

Course Name: Programming JAVA

Course Code: CSD 4464

Assignment-1

(Weighted-4%)

Objective: Creation of secure web sign-up/login pages with Java, HTML/JSP and Servlet.

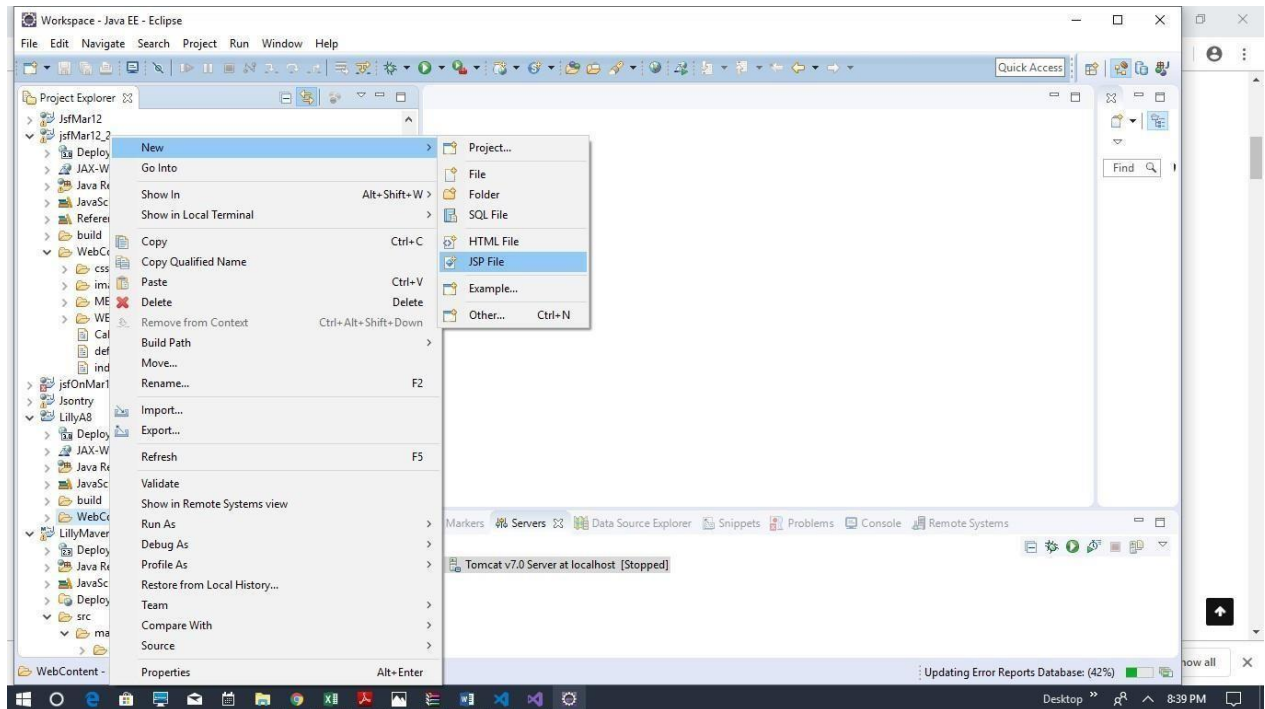
Tools and technologies: Java Development Kit (JDK), Eclipse (IDE), Apache Tomcat

