Contents

Page

1   Assignment-1

1.1   HTML form

```
1  <html>
2   <head>
3     <link rel="stylesheet" href="style.css">
4     <script type="text/javascript" src="form.js"></script>
5   </head>
6   <body>
7    <div class="form">
8      <form id="myForm" >
9       <h2> Sign Up</h2>
10      FirstName:
11      <input type="text"name="firstName"id="firstName">
12      <br> <span id="firstValidation" class="validation">
13      </span>
14      <br><br> LastName:
15      <input type="text" name="lastName" id="lastName">
16      <br><span id="secondValidation" class="validation">
17      </span>
18      <label for="gender"> Gender: </label> <br>
19      <input type="radio" name="gender" id="male" checked>male
20      <input type="radio" name="gender" id="female"> female
21      <div style="display:block;">Tshirt size-
22        <select name="tshirtColor" id="dropDown">
23         <option value="small"> Small </option>
24         <option value="medium" selected>  Medium </option>
25         <option value="large"> Large </option>
26        </select><br><br>Tshirt color-
27        <select name="tshirtColor" id="dropDown">
28         <option value="small"> red </option>
29         <option value="medium" selected>  blue </option>
30         <option value="large"> yellow </option>
31        </select>
32      </div><br>email :<input type="email" name="Email" id="Email">
33      <span id="emailValidation" class="validation"></span>password:
34      <input type="password" name="password" id="password">
35      <br><br> <br>
36      phone number: <input type="tel" id = "phno">
37      <br><span id="phoneValidation" class="validation"></span>
38      Address: <br>
39      <textarea name="Address" id="address" cols="30" rows="10">
40      </textarea>
41      <br><span id="addressValidation"></span> <br>
42      <div class="buttonholder">
43       <input type="submit"value="Submit"id="submit" onclick="validate();">
44       <input type="reset"value="Reset"id="reset" onclick="resetFields();">
45      </div>
46     </form>
47    </div>
48   </body>
49  </html>
```

1.2   JavaScript

```
 1  function validate (){
 2   var firstName = document.getElementById("firstName").value;
 3   var lastName = document.getElementById("lastName").value;
 4   var ph = document.getElementById("phno").value;
 5   var email = document.getElementById("Email").value;
 6   var password = document.getElementById("password").value;
 7   var regex=/^[a-zA-z]+$/;
 8   var phn=/^[0-9]{10}$/;
 9   var e=/^([a-zA-Z0-9_\-\.])$/;
10   var flag=true;
11   if(firstName=="")
12   {
13    document.getElementById("firstValidation").innerHTML = "";
14   }
15   if(lastName=="")
16   {
17    document.getElementById("secondValidation").innerHTML = "";
18   }
19   console.log("inside validate");
20   if(firstName!="" || lastName!="")
21   {
22    if(regex.test(firstName)== false)
23    {
24     document.getElementById("firstValidation").innerHTML="xyz";
25     document.getElementById("firstName").value="";
26     flag=false;
27    }
28    if(regex.test(lastName)== false)
29    {
30     document.getElementById("secondValidation").innerHTML ="xyz";
31     document.getElementById("lastName").value="";
32     flag=false;
33    }
34    if(firstName.length >40)
35    {
36     document.getElementById("firstValidation").innerHTML = "xyz"
37     document.getElementById("firstName").value="";
38     flag=false;
39    }
40    if(lastName.length >40)
41    {
42     document.getElementById("secondValidation").innerHTML="xyz";
43     document.getElementById("lastName").value="";
44     flag=false;
45    }
46   }
47   if(ph!="")
48   {
49    if(phn.test(ph)==false)
50    {
51     document.getElementById("phoneValidation").innerHTML="10digit";
52     document.getElementById("phno").value="";
53     flag=false;
```

```
54    }
55   }
56   else
57   {
58    document.getElementById("phoneValidation").innerHTML = "";
59   }
60   if(email!="")
61   {
62    if(e.test(email)==false)
63    {
64     document.getElementById("emailValidation").innerHTML ="email id";
65     document.getElementById("Email").value="";
66     flag=false;
67    }
68   }
69   else
70   {
71     document.getElementById("emailValidation").innerHTML = "";
72   }
73   if(flag&&firstName!=""&&lastName!=""&& ph!="")
74   {
75     document.write("Form successfully submitted");
76     setTimeout(function() {
77     window.location.reload(true);
78     }, 3000);
79   }
80 }
81 function resetFields(){
82  window.location.reload(true);
83 }
```

