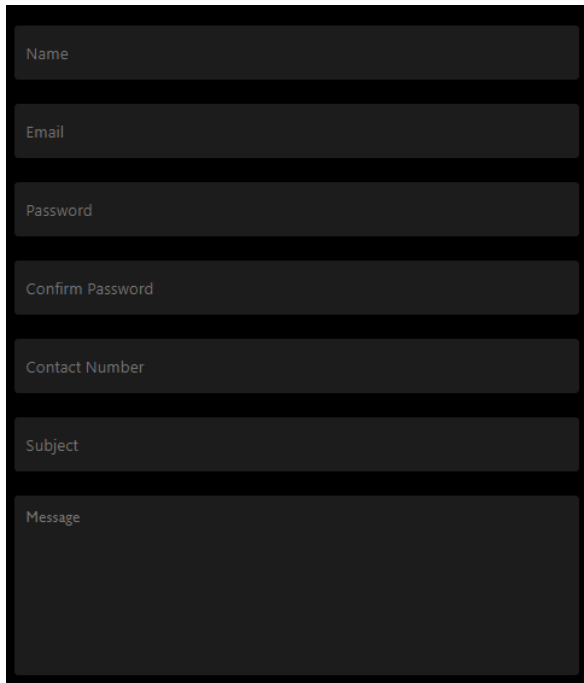


CLIENT SIDE SCRIPTING (22519)

Practical No. 08: Create web page to implement Form Events .Part II

Roll No.: 220447

1. Write a program to create a form with all HTML elements and perform basic validation on it.



Name

Email

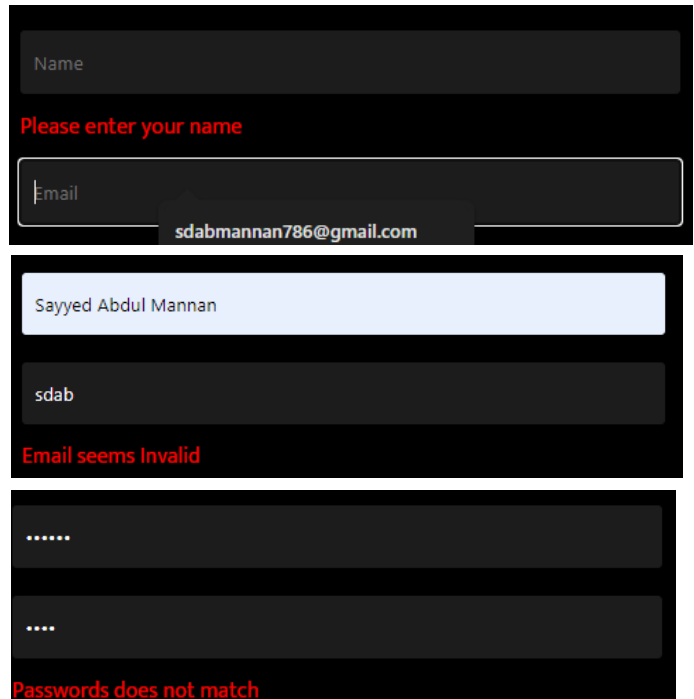
Password

Confirm Password

Contact Number

Subject

Message



Name

Please enter your name

Email

sdabmannan786@gmail.com

Sayyed Abdul Mannan

sdab

Email seems Invalid

.....

....

Passwords does not match



917261096

Invalid Number! Length must be exact 10

```
<!DOCTYPE html>
<html lang="en">
<head>
<link rel="stylesheet"
href="validstyle.css" />
</head>
<body>
<div class="form-page">
<h2 class="get-in-
touch"> get in touch with us </h2>
<form class="contact-
form">
<input name="Name"
id="name" placeholder="Name"
type="text" class="inputs form-
elements-size" required>
<span class="warning-
text" id="invalid-name"></span>
<input name="Email"
id="email" placeholder="Email"
type="email" class="inputs form-
```

```
elements-size" onclick="return
validate()" required>
<span class="warning-
text" id="invalid-email"></span>
<input name="Password"
id="password" placeholder="Password"
type="password" class="inputs form-
elements-size" onclick="return
validate()" required>
<span class="warning-
text" id="invalid-pw"></span>
<input
name="ConfirmPassword"
id="confirmpassword"
placeholder="Confirm Password"
type="password" class="inputs form-
elements-size" onclick="return
validate()" required>
<span class="warning-
text" id="invalid-pw2"></span>
```

