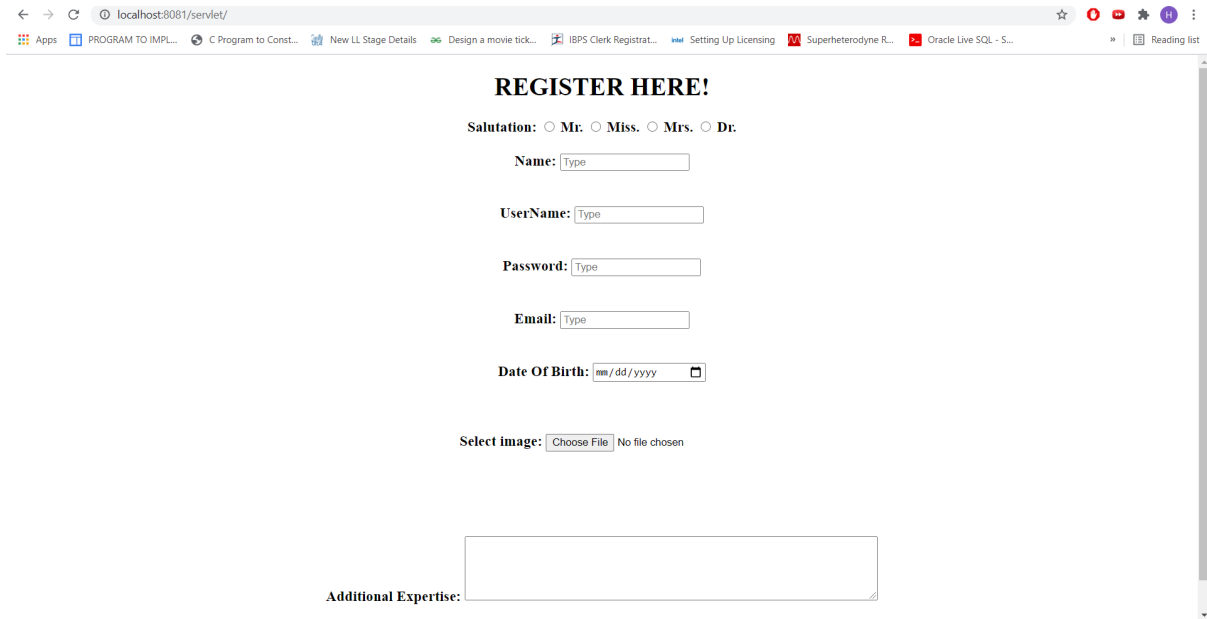


Exercise – 4

Form-Servlet Interaction

Harshini S-185001058

Output And Code:



The screenshot shows a web browser window with the address bar displaying 'localhost:8081/servlet/'. The browser's tab bar shows several open tabs, including 'PROGRAM TO IMPL...', 'C Program to Const...', 'New LL Stage Details', 'Design a movie tick...', 'IBPS Clerk Registrat...', 'Setting Up Licensing', 'Superheterodyne R...', and 'Oracle Live SQL - S...'. The main content area of the browser displays a registration form titled 'REGISTER HERE!'.

REGISTER HERE!


Salutation: ☐ Mr. ☐ Miss. ☐ Mrs. ☐ Dr.

Name:

UserName:

Password:

Email:

Date Of Birth: 

Select image: No file chosen

Additional Expertise:

localhost:8081/servlet/

localhost:8081 says
Registered successfully!

OK

Name: S Harshini

UserName: Harshini

Password:

Email: harshini@gmail.com

Date Of Birth: 05/11/2001

Select image: Choose File unnamed.png

Additional Expertise: Languages

Register Clear

localhost:8081/servlet/TestServlet?salutation=Mr.&fname=S+Harshini&user=Harshini&em=harshini%40gmail.com&dob=2001-05-11&img=

Apps PROGRAM TO IMPL... C Program to Const... New LL Stage Details Design a movie tick... IBPS Clerk Registrat... intel Setting Up Licensing

Your Details

Name: S Harshini
User Name: Harshini
E-Mail: harshini@gmail.com
DOB: 2001-05-11
Additional Expertise: Languages

Code:

Index.html

```
<!DOCTYPE html>
<html>
<head>
<title>registration</title>
<style>
label:hover ,input:hover
{
background-color:lightgrey;
}
body
{
text-align: center;
}
h1
{
text-align:center;
}
span
{
color:red;
}
</style>
<script>
function myFunction()
{
    alert("Registered successfully!");
    return true;
}

function na()
{
//radio button salutation
var radios = document.getElementsByName("salutation");
var formValid = false;
var i = 0;
while (!formValid && i < radios.length)
{
    if (radios[i].checked)
        formValid = true;
}
```

```

        i++;
    }
    if (!formValid)
        document.getElementById("n").innerHTML="Fill out the previous fields first";
    }

function usr()
{
    //name
    document.getElementById("n").innerHTML="";
    var x = document.getElementById("fname").value;
    var regex=/^[A-Z]\s[a-zA-Z]+\s?[a-zA-Z]*$/;
    if(x=="")
        document.getElementById("u").innerHTML="Fill out the previous fields first";
    else if(regex.test(x) == false)
        document.getElementById("n").innerHTML="Wrong format of name";
}

function password()
{
    //username
    document.getElementById("u").innerHTML="";
    var x = document.getElementById("user").value;
    var regex=/^[A-Za-z]*$/;
    if(x=="")
        document.getElementById("p").innerHTML="Fill out the previous fields first";
    else if(regex.test(x) == false)
        document.getElementById("u").innerHTML="Wrong format of username";
}

function email()
{
    document.getElementById("p").innerHTML="";
    //password
    var x = document.getElementById("pw").value;
    var regex=/^(?=.*[a-z])(?=.*[A-Z])(?=.*?[0-9])(?=.*?[#?!@$%^&*~]).{8,}$/;
    if(x=="")
        document.getElementById("e").innerHTML="Fill out the previous fields first";
    else if(regex.test(x) == false)
        document.getElementById("p").innerHTML="Wrong format of password";
}

function dt_b()

