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

<html>

<head>

<title> Welcome to NNRG 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)

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;

<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>