

Exercise – 4

Form-Servlet Interaction

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Output And Code:

→ ↻ 🏠 🌐 localhost:8081/servlet/

REGISTER HERE!

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

Name:

UserName:

Password:

Email:

Date Of Birth: 📅

Select image: No file chosen

Additional Expertise:

REGISTER HERE!


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

Name:

UserName:

Password:

Email:

Date Of Birth: 

Select image: Passport size photo.jpg

Additional Expertise:

Languages

Your Details

Name: M Gayathri

User Name: Gayathri

E-Mail: gayathri@gmail.com

DOB: 2001-07-05

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="Gayathri">
<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();
    }
}
```