Learning Outcome: L1, L2

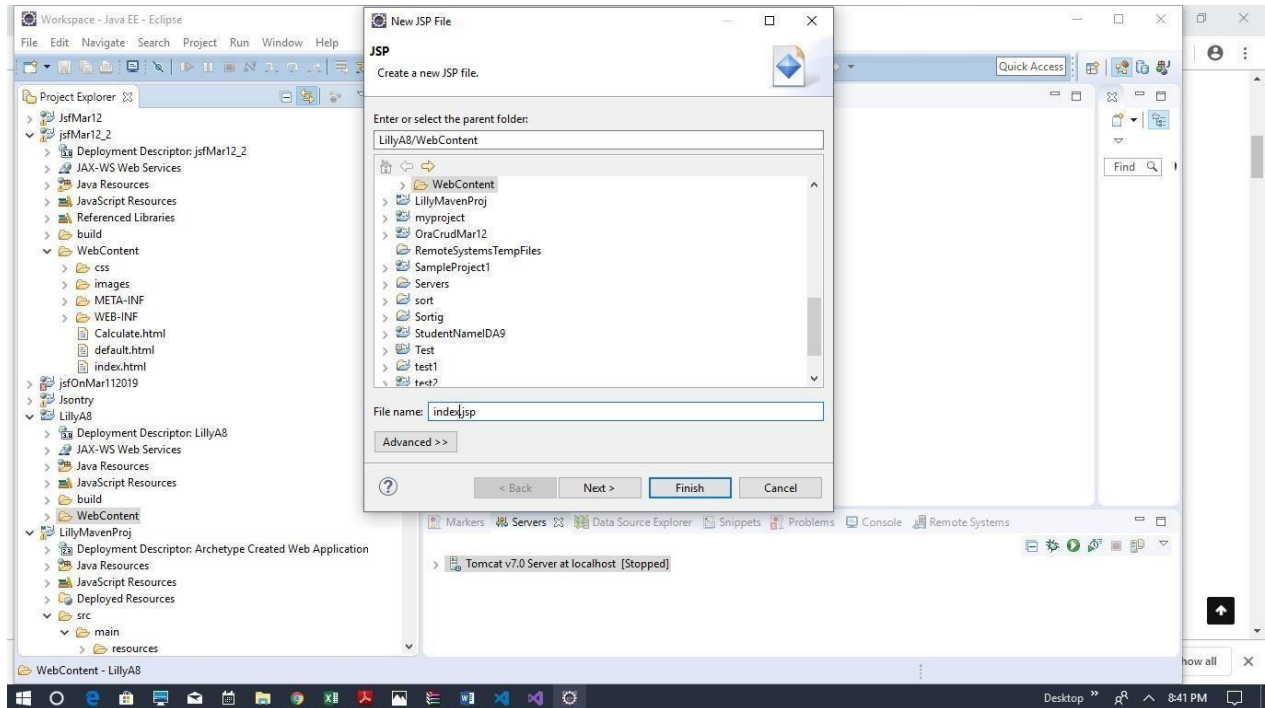
Question: Design a Java Dynamic Website to Create a Sign Up and Login Page using JSP and Servlet.

Follow the steps to complete the assignment

1. Create a Dynamic web project
2. Right click on Web content and select New > JSP file



3. Give the name of the jsp file as index.jsp



4. Replace the current with the following content

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title> Registration Form</title>
</head>
<body>
<h1>Lambton Account Registration Form</h1>
<form action="RegisterLilly" method="post">
    <table style="width: 50%">
        <tr>
            <td>First Name</td>
            <td><input type="text" name="first_name" /></td>
        </tr>
        <tr>
            <td>Last Name</td>
            <td><input type="text" name="last_name" /></td>
        </tr>
        <tr>
            <td>UserName</td>
            <td><input type="text" name="username" /></td>
        </tr>
```

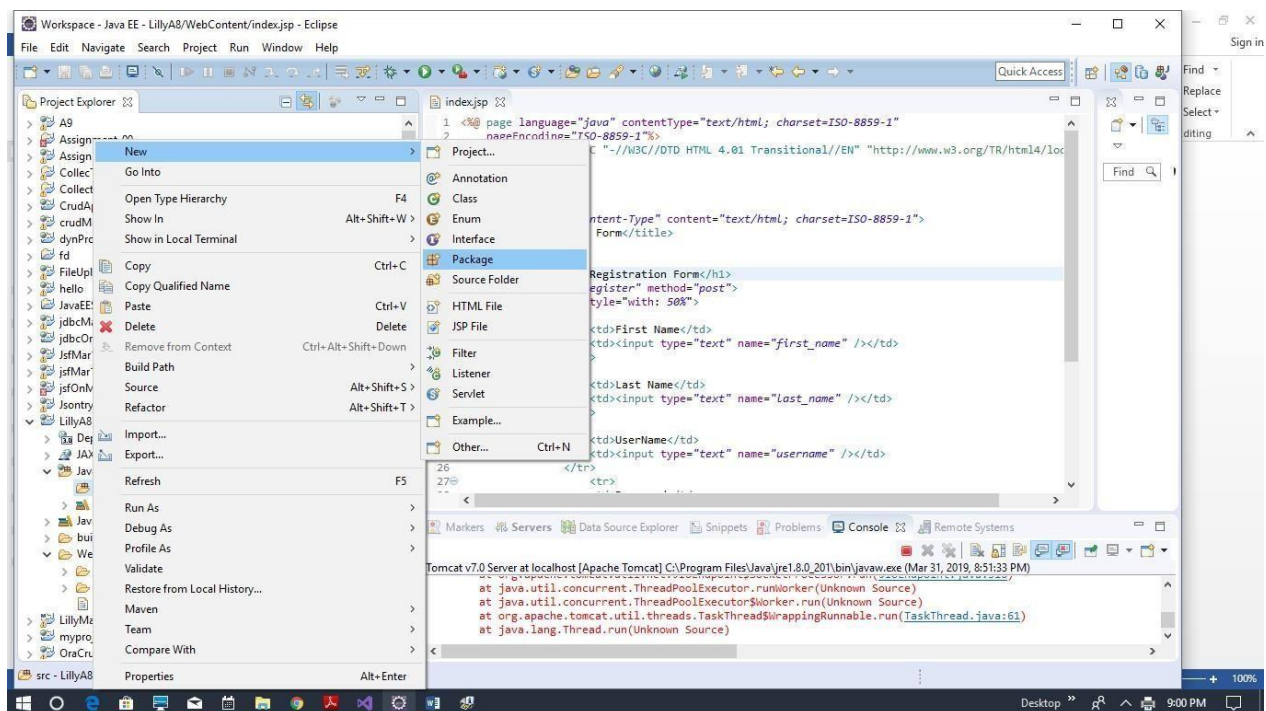
```

