

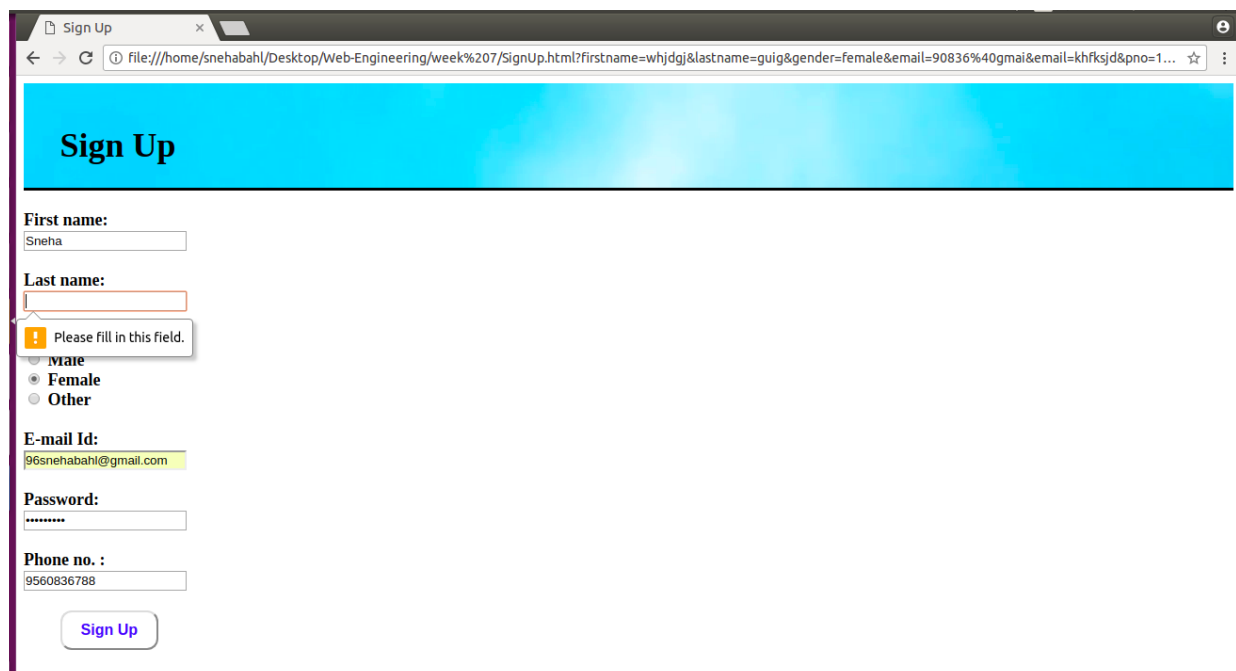
EXPERIMENT-7

AIM: To add validations to HTML form.

Field Required validation

```
<form name="SignUpForm" onsubmit="return validate()" >
<div class=c>
  First name:<br>
  <input type="text" name="firstname" required><br><br>
  Last name:<br>
  <input type="text" name="lastname" required><br><br>
  Gender:<br>
  <input type="radio" name="gender" value="male" checked > Male<br>
  <input type="radio" name="gender" value="female"> Female<br>
  <input type="radio" name="gender" value="other"> Other<br><br>
  E-mail Id:<br>
  <input type="text" name="email" required><br><br>
  Password:<br>
  <input type="password" name="passwd" required><br><br>
  Phone no. :<br>
  <input type="tel" name="pno"><br><br>
  <input id=b1 type="submit" name="Submit" value="Sign Up" >
</div>

</form>
</body>
```



The screenshot shows a web browser window with the title 'Sign Up'. The address bar shows a file path: file:///home/snehabahl/Desktop/Web-Engineering/week%207/SignUp.html?firstname=whjdgj&lastname=guig&gender=female&email=90836%40gmail&email=khfksjd&pno=1... . The form has a blue header with the text 'Sign Up'. Below the header, the form fields are: 'First name:' with the value 'Sneha', 'Last name:' with an empty field, 'Gender:' with three radio buttons (Male, Female, Other), 'E-mail Id:' with the value '96snehabahl@gmail.com', 'Password:' with a masked field (*****), and 'Phone no. :' with the value '9560836788'. A 'Sign Up' button is at the bottom. A validation error message is displayed: 'Please fill in this field.' with a red border around the 'Last name' field.