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```

        <input
name="PhoneNumber" id="phonenumber"
placeholder="Contact Number"
type="number" class="inputs form-
elements-size" onclick="return
validate()" required>
        <span class="warning-
text" id="invalid-number"></span>
        <input name="Subject"
id="subject" placeholder="Subject"
type="text" class="inputs form-elements-
size" onclick="return validate()"
required>
        <textarea
name="Message" id="message"
placeholder="Message" type="text"
class="form-elements-size"
required></textarea>
        <input
type="submit" class="send-button
form-elements-size" value="send
message" onclick="return
validate()">
    </form>
</div>
</div>
<script
src="validscript.js"></script>
</body>
</html>
```

validscript.js

```
function select(identifier){
    return document.querySelector(identifier);
}
function selectAll(identifier){
    return document.querySelectorAll(identifier);
}
function display(id,show=true){
    if(show)
        id.style.display = "block";
    else
        id.style.display = "none";
}
function showWarning(id, warningMessage){
    changeContent(id, warningMessage);
    display(id);
}
function changeContent(id,content){
    id.textContent = content;
}
function validate(){
    let name = select('#name').value;
    let email = select('#email').value;
    let pw1 = select('#password').value;
    let pw2 = select('#confirmpassword').value;
    let phno = select('#phonenumber').value;

    let invalidName = select('#invalid-name');
    let invalidEmail = select('#invalid-email');
    let invalidPassword = select('#invalid-pw');
    let invalidPassword2 = select('#invalid-pw2');
    let invalidNumber = select('#invalid-number');

    if(name==null || name==""){
        showWarning(invalidName, "Please enter your name");
    }
```

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```
        return false;
    }
    else if(name.length<=2 || name.length>=30){
        showWarning(invalidName, "Name length should be greater than 2 and less
than 30");
        return false;
    }
    else if(!isNaN(name)){
        showWarning(invalidName, "Name should contain only characters");
        return false;
    }
    else{
        display(invalidName, false);
        // return true;
    }
}

if(email==null || email==""){
    return true;
}
else if(email[email.length-3]!='.' && email[email.length-4]!='.'){
    showWarning(invalidEmail, "Email seems Invalid");
    console.log(email[email.length-2], " ", email[email.length-3]);
    return false;
}
else{
    display(invalidEmail, false);
}

if(pw1==null || pw1==""){
    return true;
}
else if(pw1.length<=4 || pw1.length>=13){
    showWarning(invalidPassword, "Password length should be between 5 and
13");
    return false;
}
else{
    display(invalidPassword, false);
}

if(pw2==null || pw2==""){
    return true;
}
else if(pw1!=pw2){
    showWarning(invalidPassword2, "Passwords does not match");
    return false;
}
else{
    display(invalidPassword2, false);
}

if(phno==null || phno==""){
    return true;
```

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```
    }
    else if(phno.length!=10){
        showWarning(invalidNumber, "Invalid Number! Length must be exact 10");
        return false;
    }
    else{
        display(invalidNumber, false);
    }
    return true;
}
```

2. Write a program to change option list dynamically.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <style>
        *{
            font-family:"Roboto", sans-serif;
            font-size:16px;
            line-height:19px;
        }
    </style>
    <title>Change attribute dynamically</title>
</head>
<body>
    <h3 id="status"> STATUS </h3>
    <form action="" name="form1">
        <select name="languages" id="languages" onchange="showStatus()">
            <option value="1">C</option>
            <option value="2">C++</option>
            <option value="3">Java</option>
        </select>
        <button type="button" onclick="addValue()"> Add value </button>
        <button type="button" onclick="removeValue()"> Remove selected Value
    </button>
    </form>
    <script>
        var select = document.forms.form1.languages;
        var h3 = document.getElementById('status');
        function showStatus(){
            h3.textContent = `${select[select.selectedIndex].text}
selected`;
        }
        function addValue(){
            let newValue = prompt("Enter new Value");
            let option = document.createElement('option');
            option.text = newValue;
```

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```
        select.add(option);
        h3.textContent = `${newValue} added.`;
    }
    function removeValue(){
        let selectedValue = select[select.selectedIndex];
        select.remove(select.selectedIndex);
        h3.textContent = `${selectedValue.text} removed.`;
    }
</script>
</body>
</html>
```

STATUS

C Add value Remove selected Value

Java selected

Java Add value Remove selected Value

STATUS

C Add value Remove selected Value

C

C++

Java

Java selected

Java Add value Remove selected Value

127.0.0.1:3000 says

Enter new Value

JavaScript

OK Cancel

JavaScript added.

Java Add value Remove selected Value

C

C++

Java

JavaScript

Java removed.

C Add value Remove selected Value

C

C++

JavaScript