

NAME: FAIZAN NAZIR

ARID NO: 19-ARID-5157

Assignment: 04

Registration Form

Address:

Father Name:

Upload File/Image: No file chosen

DOB:

Qualification:

Institute/Board:

Passing Year:

Percentage: %

Hobbies: ☐ Reading ☐ Traveling ☐ Sketching

Zip Code:

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Registration Form Validation</title>
8      <link rel="stylesheet" href="form.css">
9      <script src="form.js"></script>
10 </head>
11 <body>
12 <div id="main">
13     <h1>NAME: FAIZAN NAZIR</h1>
14     <h1>ARID NO: 19-ARID-5157</h1>
15     <h1>Assignment: 04</h1>
16
17
18     <form action="" method="post" onsubmit="return(validate())">
19         <caption>Registration Form</caption>
20         <div class="item" id="addressbox">
21             <label for="address">Address:</label>
22             <textarea name="address" id="address" cols="30"></textarea>
23         </div>
24         <div class="item">
25             <label for="father-name">Father Name:</label>
26             <input type="text" id="father-name" >
27         </div>
28         <div class="item">
29             <label for="file-upload">Upload File/Image:</label>
30             <input type="file" id="file-upload" >
31         </div>
32         <div class="item">
33             <label for="dob">DOB:</label>
34             <input type="date" id="dob" >
35         </div>
36         <div class="item">
37             <label for="qualification">Qualification:</label>
38             <select id="qualification" >
39                 <option value="ssc">SSC</option>
40                 <option value="hssc">HSSC</option>
41                 <option value="bs">BS</option>
42                 <option value="ms">MS</option>
43                 <option value="phd">PHD</option>
44             </select>
45         </div>
46         <div class="item">
47             <label for="institute">Institute/Board:</label>
48             <input type="text" id="institute" >
49         </div>
50         <div class="item">
51             <label for="passing-year">Passing Year:</label>
52             <input type="text" id="passing-year" >
53         </div>
54         <div class="item">
55             <label for="percentage">Percentage:</label>
56             <input type="number" id="percentage" min="0" max="100"> <b>%</b>
57         </div>
58         <div class="item" id="hobbies">
59             <label>Hobbies:</label>
60             <input type="checkbox" id="reading" value="reading" >
61             <label for="reading">Reading</label>
62             <input type="checkbox" id="traveling" value="traveling">
63             <label for="traveling">Traveling</label>
64             <input type="checkbox" id="sketching" value="sketching">
65             <label for="sketching">Sketching</label>
66         </div>
67         <div class="item">
68             <label for="zip-code">Zip Code:</label>
69             <input type="text" id="zip-code" >
70         </div>
71         <input type="submit" value="Submit">
72     </form>
73 </div>
74 </body>
75 </html>

```

```
1
2  body
3  {
4      width: 100%;
5      height: 100%;
6  }
7  #main
8  {
9      display: flex;
10     flex-direction: column;
11     text-align: center;
12     align-items: center;
13 }
14 }
15 form
16 {
17     margin: 40px;
18     background-color: lightgreen;
19     display: flex;
20     flex-direction: column;
21     justify-content: center;
22     text-align: center;
23     align-items: center;
24     width: 500px;
25     padding: 30px;
26 }
27
28 .item
29 {
30     margin: 15px;
31 }
32 label
33 {
34     font-size: larger;
35     margin-right: 20px;
36 }
37
38 input[type="text"],
39 input[type="email"],
40 input[type="password"],
41 input[type="number"],
42 input[type="file"],
43 input[type="date"]
44 {
45     width: 250px;
46     border-radius: 15px transparent;
47     margin-left: 5px;
48     padding-left: 5px;
49     text-overflow: hidden;
50 }
51
52 input[type="submit"]
53 {
54     font-size: larger;
55     width: 150px;
56     border-radius: 25px;
57     text-align: center;
58     margin-bottom: 15px;
59     height: 50px;
60     background-color: blue;
61     color: white;
62 }
63
64 #hobbies
65 {
66     display: flex;
67     justify-content: space-around;
68 }
69 }
70 #addressbox
71 {
72     display: flex;
73 }
```

