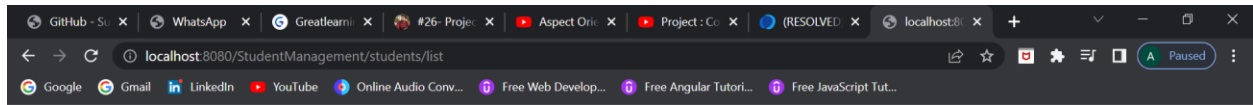


LAB-5
STUDENT MANAGEMENT
USING
SPRING MVC, ORM









SNAPSHOTS
FOR THE CRUD OPERATION
USING DYNAMIC WEB PROJECT

List All Student's Records

<http://localhost:8080/StudentManagement/students/list>



STUDENT REGISTRATION APPLICATION

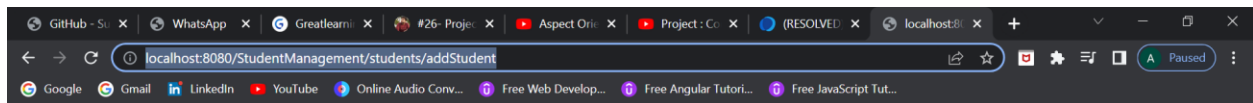
ID	STUDENT NAME	DEPARTMENT	COUNTRY	ACTION
1	Suresh	B.tech	India	 
2	Muri	B.Arch	Canada	 
3	Daniel	B.tech	New Zealand	 
4	Mark Horton	B.tech	USA	 

[New Student](#)



On Click New Student Button

<http://localhost:8080/StudentManagement/students/addStudent>



FILL STUDENT'S DETAILS

Student Name

Department











Country

[Back](#)

[Add](#)



Upon Adding New Student Redirect Back to List

ID	STUDENT NAME	DEPARTMENT	COUNTRY	ACTION
1	Suresh	B.tech	India	 
2	Muri	B.Arch	Canada	 
3	Daniel	B.tech	New Zealand	 
4	Mark Horton	B.tech	USA	 
15	Sumit Sharma	Management	USA	 

[New Student](#)

Update Existing Record

<http://localhost:8080/StudentManagement/students/update?studentId=15>

Update Student Details











Student Name

Department

Country











[Back](#) [Update](#)

After Updating Existing record with Student Id =15.

ID	STUDENT NAME	DEPARTMENT	COUNTRY	ACTION
1	Suresh	B.tech	India	 
2	Muri	B.Arch	Canada	 
3	Daniel	B.tech	New Zealand	 
4	Mark Horton	B.tech	USA	 
15	Sumit Kr. Sharma	Management	USA	 

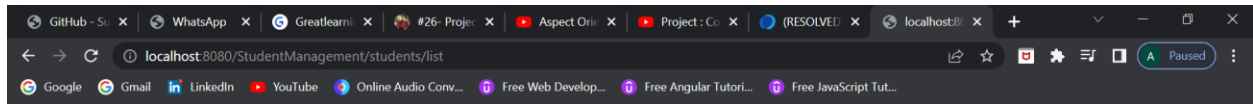
[New Student](#)

Deleting a Record Using Delete ICON









ID	STUDENT NAME	DEPARTMENT	COUNTRY	ACTION
1	Suresh	B.tech	India	 
2	Muri	B.Arch	Canada	 
3	Daniel	B.tech	New Zealand	 
4	Mark Horton	B.tech	USA	 
15	Sumit Kr. Sharma	Management	USA	 

[New Student](#)

