

EXPERIMENT 8

PART B

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Class: B. Tech. Comp. Engg.	Batch: E3
Date of Experiment:	Date of Submission:
Grade :	

B.1 Software Code written by student:

P8.html

```
<html>
```

```
    <head>
```

```
        <title>Register</title>
```

```
        <link rel="stylesheet" type="text/css" href="layout.css">
```

```
        <link rel="stylesheet" type="text/css" href="button.css">
```

```
        <script type="text/javascript">
```

```
            function validateLength(x,len) {
```

```
                if (x.length>len) {
```

```
                    return 0;
```

```
                }
```

```
                if(x.length<1) {
```

```
                    return 0;
```

```
                }
```

```
                else {
```

```
                    return 1;
```

```
                }
```

```
}
```

```
function validateEmail(x) {  
    pos=0;  
    pos = x.search("gmail.com");  
    if(pos==-1) {  
        return 0;  
    }  
}
```

```
function validatePassword(x) {  
    regex1 = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d).+$/;  
    if(!regex1.test(x)) {  
        return 0;  
    }  
    return 1;  
}
```

```
function formValidate() {  
    x=document.forms["register"]["name"].value;  
    if(validateLength(x,15)==0) {  
        alert("Incorrect length of Display Name");  
        return false;  
    }  
    x=document.forms["register"]["email"].value;
```

```
if(x.length==0) {  
    alert("Enter valid Email ID");  
    return false;  
}  
else {  
    res = validateEmail(x);  
    if(res==0) {  
        alert("Gmail ID required (@gmail.com)");  
        return false;  
    }  
}
```

```
x=document.forms["register"]["psswd"].value;  
if(x.length==0) {  
    alert("Enter valid password");  
    return false;  
}  
else {  
    res = validatePassword(x);  
    if(res==0) {  
        alert("Enter valid password");  
        return false;  
    }  
}
```

```
x=document.forms["register"]["gender"].value;
if(x.length==0) {
    alert("Select valid gender");
    return false;
}
```

```
x=document.forms["register"]["age"].value;
if(x=="SelectAgeGroup") {
    alert("Select valid age group");
    return false;
}
```

```
x=document.forms["register"]["check"].checked;
if(document.forms["register"]["check"].checked) {
    alert("Newsletters will be sent to your registered email id
every month. You can disable this setting later from account settings.");
}
return true;
}
```

```
function changeToHome() {
    newUrl = "home.html";
    window.top.location.href = newUrl;
}
```

```

function loginValidate() {
    x=document.forms["login"]["username"].value;
    if(x.length==0) {
        //alert("Enter valid Username");
        document.getElementById("status").innerHTML = "Invalid
Username/Password";

        return false;
    }
    else {
        res = validateEmail(x);
        if(res==0) {
            //alert("Enter valid Username");
            document.getElementById("status").innerHTML =
"Invalid Username/Password";

            return false;
        }
        else if(x!="rajasjambekar@gmail.com") {
            //alert("Incorrect Username or Passowrd");
            document.getElementById("status").innerHTML =
"Invalid Username/Password";

            return false;
        }
    }

    x=document.forms["login"]["password"].value;
    if(x.length==0) {

```

```

        //alert("Enter valid password");

        document.getElementById("status").innerHTML = "Invalid
Username/Password";

        return false;
    }
    else {
        res = validatePassword(x);
        if(res==0) {
            //alert("Enter valid password");

            document.getElementById("status").innerHTML =
"Invalid Username/Password";

            return false;
        }
        else if(x!="Abc123") {
            //alert("Incorrect password");

            document.getElementById("status").innerHTML =
"Invalid Username/Password";

            return false;
        }
    }
}

```

```

function checkStrength() {
    var str;

    x=document.forms["register"]["psswd"].value;

    if(!x=="") {

```

```
res=validatePassword(x);
if(res==0) {
    str="Invalid";
    str = str.fontcolor("red");
    document.getElementById("demo").innerHTML =
str;
}
else {
    if(x.length<5) {
        str="Weak";
        str = str.fontcolor("red");

document.getElementById("demo").innerHTML = str;
    }
    else if(x.length<8) {
        str="Medium";
        str = str.fontcolor("gold");

document.getElementById("demo").innerHTML = str;
    }
    else {
        str="Strong";
        str = str.fontcolor("green");

document.getElementById("demo").innerHTML = str;
    }
}
```

```

        }
        else {
            document.getElementById("demo").innerHTML =
"Invalid";
        }
    }
</script>

</head>

<body bgcolor="black">

<div id="header">

<h3><font color="white" size="12">Registration Form</font></h3>

</div>

<div id="back">

<div align="center">

<form name="register" action="formDetails.jsp" target="_top"
method="post" onSubmit="return formValidate();">

<table cellpadding="20">

<tr><td><font color="white" face="verdana"
size="4px">Name:</td><td><input type="text" name="name"></td></tr>

<tr><td><font color="white" face="verdana"
size="4px">Email ID:</td><td><input type="text" name="email"> <font color="white">(Gmail
ID)</td></tr>

<tr><td><font color="white" face="verdana"
size="4px">Password:</td><td><input type="password" name="psswd"
onKeyUp="checkStrength()"><font face="verdana" id="fnt" size="2px" color="red">&nbsp;<p