        <tr>
        <td>Password</td>
        <td><input type="password" name="password" /></td>
        </tr>
        <tr>
        <td>Address</td>
        <td><input type="text" name="address" /></td>
        </tr>
        <tr>
        <td>Contact No</td>
        <td><input type="text" name="contact" /></td>
        </tr></table>
<input type="submit" value="Submit" /></form>

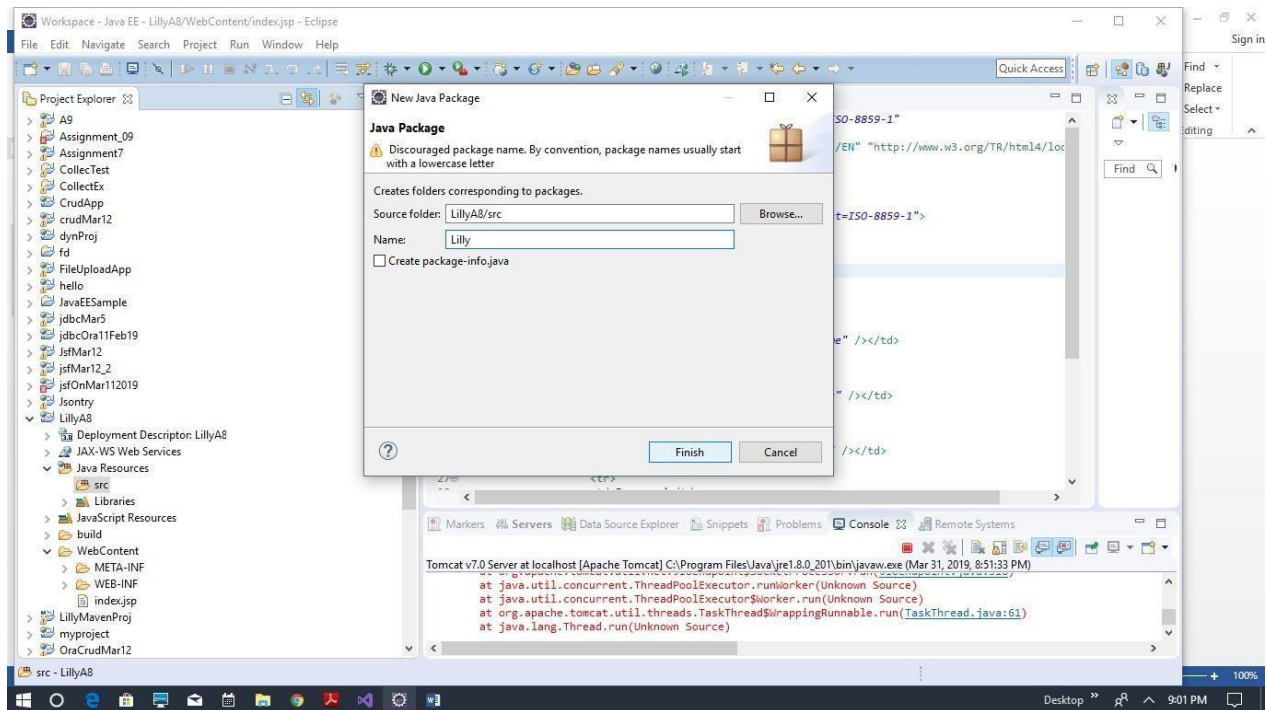
</body>
</html>

```

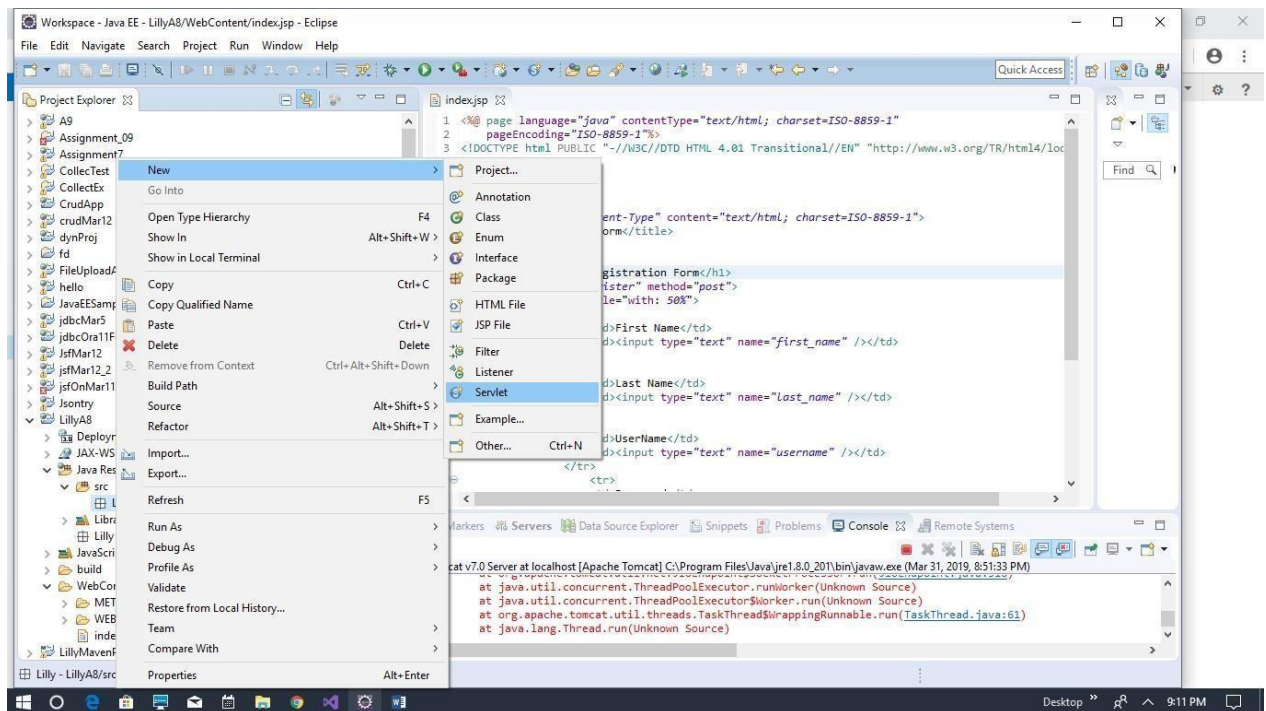
5. Right click on src folder and create a new package in your name.



6. Give your name as the package name



7. Now right click on the package and select New > Servlet



8. Give its name as Register<yourname>

9. Only replace the doPost method() with the following and import the required libraries

