



PARSHVANATH CHARITABLE TRUST'S

**A. P. SHAH INSTITUTE OF TECHNOLOGY**

**Department of Information Technology**

**(NBA Accredited)**



**Academic Year: 2025-26**  
**Semester: V**  
**Class / Branch/ Div: TEIT C**  
**Subject: IP Lab**

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**Roll No.15**  
**Date of Submission:19/09/2025**

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## **Experiment No: 6**

**Aim:** Write a program to apply validations to Registration Form.

### **Code & Output:**

#### **Validation.html**

```
<!DOCTYPE html>
```

```
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1" />
<title>Register Form</title>
<link rel="stylesheet" href="validation.css">
<script>
function val(event) {
event.preventDefault();
```

```
let form = document.f1;
let un = form.un.value.trim();
let em = form.em.value.trim();
let pwd = form.pwd.value;
let cpwd = form.cpwd.value;
let ad = form.ad.value.trim();
```

```
if (un === "") {
alert("Username cannot be blank");
form.un.focus();
return false;
}
if (em === "") {
```



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```
alert("Email cannot be blank");
form.em.focus();
return false;
}
if (pwd === "") {
alert("Password cannot be blank");
form.pwd.focus();
return false;
}
if (cpwd === "") {
alert("Confirm Password cannot be blank");
form.cpwd.focus();
return false;
}
if (ad === "") {
alert("Address cannot be blank");
form.ad.focus();
return false;
}
```

```
let genders = form.gender;
let genderSelected = false;
let genderValue = "";
for (let i = 0; i < genders.length; i++) {
if (genders[i].checked) {
genderSelected = true;
genderValue = genders[i].value;
break;
}
}
if (!genderSelected) {
alert("Please select your gender");
genders[0].focus();
return false;
}
```

```
if (!isNaN(un)) {
alert("Username cannot be only numbers");
form.un.focus();
return false;
}
```

```
if (pwd.length < 8) {
alert("Password should be at least 8 characters");
}
```



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```
form.pwd.focus();  
return false;  
}
```

```
if (pwd !== cpwd) {  
    alert("Password mismatch");  
    form.cpwd.focus();  
    return false;  
}
```

```
alert("Registration successful!");
```

```
console.log("Submitted Data:");  
console.log("Username:", un);  
console.log("Email:", em);  
console.log("Gender:", genderValue);  
console.log("Address:", ad);
```

```
form.reset();
```

```
return true;  
}
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<h1 class="header">Registration Form</h1>
```

```
<form name="f1" method="get" onsubmit="return val(event);">
```

```
UserName: <input type="text" name="un"><br><br>
```

```
Email: <input type="email" name="em"><br><br>
```

```
Password: <input type="password" name="pwd"><br><br>
```

```
Confirm Password: <input type="password" name="cpwd"><br><br>
```

```
<label for="Gender">Gender</label><br>
```

```
<input type="radio" name="gender" value="Male">Male<br>
```

```
<input type="radio" name="gender" value="Female">Female<br>
```

```
<input type="radio" name="gender" value="Others">Others<br><br>
```

```
Address: <textarea name="ad" id=""></textarea>
```

```
<button type="submit">Submit</button>
```

```
</form>
```

```
</body>
```



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```
</html>
```

**validation.css**

```
body {
```

```
font-family: Arial, sans-serif;
background: #f0f2f5;
margin: 0;
padding: 20px;
display: flex;
flex-direction: column;
align-items: center;
justify-content: flex-start;
min-height: 100vh;
}
```

```
.header {
text-align: center;
color: #333;
margin: 20px 0;
padding: 0;
}
```

```
form {
margin-top: 70px;
background: white;
padding: 30px 40px;
border-radius: 8px;
box-shadow: 0 2px 8px rgba(0,0,0,0.1);
width: 350px;
}
```

```
label {
font-weight: bold;
margin-bottom: 6px;
display: block;
color: #555;
}
```