1.3   CSS

```
1  body{
2      background: #5b5f63;
3      font-size: 20px;
4      width: 95%;
5      height: 95%;
6  }
7  body *{
8      box-sizing: border-box;
9  }
10 div.form
11 {
12     display: block;
13     text-align: center;
14     background: rgba(248, 248, 248, 0.815);
15     margin-left: 500px;
16     margin-right: 500px;
17     margin-top: 50px;
18     margin-bottom: 50px;
19     width: 45%;
20     -webkit-border-radius: 5px;
21     -moz-border-radius: 5px;
```

```
22 }
23 h2
24 {
25     text-align: center;
26     width: 100%;
27 }
28 input{
29     padding: 10px;
30     border: 2px solid #e7e7e7;
31     -webkit-border-radius: 5px;
32     -moz-border-radius: 5px;
33     border-radius: 5px;
34 }
35 form
36 {
37     display: inline-block;
38     margin-left: auto;
39     margin-right: auto;
40     text-align: left;
41     width: 60%;
42
43 }
44 input[type=radio]:not(old){
45     display: inline-block;
46     line-height: 24px;
47     border: 0.0625em solid rgb(209, 19, 19);
48 }
49 #email{
50     width: 90%;
51 }
52 #password{
53     width: 90%;
54 }
55 #firstName{
56     margin-top: 40px;
57     width: 90%;
58 }
59 #phno{
60     width: 90%;
61 }
62 #lastName{
63     width: 90%;
64 }
65 #address{
66     width: 100%;
67 }
68 .buttonholder{
69     text-align: center;
70 }
71 .buttons{
72     height: auto;
73     font-size: 22px;
74     font-weight: 500;
75     padding: 30px;
76     width: 50%;
```

```
 77        text-align: center;
 78        color: white;
 79        background: #15CD72;
 80        border: 1;
 81        cursor: pointer;
 82        margin-bottom: 0;
 83  }
 84  .validation{
 85        margin-left: 110px;
 86        color: rgba(250, 3, 3, 0.45);
 87        font-size: x-small;
 88  }
 89  .buttons:hover{
 90        background-color: #9696E2;
 91  }
 92  .buttons:active {
 93        background-color:#9595E7;
 94        box-shadow: 0 5px #666;
 95        transform: translateY(4px);
 96     }
 97     #phonevalidation{
 98           margin-left: 136px;
 99     }
100  #submit{
101        float: left;
102  }
103  #reset{
104        float:right;
105  }
```
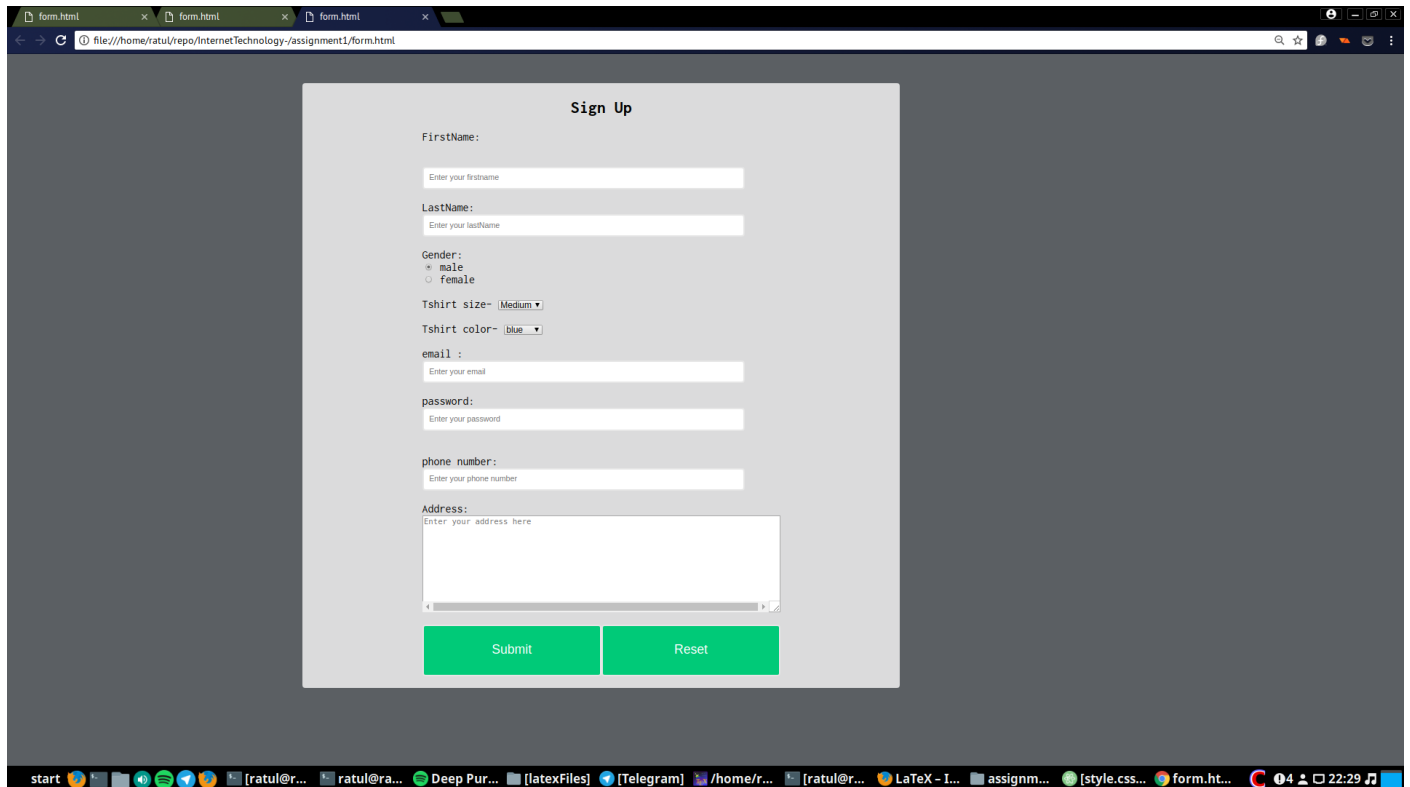

Figure 1: form.html

2   Assignment-2

2.1   Applet