

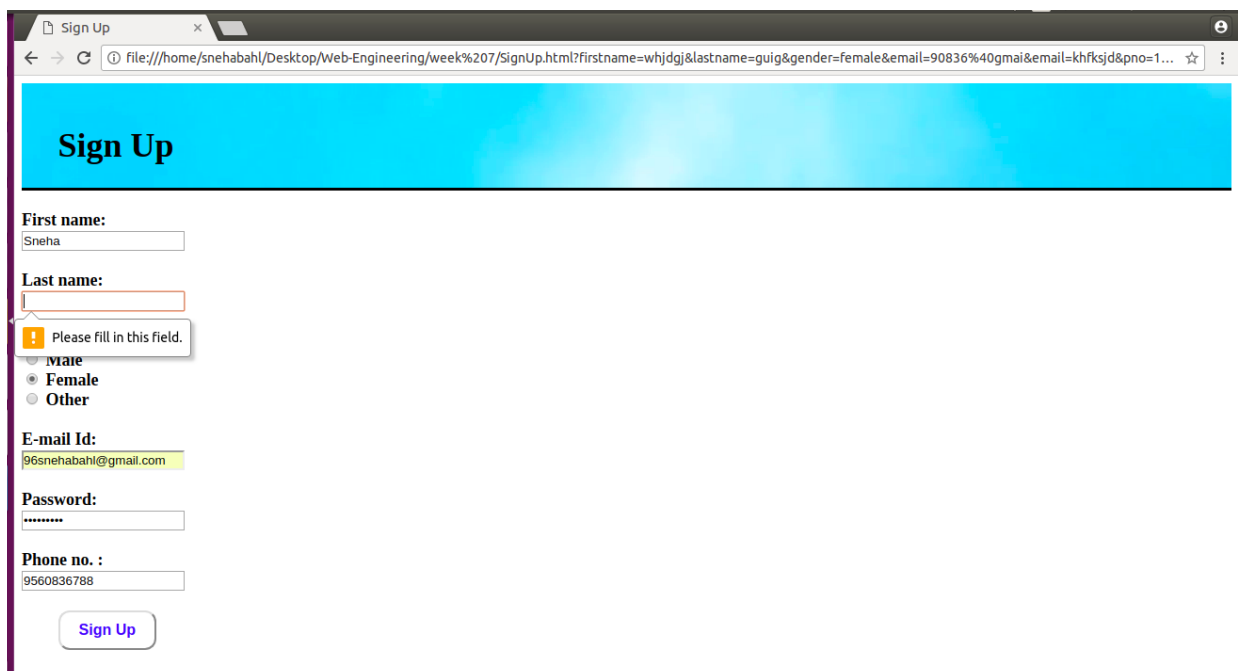
EXPERIMENT-7

AIM: To add validations to HTML form and add date time using javascript.

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 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 has a light blue header with the text "Sign Up". Below the header, the form contains the following fields and elements:

- First name:** A text input field containing the value "Sneha".
- Last name:** An empty text input field.
- Gender:** Three radio button options: "Male" (selected), "Female", and "Other".
- E-mail Id:** A text input field containing the value "96snehabahl@gmail.com".
- Password:** A password input field with masked characters "*****".
- Phone no. :** A text input field containing the value "9560836788".
- Sign Up button:** A rounded rectangular button with the text "Sign Up".

A validation error message is displayed as a yellow box with a red exclamation mark icon, stating "Please fill in this field." This message is positioned next to the "Last name" input field, indicating that this field is required and currently empty.

Email validation

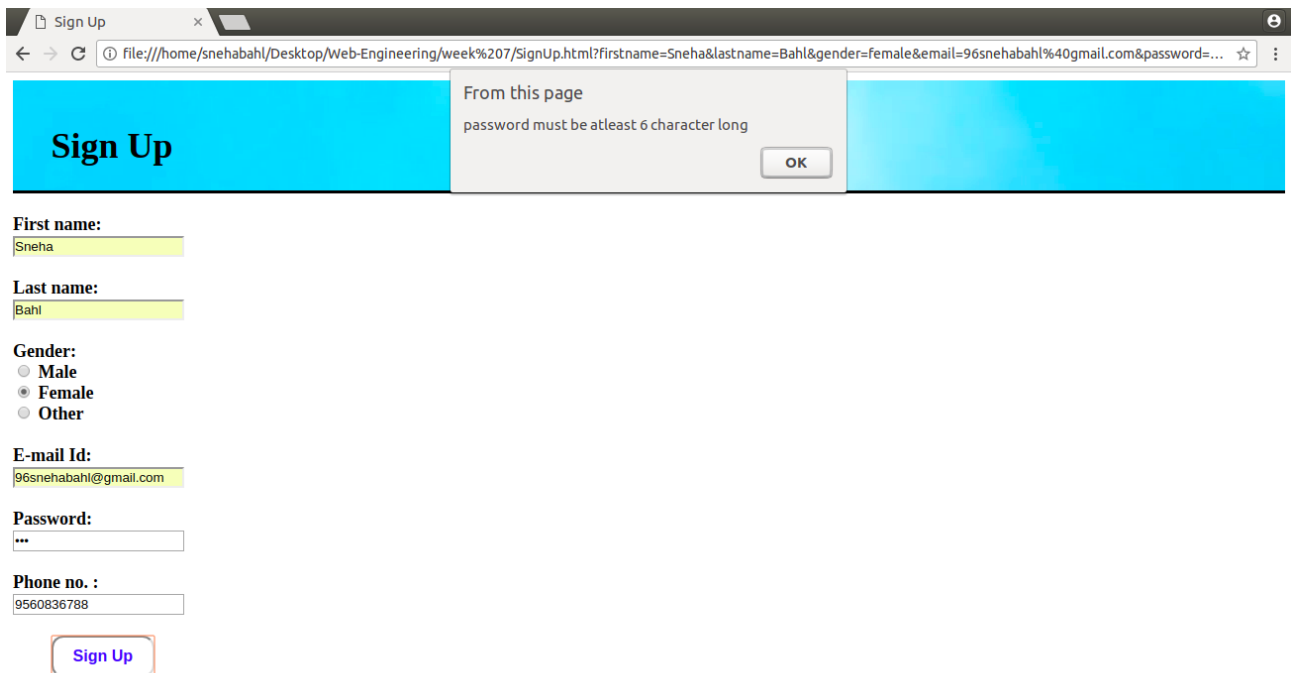
```
var stre = document.forms["SignUpForm"]["email"].value;
if (!(stre.match(/^\\w+([\\.-]?\\w+)*@\\w+([\\.-]?\\w+)*(\\.\\w{2,3})+$/))) {
    alert("Invalid email-id");
    return false;
}
```