```
input[type="text"],
input[type="email"],
input[type="password"],
```



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```
textarea {  
width: 100%;  
padding: 10px 12px;  
margin-bottom: 15px;  
border: 1px solid #ccc;  
border-radius: 4px;  
box-sizing: border-box;  
font-size: 14px;  
resize: vertical;  
}
```

```
textarea {  
height: 80px;  
}
```

```
input[type="radio"] {  
margin-right: 8px;  
}
```

```
.gender-group {  
margin-bottom: 15px;  
}
```

```
button {  
width: 100%;  
padding: 12px 0;  
background-color: #4CAF50;  
border: none;  
border-radius: 5px;  
color: white;  
font-size: 16px;  
cursor: pointer;  
font-weight: bold;  
transition: background-color 0.3s ease;  
}
```

```
button:hover {  
background-color: #45a049;  
}
```



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127.0.0.1:5501 says  
Username cannot be blank

OK

Register Form

You are signed in as 24

Section: Experiment No

127.0.0.1:5501/Exp3/EXP6/Validation.html

Finish update

UserName:

Email:

Password:

Confirm Password:

Gender

☐ Male

☐ Female

☐ Others

Address:

Submit

Register Form

UserName:  
sahil

Email:  
sahil

Please include an '@' in the email address. 'sahil' is missing an '@'.

Confirm Password:  
\*\*\*\*\*

Gender

☒ Male

☐ Female

☐ Others

Address:  
chunabhatti

Submit

Register Form

You are signed in as 24

Section: Experiment No

127.0.0.1:5501/Exp3/EXP6/Validation.html

Finish update



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Register Form x You are signed in as 24 x Section: Experiment No x +