Email validation

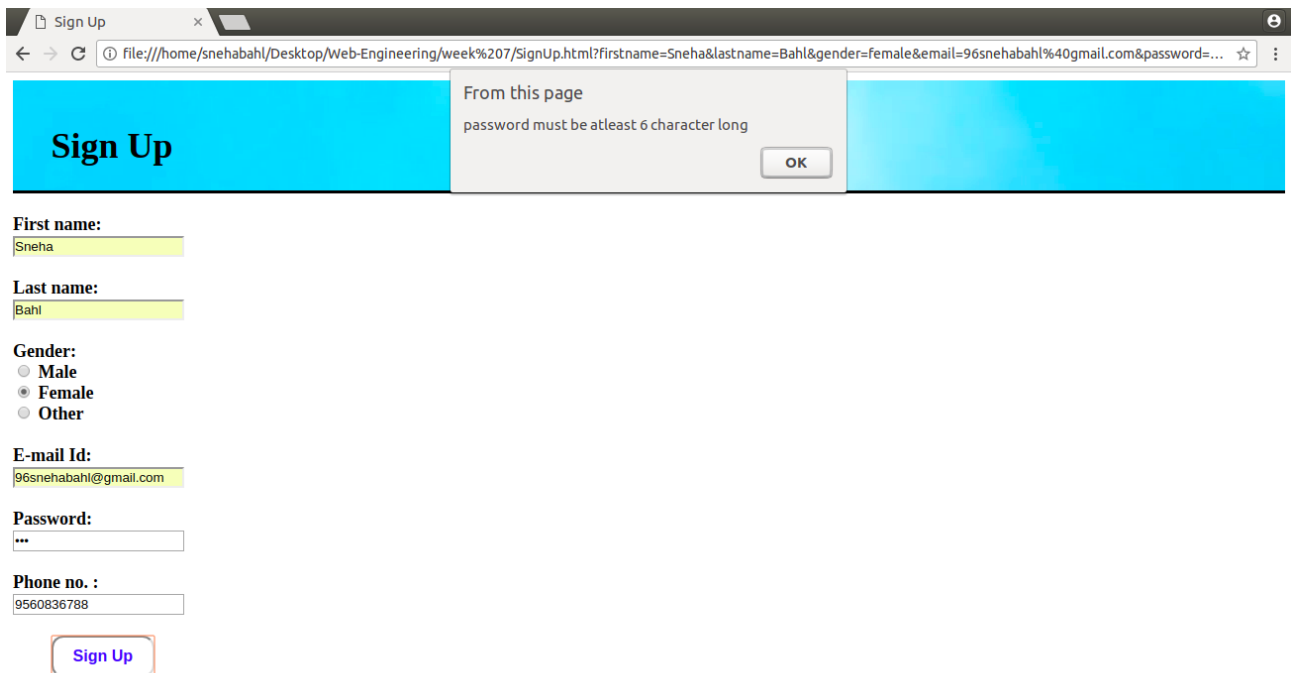
```
var stre = document.forms["SignUpForm"]["email"].value;
if (!(stre.match(/^\\w+([\\.-]?\\w+)*@\\w+([\\.-]?\\w+)*(\\.\\w{2,3})+$/))) {
    alert("Invalid email-id");
    return false;
}
```