```

```

{
//email
document.getElementById("e").innerHTML="";
var x = document.getElementById("em").value;
var regex=/^.+@.\.(org|net|com|in)$/;
if(x=="")
    document.getElementById("birth").innerHTML="Fill out the previous fields
first";
else if(regex.test(x) == false)
    document.getElementById("e").innerHTML="Wrong format of email ID";
}

```

```

function sel_img()
{
//dob
document.getElementById("birth").innerHTML="";
var dob = new Date(document.getElementById("dob").value);
var yr = new Date(Date.now());
var diff=yr.getFullYear()-dob.getFullYear();
if( diff<18 || diff>35 )
    {
        document.getElementById("birth").innerHTML="Age should be between 18
and 35";
    }
}

```

```

</script>
</head>
<body>
<h1>REGISTER HERE!</h2>
<h3>

```

```

<form align="center" name="myForm" onsubmit="return myFunction()"
action="TestServleta" method="get">
<label for="rad">Salutation:</label>
    <input type="radio" id="a" name="salutation" value="Mr.">
    <label for="Mr.">Mr.</label>
    <input type="radio" id="b" name="salutation" value="Miss.">
    <label for="Miss.">Miss.</label>
    <input type="radio" id="c" name="salutation" value="Mrs.">
    <label for="Mrs.">Mrs.</label>
    <input type="radio" id="d" name="salutation" value="Dr.">
    <label for="Dr.">Dr.</label><span id="sal"></span><br><br>

```

```
<label for="fname">Name:</label>
<input type="text" id="fname" name="fname" onfocus="na()" placeholder="Type"
required><br><span id="n"></span><br><br>
```

```
<label for="user">UserName:</label>
<input list="usernames" id="user" name="user" placeholder="Type" onfocus="usr()"
required> <br><span id="u"></span> <br><br>
<datalist id="usernames">
  <option value="Archana">
  <option value="Harshini">
  <option value="Bargavi">
</datalist>
```

```
<label for="pw">Password:</label>
<input type="password" id="pw" placeholder="Type" onfocus="password()"
required><br><span id="p"></span><br><br>
```

```
<label for="em">Email:</label>
<input type="email" id="em" name="em" placeholder="Type" onfocus="email()"
required><br><span id="e"></span><br><br>
```

```
<label for="dob">Date Of Birth:</label>
<input type="date" id="dob" name="dob" onfocus="dt_b()" required><br><span
id="birth"><br></span><br><br>
```

```
<label for="img">Select image:</label>
<input type="file" id="img" name="img" accept="image/*" onfocus="sel_img()"
required><br><span id="i"></span><br><br>
```

```
<label for="exp"><br><br><br>Additional Expertise:</label>
<textarea id="exp" name="exp" rows="5" cols="70" required></textarea><br><br>
```

```
<input type="submit" value="Register">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="reset"
value="Clear">
```

```
</form>
</h3>
</div>
</body>
</html>
```

Web.xml

```
<web-app>
    <servlet>
        <servlet-name>s10</servlet-name>
        <servlet-class>TestServleta</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>s10</servlet-name>
        <url-pattern>/TestServleta</url-pattern>
    </servlet-mapping>
</web-app>
```

TestServleta.java

```
import java.io.*;
import jakarta.servlet.*;
import jakarta.servlet.http.*;
public class TestServleta extends HttpServlet
{
    public void doGet(HttpServletRequest req,HttpServletResponse res)throws
IOException,ServletException
    {
        res.setContentType("text/html");
        PrintWriter out=res.getWriter();
        String name=req.getParameter("fname");
        String username=req.getParameter("user");
        String email=req.getParameter("em");
        String d=req.getParameter("dob");
        String additional=req.getParameter("exp");
        out.print("<h1>Your Details</h1><br>");

        out.print("<h3><table><tr><td>Name:</td><td>"+name+"</td></tr><tr><td>User
Name:</td><td>"+username+"</td></tr><tr><td>E-Mail:</td><td>"+email+"</td></tr
><tr><td>DOB:</td><td>"+d+"</td></tr><tr><td>Additional
Expertise:</td><td>"+additional+"</td></tr></table></h3>");
        out.close();
    }
}
```