```

1
2 function validate()
3 {
4
5     const address = document.querySelector("#address");
6     const fatherName = document.querySelector("#father-name");
7     const fileUpload = document.querySelector("#file-upload");
8     const dob = document.querySelector("#dob");
9     const qualification = document.querySelector("#qualification");
10    const institute = document.querySelector("#institute");
11    const passingYear = document.querySelector("#passing-year");
12    const percentage = document.querySelector("#percentage");
13    const hobbies = document.querySelectorAll('input[type="checkbox"]');
14    const zipCode = document.querySelector("#zip-code");
15
16
17    if(address.value.trim==="")
18    {
19        alert("Please enter your address");
20        address.focus();
21        return false;
22    }
23    if (!address.value.trim().match(/[A-Z a-z 0-9]{15,70}/))
24    {
25        alert("Invalid address! Address Should contain Alphabets and number only special characters not allowed");
26        address.focus();
27        return false;
28    }
29
30
31    if (fatherName.value.trim()=== "") {
32        alert("Please enter your father's name");
33        fatherName.focus();
34        return false;
35    }
36
37    if (!fatherName.value.trim().match(/[A-Z a-z]{3,12}/))
38    {
39        alert("Invalid! Father Name should contain only Alphabets and should be between 3-12 characters");
40        fatherName.focus();
41        return false;
42    }
43
44    if(fileUpload.files[0]){
45        alert("Please upload the file");
46        fileUpload.focus();
47        return false;
48    }
49
50    if(fileUpload.files[0]){
51        var fileType = fileUpload.files[0].type;
52        var validFileTypes = ["image/jpeg", "image/png", "image/jpg"];
53        if(validFileTypes.indexOf(fileType) < 0){
54            alert("Invalid file type. Only jpeg, png, jpg files are allowed.");
55            fileUpload.focus();
56            return false;
57        }
58    }
59
60
61
62    if (dob.value.trim()=== "" ) {
63        alert("Please enter your DOB");
64        dob.focus();
65        return false;
66    }
67    var date = new Date(dob.value);
68
69    if (isNaN(date.getTime())) {
70
71        alert("Please enter correct DOB");
72        dob.focus();
73        return false;
74    }
75
76
77    if (qualification.value.trim()=== "") {
78        alert("Please select your qualification");
79        qualification.focus();
80        return false;
81    }
82
83    if (institute.value.trim()=== "") {
84        alert("Please enter your institute/board name");
85        institute.focus();
86        return false;
87    }
88    if (institute.value.match(/[A-Z a-z]{3,20}/)) {
89        alert("Please enter valid institute/board name");
90        institute.focus();
91        return false;
92    }
93
94    if (passingYear.value.trim()=== "" ) {
95        alert("Please enter your passing year");
96        passingYear.focus();
97        return false;
98    }
99
100    if (!passingYear.value.trim().match(/(1-2)[0-9]{3}/)) {
101        alert("Please enter valid passing year");
102        passingYear.focus();
103        return false;
104    }
105
106
107    if (percentage.value.trim()<0.0 || percentage.value.trim()>100.0 || percentage.value.trim()=== "") {
108        alert("Please enter your percentage");
109        percentage.focus();
110        return false;
111    }
112
113
114    let hobbiesSelected = false;
115    hobbies.forEach(function (hobby) {
116        if (hobby.checked) {
117            hobbiesSelected = true;
118        }
119    });
120    if (hobbiesSelected) {
121        alert("Please select at least one hobby");
122        hobbies.focus();
123        return false;
124    }
125
126
127    if (zipCode.value.trim() === "" || zipCode.value.trim().length<5 ) {
128        alert("Please enter your zip code");
129        zipCode.focus();
130        return false;
131    }
132    const zipregex = /[0-9]{5}/
133
134    if (!zipCode.value.match(zipregex)) {
135        alert("Please enter a valid zip code");
136        zipCode.focus();
137        return false;
138    }
139    return true;
140 }

```