The screenshot shows a web browser window with a single tab titled 'Sign Up'. The address bar displays a file path: `file:///home/snehabahl/Desktop/Web-Engineering/week%207/SignUp.html?firstname=whjdgj&lastname=guig&gender=female&email=90836%40gmail&email=khfksjd&pno=1...`. The page content features a large blue header with the text 'Sign Up'. Below the header, a light gray box contains the message 'From this page' and 'Invalid email-id', with an 'OK' button. The main form area includes the following fields and options:

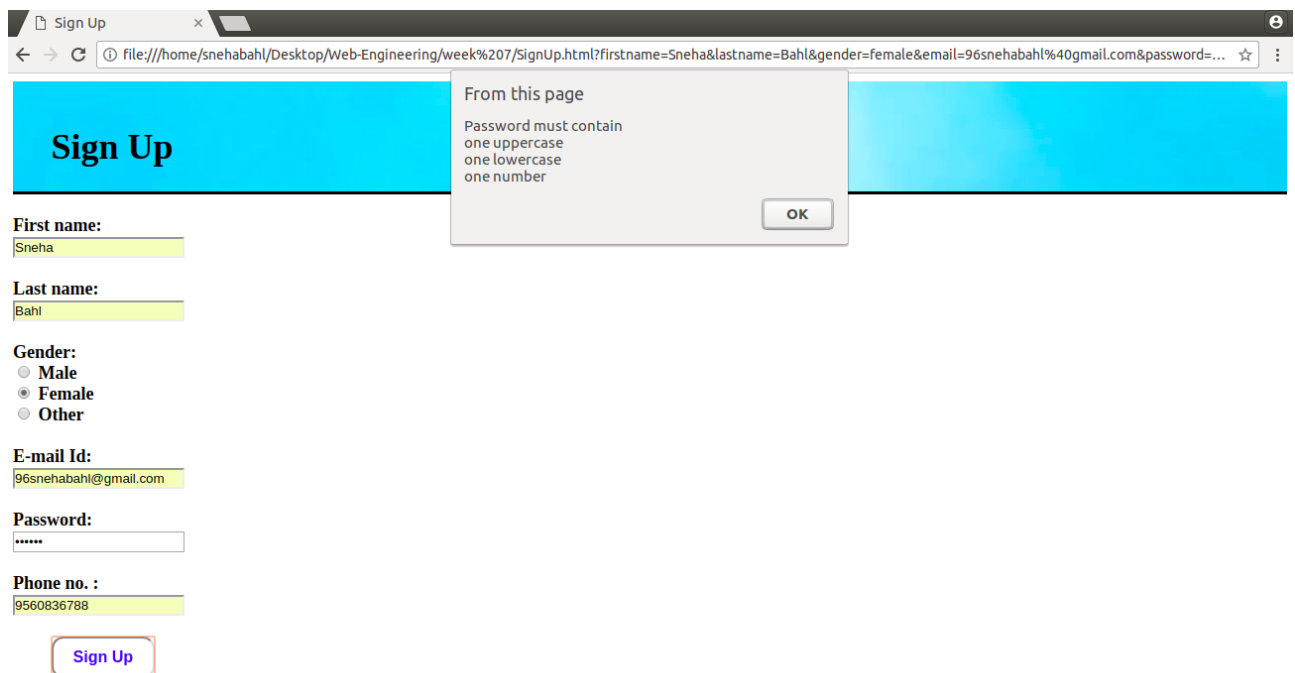
- First name:** A text input field containing 'Sneha'.
- Last name:** A text input field containing 'Bahl'.
- Gender:** Three radio button options: 'Male', 'Female' (which is selected), and 'Other'.
- E-mail Id:** A text input field containing '96snehabahl'.
- Password:** A text input field with masked characters '*****'.
- Phone no. :** An empty text input field.
- A 'Sign Up' button with a blue border and text.

