

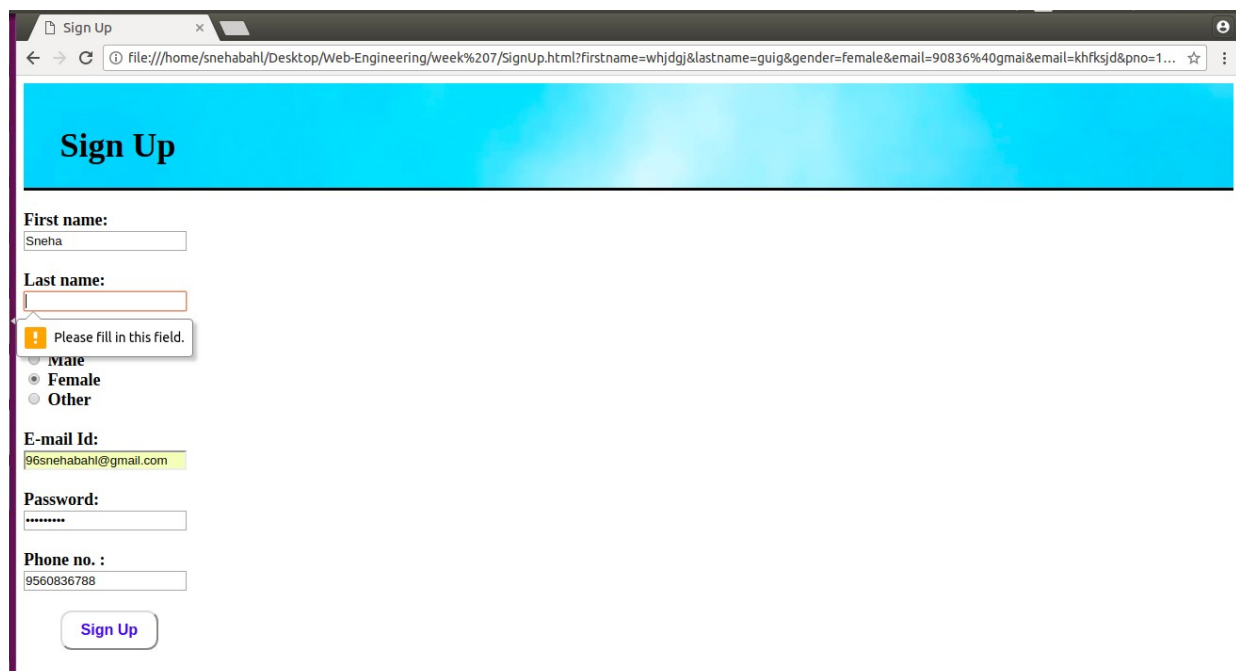
## EXPERIMENT-7

**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>
```

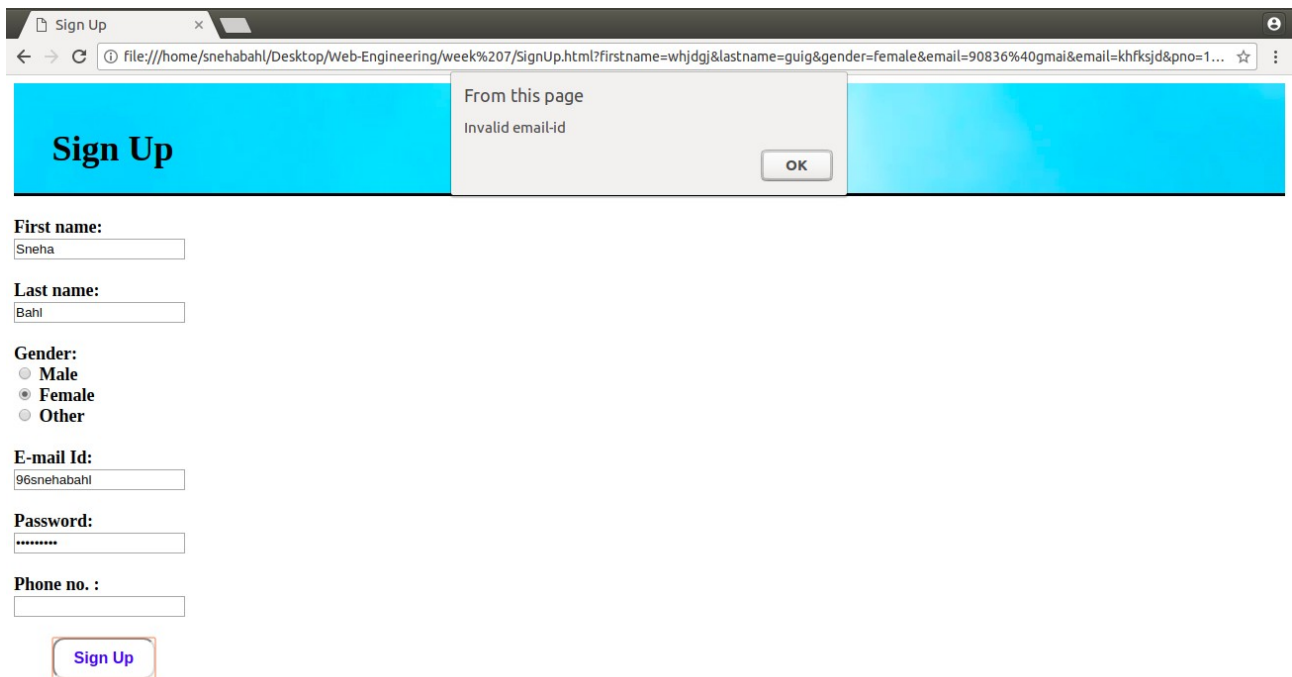


The screenshot shows a web browser window with a single tab titled "Sign Up". The address bar displays a file path: `file:///home/snehabahl/Desktop/Web-Engineering/week%207/SignUp.html?firstname=whjdgj&lastname=guig&gender=female&email=90836%40gmail&email=khfksjd&pno=1...`. The page has a blue header 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". A yellow tooltip with an exclamation mark icon and the text "Please fill in this field." is positioned over the "Male" option.
- 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:** A blue button with white text.

## 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;
}
```