127.0.0.1:5501/Exp3/EXP6/Validation.html

127.0.0.1:5501 says  
Password should be at least 8 characters

OK

Email:  
sahl@gmail.com

Password:  
\*\*\*\*\*

Confirm Password:  
\*\*\*\*\*

Gender  
☒ Male  
☐ Female  
☐ Others

Address:  
chunabhatti

Submit

Register Form x You are signed in as 24 x Section: Experiment No x +

127.0.0.1:5501/Exp3/EXP6/Validation.html

127.0.0.1:5501 says  
Password mismatch

OK

Email:  
sahl@gmail.com

Password:  
\*\*\*\*\*

Confirm Password:  
\*\*\*\*\*

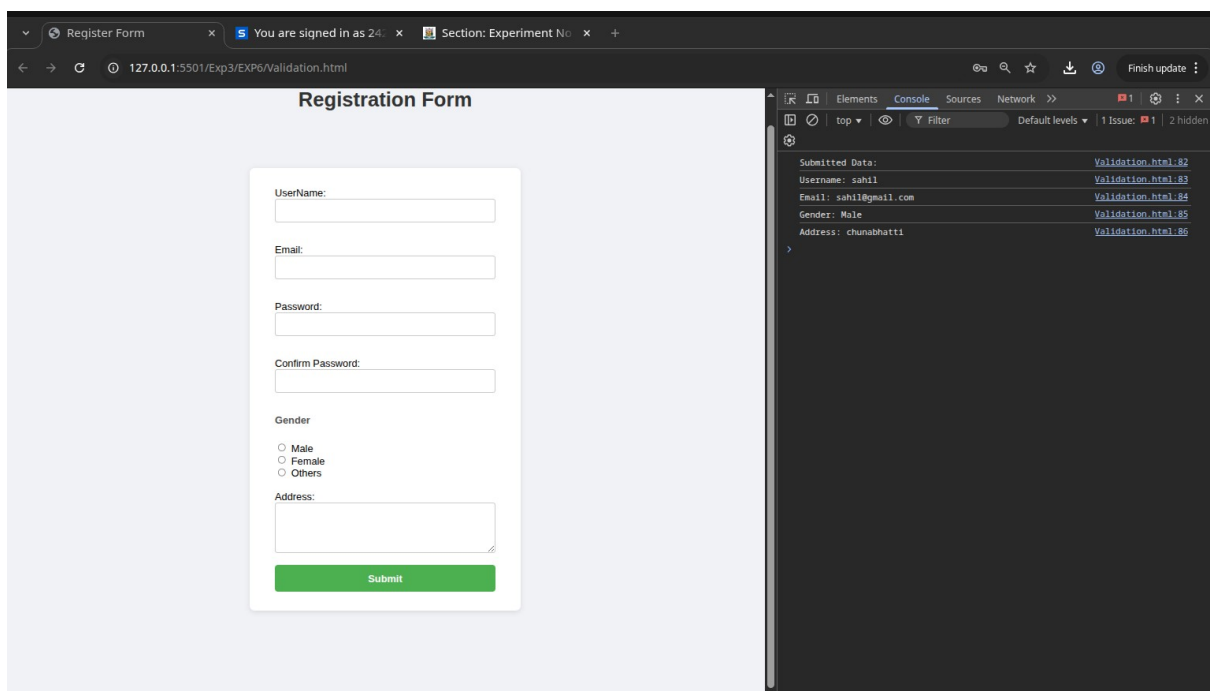
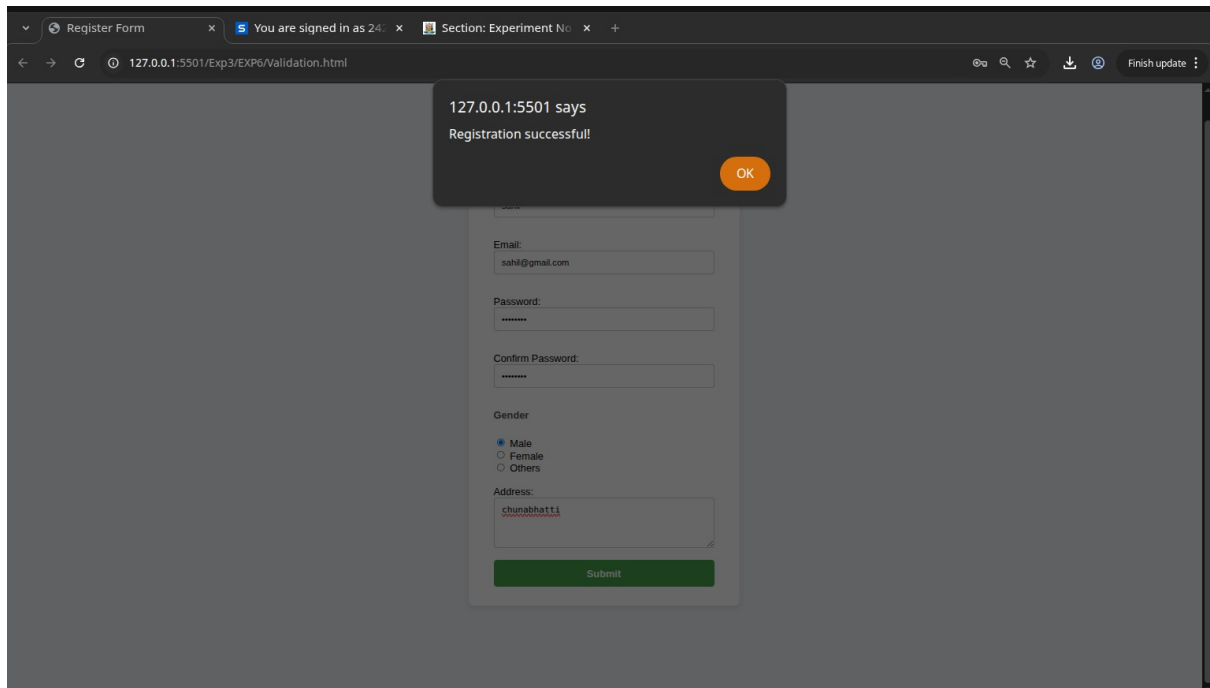
Gender  
☒ Male  
☐ Female  
☐ Others

Address:  
chunabhatti

Submit



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### **Conclusion:**

Thus, in this experiment we have learned about how to write program to apply validations to Registration Form.