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 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:

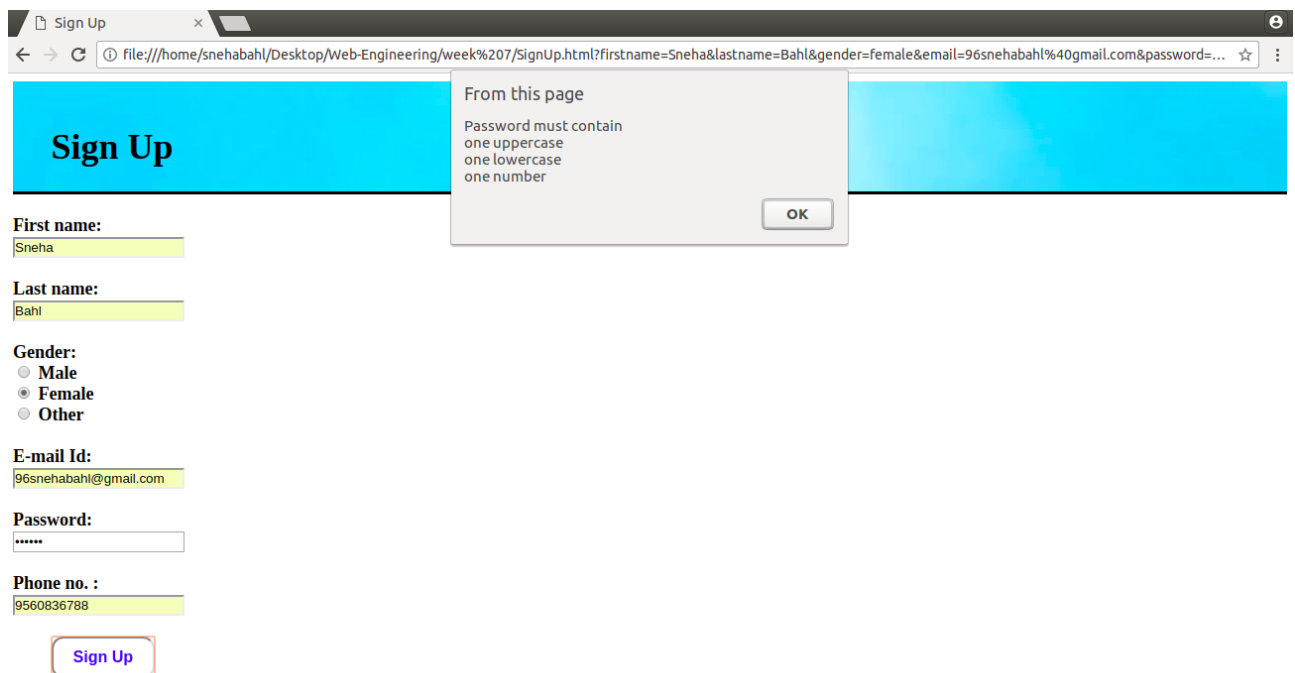
- First name:** A text input field containing 'Sneha'.
- Last name:** A text input field containing 'Bahl'.
- Gender:** Three radio button options: 'Male', 'Female' (which is selected), and 'Other'.
- E-mail Id:** A text input field containing '96snehabahl'.
- Password:** A text input field with masked 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 form, stating: 'From this page password must be atleast 6 character long'. An 'OK' button is in the bottom right of 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 positioned slightly differently, but the content remains the same: 'From this page Password must contain one uppercase one lowercase one number'. The 'OK' button is also present.

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 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 light gray box containing the message 'From this page Mobile Number should be 10 digit' and an 'OK' button. The form fields are as follows:

- First name:** Sneha
- Last name:** Bahl
- Gender:** ☐ Male, ☒ Female, ☐ Other
- E-mail Id:** 96snehabahl@gmail.com
- Password:** (masked with dots)
- Phone no. :** 1233

A 'Sign Up' button is located at the bottom of the form.

The screenshot shows the same web browser window as above, but with a different validation message: 'From this page Invalid mobile number'. The form fields are now filled with a 10-digit number:

- First name:** Sneha
- Last name:** Bahl
- Gender:** ☐ Male, ☒ Female, ☐ Other
- E-mail Id:** 96snehabahl@gmail.com
- Password:** (masked with dots)
- Phone no. :** 1234567890

The 'Sign Up' button remains at the bottom of the form.

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:

Monday April 2 2018 15:22:42

Last name:

Gender:

- ☒ Male
- ☐ Female
- ☐ Other



Sign Up

First name:

Monday April 2 2018 15:23:02

Last name:

Gender:

- ☒ Male
- ☐ Female
- ☐ Other