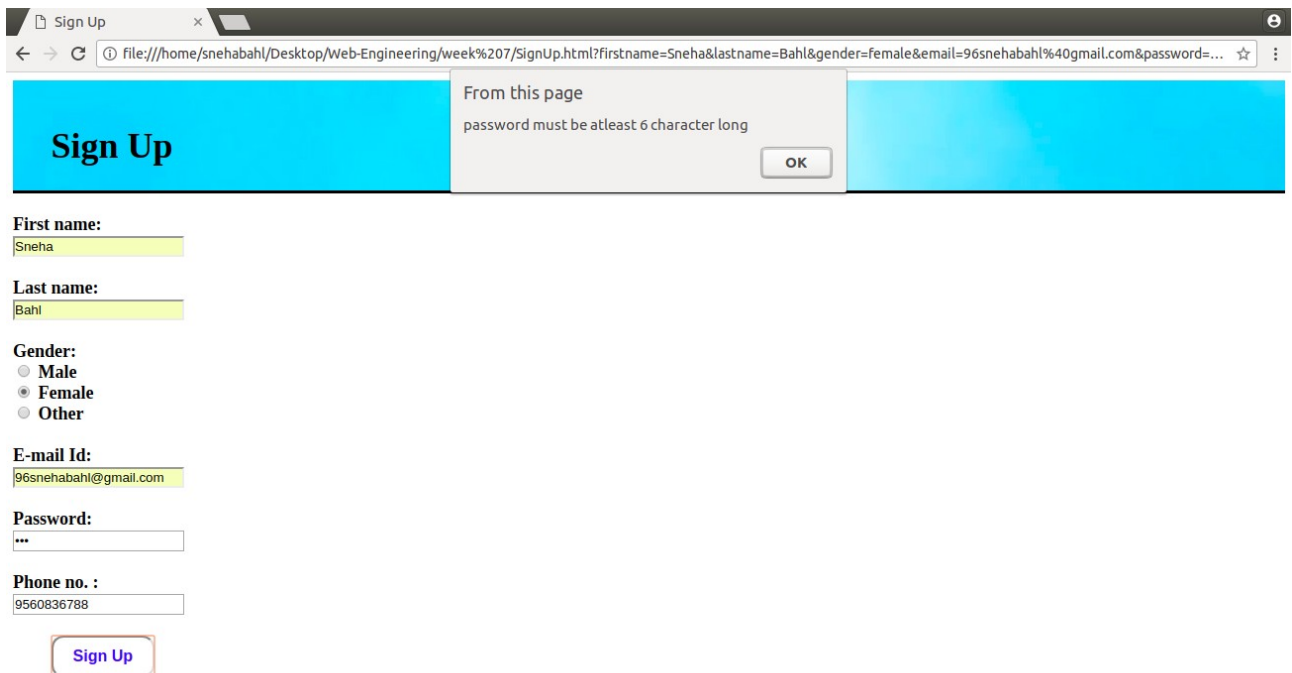


The screenshot shows a web browser window with a single tab titled 'Sign Up'. The address bar displays a file path: `file:///home/snehabahl/Desktop/Web-Engineering/week%207/SignUp.html?firstname=whjdgj&lastname=guig&gender=female&email=90836%40gmail&email=khfksjd&pno=1...`. The page content features 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:

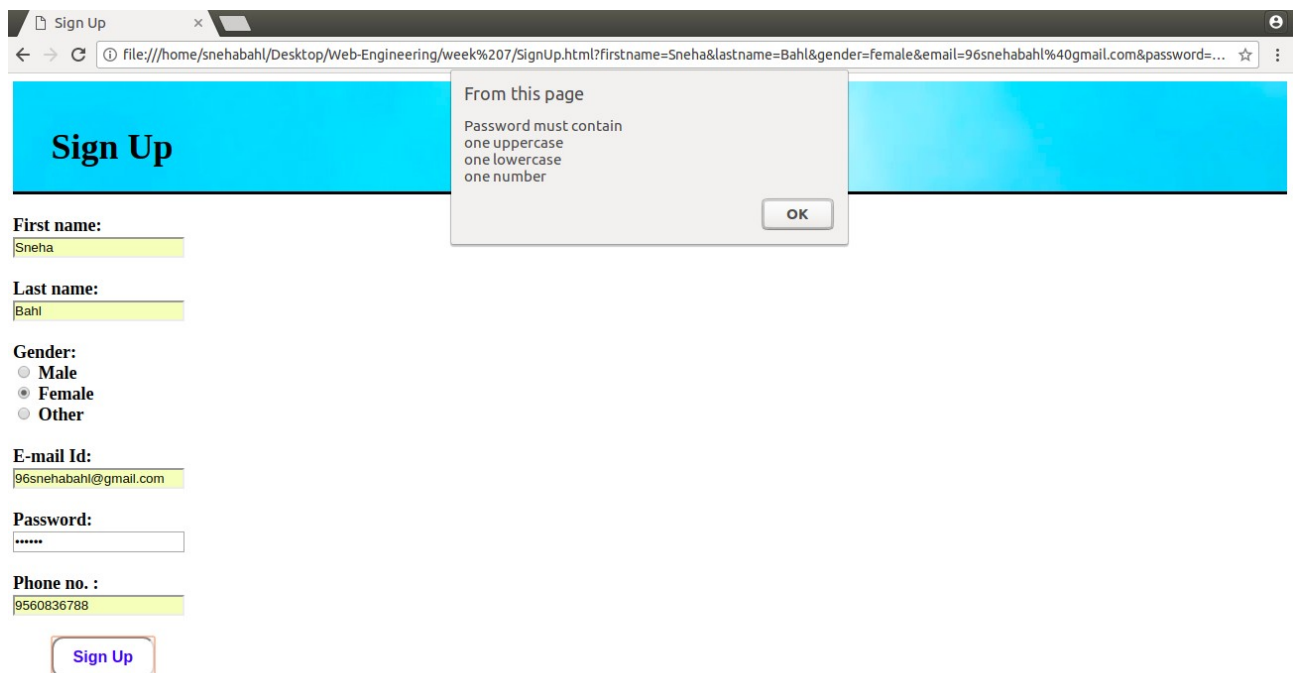
- First name:** A text input field containing 'Sneha'.
- Last name:** A text input field containing 'Bahl'.
- Gender:** Three radio button options: 'Male', 'Female' (which is selected), and 'Other'.
- E-mail Id:** A text input field containing '96snehabahl'.
- Password:** A text input field with masked 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 form, stating: 'From this page password must be atleast 6 character long'. An 'OK' button is in the bottom right of the error box.



The screenshot shows the same web browser window as above, but with a different error message. The error message box now states: 'From this page Password must contain one uppercase one lowercase one number'. The rest of the form and the 'Sign Up' button remain the same.

## 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 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 light blue header with the text 'Sign Up' on the left and a white box on the right containing the message 'From this page Mobile Number should be 10 digit' with an 'OK' button. Below the header, the form fields are: 'First name:' with 'Sneha', 'Last name:' with 'Bahl', 'Gender:' with 'Female' selected, 'E-mail Id:' with '96snehabahl@gmail.com', 'Password:' with masked characters, and 'Phone no. :' with '1233'. A 'Sign Up' button is at the bottom.

This screenshot shows the same 'Sign Up' form as above, but with the phone number changed to '1234567890'. The validation message in the white box now reads 'From this page Invalid mobile number'. All other form fields and the 'Sign Up' button remain the same.