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| 2. | Use JavaScript for doing client – side validation of the pages implemented in the experiment |
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Aim:

☛ Use JavaScript for doing client – side validation of the pages implemented in the experiment

Solution :

☛ Client - Side validation of Registration Page

registrationJS.html

```
<html>
<head>
  <title> Welcome to VITS e-Book's website</title>
  <script language="javascript">
    function validate() {
      // username validation
      var uname = f1.username.value;
      if (uname.length<=0)
      {
        alert("Please Enter UserName");
        f1.username.focus();
        return false;
      }
      if (uname.length < 8)
      {
        alert("Please enter UserName not less than 8");
        f1.username.focus();
        return false;
      }
      //password validation
      var pwd = f1.password.value;
      if (pwd.length<=0)
      {
        alert("Please Enter password");
        f1.password.focus();
        return false;
      }
      if (pwd.length < 6)
      {
        alert("Please enter Password not less than 6");
```

```

    f1.password.focus();
    return false;
}
// email validation
var email = f1.email.value;
if (email.length<=0)
{
    alert("Please Enter email");
    f1.email.focus();
    return false;
}
else {
    let eflag=false;
    for(i=0;i<email.length;i++) {
        if(email.charAt(i)=="@")
        {
            eflag=true;
        }
    }
    if(!(eflag))
    {
        alert("Please enter a valid Email ID");
        f1.email.focus();
        return false;
    }
}
// phone number validation
var phno = f1.phno.value;
if (phno.length<=0)
{
    alert("Please Enter Phone Number");
    f1.phno.focus();
    return false;
}
if (isNaN(phno))
{
    alert("Please Enter Valid Phone Number");
    f1.phno.focus();
    return false;
}
if (phno.length != 10)
{
    alert("Please Enter Valid Phone Number");
    f1.phno.focus();
    return false;
}
// gender validation
let flag=false;
for(i=0;i<f1.gen.length;i++)
    if(f1.gen[i].checked)

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```
        flag=true;
    if(!(flag))
    {
        alert("Please choose a Gender");
        return false;
    }
    // Language validation
    flag=false;
    for(i=0;i<f1.lang.length;i++)
        if(f1.lang[i].checked)
            flag=true;
    if(!(flag))
    {
        alert("Please select at least one of the Language options.");
        return false;
    }
    // address validation
    var addr = f1.address.value;
    if (addr length<=0)
    {
        alert("Please Enter address");
        f1.address.focus();
        return false;
    }
    // to display Success message
    alert("Registration Successful");
}
</script>
</head>
<body>
<center><br>
<h3>Registration Form </h3>
<br/>
<form name="f1">
<table cellpadding="1" align="center" >
<tr><td> User Name:*</td>
<td><input type="text" name="username"></td></tr>
<tr><td>Password:*</td>
<td><input type="password" name="password"></td></tr>
<tr><td>Email ID:*</td>
<td><input type="text" name="email"></td></tr>
<tr><td>Phone Number:*</td>
<td><input type="text" name="phno"></td></tr>
<tr><td valign="top">Gender:*</td>
<td><input type="radio" name="gen" value="Male">Male &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
<input type="radio" name="gen" value="Female">Female</td></tr>
<tr> <td valign="top">Language Known:*</td>
<td> <input type="checkbox" name="lang" value="English">English<br/>
<input type="checkbox" name="lang" value="Telugu">Telugu<br>
<input type="checkbox" name="lang" value="Hindi">Hindi<br>
```

```

<input type="checkbox" name="lang" value="Tamil">Tamil
</td></tr>
<tr> <td valign="top">Address:*</td>
<td><textarea name="address"></textarea></td>
<tr><td></td><td><input type="button" value="SUBMIT" hspace="10" onclick="validate
()">
<input type="reset" value="RESET"></td></tr>
<tr> <td colspan=2>*<font color="#FF0000">fields are mandatory</font>
</td>
</tr>
</table>
</form>
</center>
</body>
</html>

```

Output :

Registration Form

User Name:*

Password:*

Email ID:*

Phone Number:*

Gender:* ☐ Male ☐ Female

Language Known:* ☐ English
☐ Telugu
☐ Hindi
☐ Tamil

Address:*

*fields are mandatory