```


id="demo" style="display:inline;width:100px">Invalid</p> <p style="display:inline">(uppercase, lowercase, alphanumeric characters)</p></td></tr>

<tr><td>Gender:</td>
<td><input type="radio" name="gender" value="Male">Male
<input type="radio" name="gender" value="Female">Female</td></tr>

<tr><td>Age:</td><td>
<select name="age">
<option value="SelectAgeGroup">Select Age Group </option>
<option value="below18"><18 years
</option>
<option value="18-50">18-50
years</option>
<option value="above50">>50
years</option>
</select>
(Security Purposes)</td></tr>

<tr><td>Newsletters:</td><td>
<input type="checkbox" name="check">(Do you want to Receive monthly newsletter from PhoneSpace)</td></tr>

```
</table>

<br>

<div class="btn">

    <input id="btn1" type="submit" name="submit"
value="Submit">

</div>

<div class="btn">

    <input id="btn2" type="button" name="cancel"
value="Cancel" onClick="return changeToHome();">

</div>

</form>

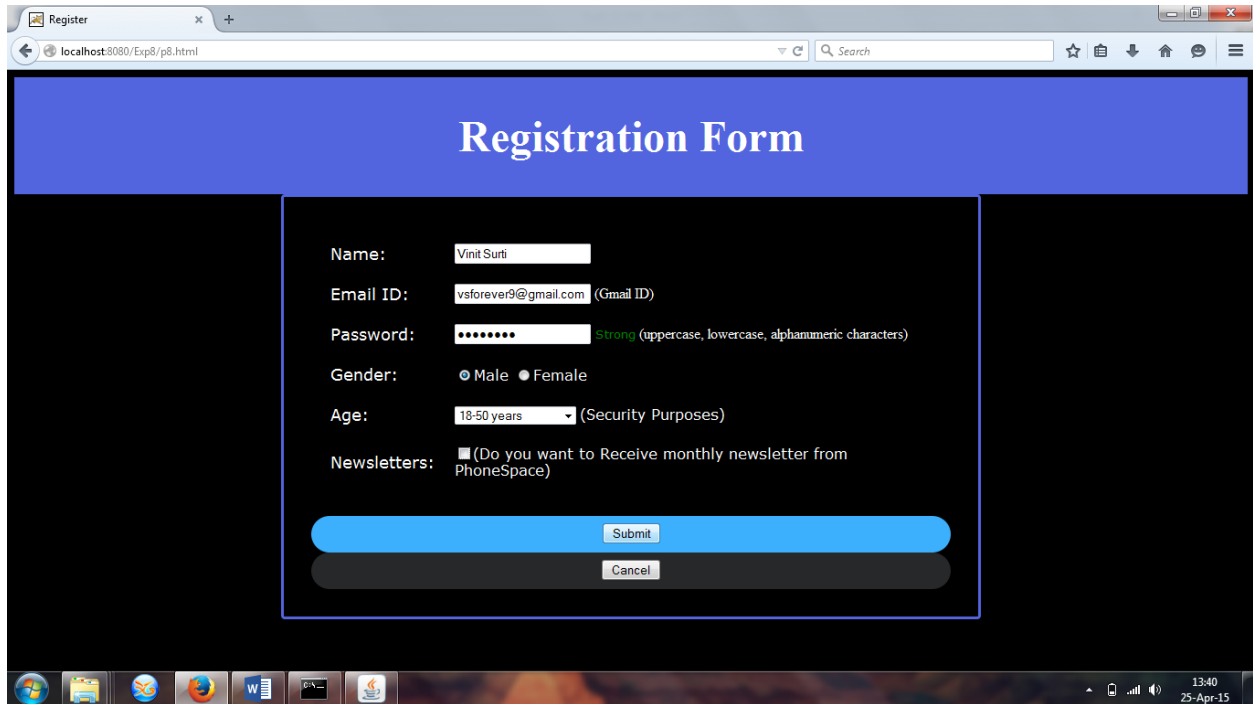
</div>

</div>

</body>

</html>
```