```
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    // TODO Auto-generated method stub
    String first_name = request.getParameter("first_name");
    String last_name = request.getParameter("last_name");
    String username = request.getParameter("username");
    String password = request.getParameter("password");
    String address = request.getParameter("address");
    String contact = request.getParameter("contact");

    if(first_name.isEmpty() || last_name.isEmpty() || username.isEmpty() ||
        password.isEmpty() || address.isEmpty() ||
contact.isEmpty())
    {
        RequestDispatcher req =
request.getRequestDispatcher("index.jsp");
        req.include(request, response);
    }
    else
    {
        RequestDispatcher req =
request.getRequestDispatcher("Register2.jsp");
        req.forward(request, response);
    }
}
```

10. Create another JSP file called Register2.jsp in WebContent folder and paste the following content.

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Success Page</title>
</head>
<body>
    <a><b>Welcome User!!!!</b></a>
    <a href="Register3.jsp">Goto Login Page</a>
</body>
</html>
```

11. Create another jsp file called Register3.jsp in WebContent folder and paste the

following content.

[illegible]

12. Create another jsp file called Register4.jsp in WebContent folder and paste the

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Guru Logged In</title>
</head>
<body>
    <table style="width: 50%">
```



```

        <tr><td>
            <% String username = request.getParameter("username"); %>
            <a>Welcome      <% out.println(username); %> User!!!! You have logged in.</a></td></tr>
        <tr></tr><tr><td></td><td></td><td><a
href="Register3.jsp"><b>Logout</b></a></td></tr>
    </table>
</body>
</html>

```

13. Create a Servlet called Login and replace it's post method with the following content

```

protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    // TODO Auto-generated method stub
    String username = request.getParameter("username");
    String password = request.getParameter("password");
    if(username.isEmpty() || password.isEmpty() )
    {
        RequestDispatcher req =
request.getRequestDispatcher("Register3.jsp");
        req.include(request, response);
    }
    else
    {
        RequestDispatcher req =
request.getRequestDispatcher("Register4.jsp");
        req.forward(request, response);
    }
}

```

14. Now Run the Register3.jsp