After Deleting Record no. 15



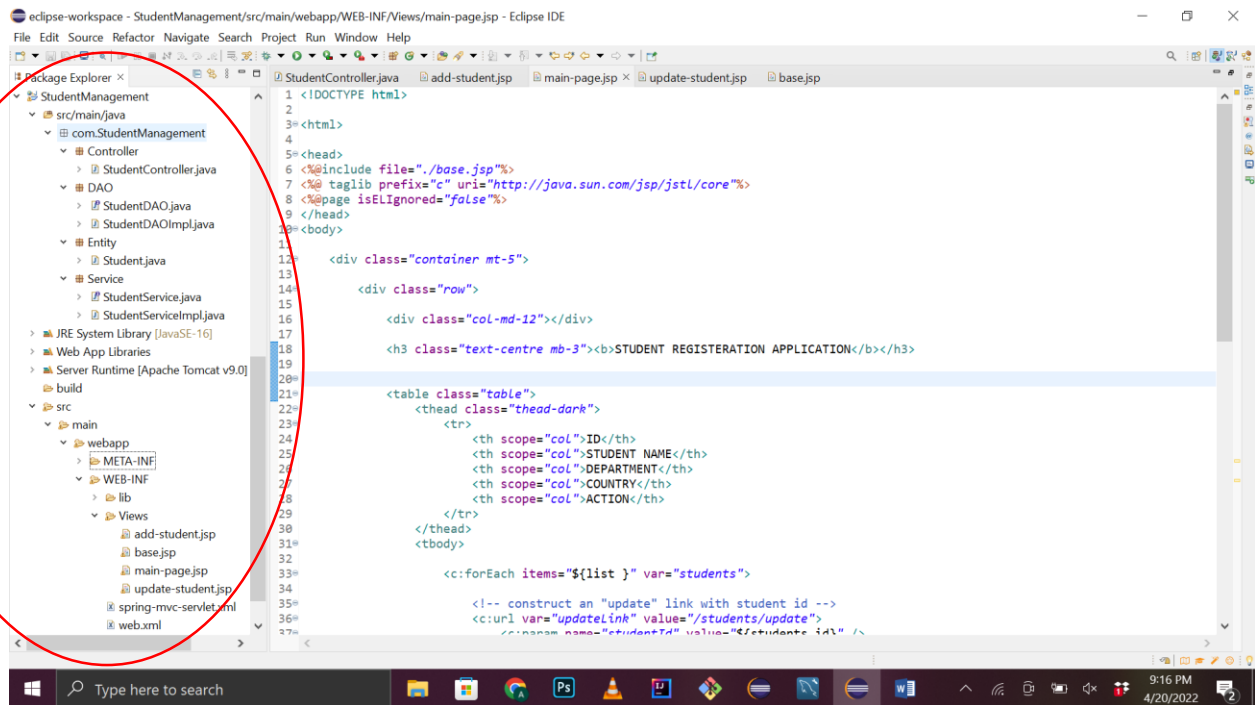
STUDENT REGISTRATION APPLICATION

ID	STUDENT NAME	DEPARTMENT	COUNTRY	ACTION
1	Suresh	B.tech	India	 
2	Muri	B.Arch	Canada	 
3	Daniel	B.tech	New Zealand	 
4	Mark Horton	B.tech	USA	 

[New Student](#)



Project Structure



The screenshot displays the Eclipse IDE interface for a project named "StudentManagement". The Package Explorer on the left, which is circled in red, shows the following structure:

- src/main/java
 - com.StudentManagement
 - Controller
 - StudentController.java
 - DAO
 - StudentDAO.java
 - StudentDAOImpl.java
 - Entity
 - Student.java
 - Service
 - StudentService.java
 - StudentServiceImpl.java
 - JRE System Library [JavaSE-16]
 - Web App Libraries
 - Server Runtime [Apache Tomcat v9.0]
 - build
 - src
 - main
 - webapp
 - META-INF
 - WEB-INF
 - lib
 - Views
 - add-student.jsp
 - base.jsp
 - main-page.jsp
 - update-student.jsp
 - spring-mvc-servlet.xml
 - web.xml

The main editor window displays the content of "main-page.jsp", which is a JSP file. The code includes a DOCTYPE declaration, HTML tags for a container, a table for student registration, and a loop for displaying a list of students. The code is as follows:

```
1 <!DOCTYPE html>
2
3 <html>
4
5 <head>
6 <%include file="/base.jsp"%>
7 <%taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
8 <%page isELIgnored="false"%>
9 </head>
10 <body>
11
12 <div class="container mt-5">
13
14 <div class="row">
15
16 <div class="col-md-12"></div>
17
18 <h3 class="text-centre mb-3"><b>STUDENT REGISTRATION APPLICATION</b></h3>
19
20
21 <table class="table">
22 <thead class="thead-dark">
23 <tr>
24 <th scope="col">ID</th>
25 <th scope="col">STUDENT NAME</th>
26 <th scope="col">DEPARTMENT</th>
27 <th scope="col">COUNTRY</th>
28 <th scope="col">ACTION</th>
29 </tr>
30 </thead>
31 <tbody>
32
33 <c:forEach items="${list}" var="students">
34
35 <!-- construct an "update" link with student id -->
36 <c:url var="updateLink" value="/students/update">
37 <param name="studentId" value="${students.id}" />
38 </c:url>
39
40 <tr>
41 <td>${students.id}</td>
42 <td>${students.name}</td>
43 <td>${students.department}</td>
44 <td>${students.country}</td>
45 <td><a href="${updateLink}">Update</a></td>
46 </tr>
47 </c:forEach>
48 </tbody>
49 </table>
50
51 </div>
52 </div>
53 </body>
54 </html>
```