty.Age}"></c:out></td>
                <td><c:out value="${Faculty.Gender}"></c:out></td>
                <td><c:out value="${Faculty.Subject}"></c:out></td>

```

```
 <c:out value="\${Faculty.Salary}"></c:out></td>  </tr>  </c:forEach> </table> <br></br> <form action="Logout" method="post"> <input type="submit" value="Logout"> </form>  </body> </html> |
```

Subjects.jsp

```

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

<%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Subject Details</title>
</head>
<body align="center">
<%
    response.setHeader("Cache-Control","no-cache, no-store, must-
revalidate");    //It will not store the cache. It prevents back button
issue.

    if(session.getAttribute("username")==null)
    {
        response.sendRedirect("Login.jsp");
    }
%>

<a href="Admin.jsp">Administrative</a>
<a href="Classes.jsp">Classes</a>
<a href="Students.jsp">Students</a>
<a href="Faculty.jsp">Faculty</a>
<a href="Schedule.jsp">Schedule</a><br>
<h3>Subject Details</h3>
<sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/SaiDB" user="root" password="Sai@3105"
/>

<sql:query var="rs" dataSource="\${db}"> select * from Subjects
</sql:query>

<table align="center" border = "1.5" width = "auto">

    <th>Subject Code</th>
    <th>Subject Name</th>

    <c:forEach items="\${rs.rows}" var="Subjects">

<tr>

```

```

        <td><c:out value="\${Subjects.Subject_Code}"></c:out></td>
        <td><c:out value="\${Subjects.Subject_Name}"></c:out></td>

    </tr>

</c:forEach>
</table>
    <br></br>
    <form action="Logout" method="post">
    <input type="submit" value="Logout">
    </form>
</body>
</html>

```

Schedule.jsp

```

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

    <%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
    <%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Schedule</title>
</head>
<body align="center">
<%
    response.setHeader("Cache-Control","no-cache, no-store, must-
revalidate");    //It will not store the cache. It prevents back button
issue.

    if(session.getAttribute("username")==null)
    {
        response.sendRedirect("Login.jsp");
    }
%>

    <a href="Admin.jsp">Administrative</a>
    <a href="Classes.jsp">Classes</a>
    <a href="Students.jsp">Students</a>
    <a href="Faculty.jsp">Faculty</a>
    <a href="Subjects.jsp">Students</a><br>
    <h3>Subject Details</h3>
    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/SaiDB" user="root" password="Sai@3105"
/>

    <sql:query var="rs" dataSource="\${db}"> select * from Schedule
</sql:query>

    <table align="center" border = "1.5" width = "auto">

        <th>Room No</th>
        <th>Room Name</th>
        <th>Faculty</th>
        <th>Subject</th>
        <th>Student</th>
        <th>Time</th>

```

```

<c:forEach items="${rs.rows}" var="Schedule">

    <tr>
        <td><c:out value="${Schedule.Room_No}"></c:out></td>
        <td><c:out value="${Schedule.Room_Name}"></c:out></td>
        <td><c:out value="${Schedule.Faculty}"></c:out></td>
        <td><c:out value="${Schedule.Subject}"></c:out></td>
        <td><c:out value="${Schedule.Student}"></c:out></td>
        <td><c:out value="${Schedule.Time}"></c:out></td>

    </tr>

</c:forEach>
</table>
<br></br>
<form action="Logout" method="post">
<input type="submit" value="Logout">
</form>
</body>
</html>

```

Logout.Java

```

package myPackage;

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;
import javax.servlet.http.HttpSession;

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

    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException, IOException {
        HttpSession session = request.getSession();
        session.removeAttribute("username");
        session.invalidate();
        response.sendRedirect("Login.jsp");
    }
}

```


Screen Shots

Login Page

Welcome to Learner's Academy

Enter username :

Enter password :

Sign In

Logging In

Welcome to Learner's Academy

Enter username :

Enter password :

Sign In

Admin Page

Administrative Portal

[Classes](#)
[Students](#)
[Subjects](#)
[Faculty](#)
[Schedule](#)

Logout

Class Rooms Master List

[Administrative](#) [Students](#) [Subjects](#) [Faculty](#) [Schedule](#)

Class Rooms in Learner's Academy

Room No	Room Name
1	Mother Teresa Hall
2	CV Raman Hall
3	Saraswathi Hall
4	Abdul Kalam Hall
5	Kalpana Chawla Hall
6	Vivekananda Hall

Logout

Students Master List

[Administrative](#) [Class Rooms](#) [Subjects](#) [Faculty](#) [Schedule](#)

Students List

Roll No	First Name	Last Name	Gender	Age	Course
1001	Nagaraju	Ch	M	28	ITP
1002	Manoj	Puli	M	25	SSC
1003	Vinay Kumar	Metta	M	24	Banking
1004	Ganesh	Veera	M	27	Banking
1005	Laya	Megha	F	23	SSC
1006	Pavani	Nagi	F	25	ITP
1007	Arjun	Nag	M	25	Banking
1008	Pallavi	Sai	F	24	SSC
1009	Nitya	Menon	F	32	ITP
1010	Karthik	Bhim	M	21	Banking
1011	Rashmika	Mandana	F	29	Banking
1012	Pooja	Hegde	F	28	SSC

Logout

Subjects Master List

[Administrative](#) [Classes](#) [Students](#) [Faculty](#) [Schedule](#)

Subject Details

Subject Code	Subject Name
11	Quant
12	Algebra
13	GK
14	Core
15	Reasoning
16	English

Logout

Faculty Master File

[Administrative](#) [Class Rooms](#) [Students](#) [Subjects](#) [Schedule](#)

Faculty Details

Regd_Id	First Name	Last Name	Age	Gender	Subject	Salary
2001	Dinesh	Patro	29	M	Quant	70000.0
2002	Raju	Kumar	28	M	Algebra	65000.0
2003	Harish	Kumar	27	M	GK	60000.0
2004	Pandu	Varma	35	M	Core	45000.0
2005	Kumar	Das	38	M	Reasoning	50000.0
2006	Vinitha	Pamnani	26	F	English	75000.0

Logout

Schedule

[Administrative](#) [Classes](#) [Students](#) [Faculty](#) [Students](#)

Subject Details

Room No	Room Name	Faculty	Subject	Student	Time
1	Mother Teresa Hall	Dinesh Patro	Quant	Nagaraju Ch	09:30
1	Mother Teresa Hall	Dinesh Patro	Quant	Manoj Puli	09:30
2	CV Raman Hall	Raju Kumar	Algebra	Vinay Kumar Metta	10:00
2	CV Raman Hall	Raju Kumar	Algebra	Ganesh Veera	10:00
3	Saraswathi Hall	Harish Kumar	GK	Laya Megha	10:30
3	Saraswathi Hall	Harish Kumar	GK	Pavani nagi	10:30

Logout

Flow Diagram