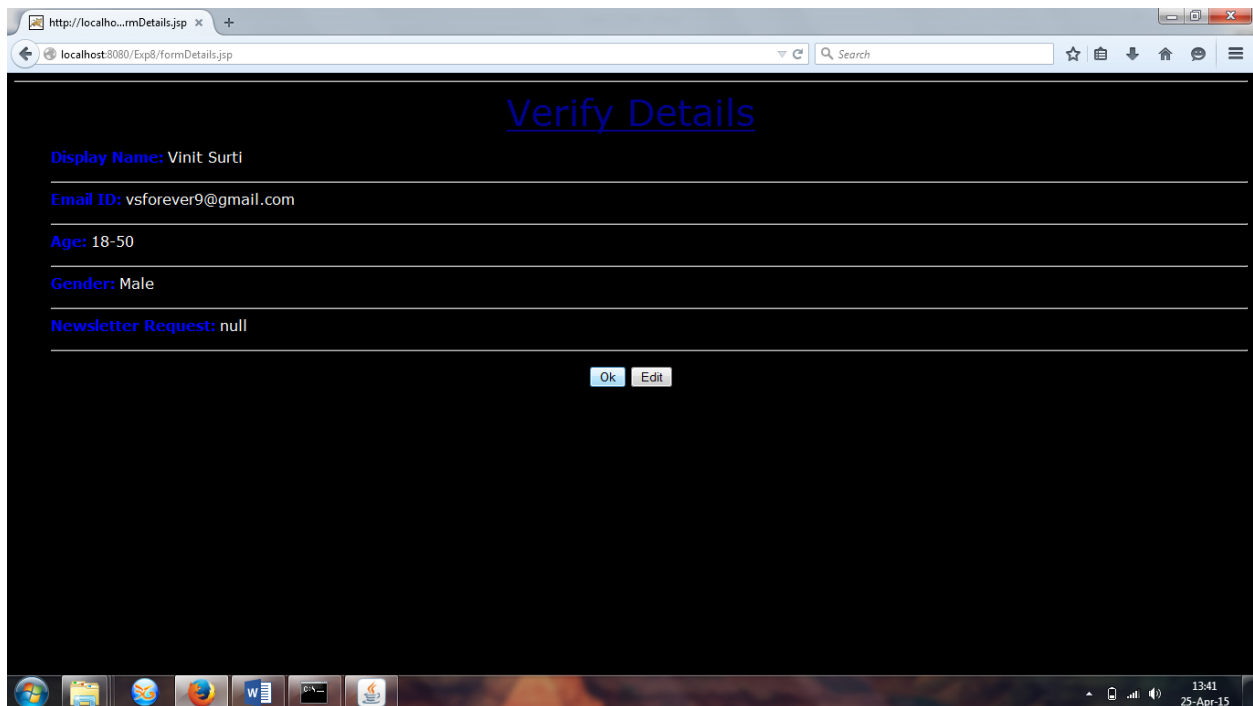
B.2 Input and Output:



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/Exp8/p8.html'. The page title is 'Register'. The main content area has a blue header with the text 'Registration Form'. Below the header, there is a registration form with the following fields and options:

- Name:
- Email ID: (Gmail ID)
- Password: Strong (uppercase, lowercase, alphanumeric characters)
- Gender: ☒ Male ☐ Female
- Age: (Security Purposes)
- Newsletters: ☐ (Do you want to Receive monthly newsletter from PhoneSpace)

At the bottom of the form, there are two buttons: 'Submit' and 'Cancel'.



The screenshot shows a web browser window with the address bar displaying 'http://localhost:8080/Exp8/FormDetails.jsp'. The page title is 'Verify Details'. The main content area has a blue header with the text 'Verify Details'. Below the header, there is a verification form with the following fields and options:

- Display Name: Vinit Surti
- Email ID: vsforever9@gmail.com
- Age: 18-50
- Gender: Male
- Newsletter Request: null

At the bottom of the form, there are two buttons: 'Ok' and 'Edit'.

B.3 Observations and learning:

JavaServer Pages (JSP) is a technology that helps software developers create dynamically generated web pages based on HTML, XML, or other document types. JSP allows Java code and certain pre-defined actions to be interleaved with static web markup content, with the resulting page being compiled and executed on the server to deliver a document. Here the JSP page Formdetails.jsp is used to verify and retrieve the details from the Register.html page.

B.4 Conclusion:

Thus we have implemented JSP in Tomcat Server to retrieve the details from server.