Password validation

```
var strp = document.getElementById("pswd").value;
if(strp.length>5){
if (!(strp.match(/(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{6,}/))) {
    alert("Password must contain\none uppercase\none lowercase\none number");
    return false;
}
}
else
alert("password must be atleast 6 character long");
```



The screenshot shows a web browser window with a single tab titled 'Sign Up'. The address bar displays a file path: `file:///home/snehabahl/Desktop/Web-Engineering/week%207/SignUp.html?firstname=Sneha&lastname=Bahl&gender=female&email=96snehabahl%40gmail.com&password=...`. The page has a blue header with the text 'Sign Up'. Below the header, there is a form with the following fields: 'First name:' (Sneha), 'Last name:' (Bahl), 'Gender:' (radio buttons for Male, Female, Other; Female is selected), 'E-mail Id:' (96snehabahl@gmail.com), 'Password:' (masked with dots), and 'Phone no. :' (9560836788). A 'Sign Up' button is at the bottom. A grey error message box is overlaid on the right side of the form, stating: 'From this page password must be atleast 6 character long'. An 'OK' button is present in the error box.



This screenshot is identical to the one above, showing the same 'Sign Up' form and error message. The error message box is overlaid on the right side of the form, stating: 'From this page Password must contain one uppercase one lowercase one number'. An 'OK' button is present in the error box.

Phone number validation

```
var str = document.forms["SignUpForm"]["pno"].value;
if(str.length==10){
    if (!(str.match(/(7|8|9)\d{9}/))) {
        alert("Invalid mobile number");
        return false;
    }
}
else
alert("Mobile Number should be 10 digit");
```

The screenshot shows a web browser window titled 'Sign Up'. The address bar contains a file path. The page has a blue header with the text 'Sign Up'. Below the header, there is a form with the following fields: 'First name:' (Sneha), 'Last name:' (Bahl), 'Gender:' (radio buttons for Male, Female, Other), 'E-mail Id:' (96snehabahl@gmail.com), 'Password:' (masked with dots), and 'Phone no. : ' (1233). A 'Sign Up' button is at the bottom. A message box is displayed at the top right, stating 'From this page Mobile Number should be 10 digit' with an 'OK' button.

The screenshot shows the same 'Sign Up' form as above, but with a different validation message. The 'Phone no. : ' field now contains '1234567890'. The message box at the top right now states 'From this page Invalid mobile number' with an 'OK' button.

Add Date time

HTML:

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" type="text/css" href="SignUp.css">
<script type="text/javascript" src="date_time.js"></script>
<title>Sign Up</title>

</head>

<header>
<br>
<h1 style="margin-left:3%;">Sign Up</h1>
<p style="float:right;" id="date"></p>
</header>

<body>
<br>

<span id="date_time"></span>
<script type="text/javascript">window.onload = date_time('date_time');</script>
```

CSS:

```
#date_time{
float:right;
color:blue;
}
```

Javascript:

```
function date_time(id)
{
date = new Date;
year = date.getFullYear();
month = date.getMonth();
months = new Array('January', 'February', 'March', 'April', 'May', 'June', 'Jully', 'August', 'September', 'October', 'November',
'December');
d = date.getDate();
day = date.getDay();
days = new Array('Sunday', 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday');
h = date.getHours();
if(h<10)
{
h = "0"+h;
}
m = date.getMinutes();
if(m<10)
{
m = "0"+m;
}
s = date.getSeconds();
if(s<10)
{
s = "0"+s;
}
result = ''+days[day]+' '+months[month]+' '+d+' '+year+' '+h+':'+m+':'+s;
document.getElementById(id).innerHTML = result;
setTimeout('date_time("'+id+'");','1000');
return true;
}
```



Sign Up

First name:

Last name:

Gender:

- ☒ Male
- ☐ Female
- ☐ Other

Monday April 2 2018 15:22:42



Sign Up

First name:

Last name:

Gender:

- ☒ Male
- ☐ Female
- ☐ Other

Monday April 2 2018 15:23:02