

# MAJOR PROJECT-FORM VALIDATION

## INDEX.HTML

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <title>Form Validation</title>

    <link rel="stylesheet" href="style.css" />

  </head>

  <body>

    <div class="container">

      <form action="#" id="form" class="form" autocomplete="off">

        <h3>Registration Form</h3>


        <div class="form-group">

          <label for="username">User Name</label>

          <input type="text" id="username" data-name="User Name" placeholder="Enter User Name" />

          <p>Error Message</p>

        </div>

        <div class="form-group">

          <label for="email">Email</label>

          <input type="text" id="email" data-name="Email Id" placeholder="Enter Email Id" />

          <p>Error Message</p>

        </div>

        <div class="form-group">

          <label for="phoneno">Phone Number</label>

          <input type="tel" id="phoneno" data-name="phoneno" placeholder="phoneno" />

          <p>Error Message</p>

        </div>

      </form>

    </div>

  </body>

</html>
```

```

    </div>

    <div class="form-group">

        <label for="password">Password</label>

        <input type="password" id="password" placeholder="Enter password" data-name="Password"
    />

        <p>Error Message</p>

    </div>

    <div class="form-group">

        <label for="password2">Confirm Password</label>

        <input type="password" id="password2" placeholder="Enter Confirm Password" data-
name="Confirm Password" />

        <p>Error Message</p>

    </div>

    <button type="submit">Submit</button>

</form>

</div>

<script src="js/script.js"></script>

</body>

</html>

```

## STYLE.CSS

```

@import
url("https://fonts.googleapis.com/css2?family=Poppins:wght@100;300;400;500;600;700;800&displa
y=swap");

```

```

* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

    font-family: "Poppins", sans-serif;

}

```

```

body {

```

```
width: 100vw;
height: 100vh;
background-color: palegreen;
display: grid;
place-items: center;
}
```

```
.container {
background-color: #fff;
width: 500px;
padding: 10px;
border-radius: 3px;
}
```

```
.container h3 {
font-weight: 500;
text-align: center;
text-transform: uppercase;
margin-bottom: 20px;
}
```

```
.form {
padding: 30px 40px;
}
```

```
.form-group {
color: #333;
margin-bottom: 5px;
padding-bottom: 10px;
}
```

```
.form-group label {
display: block;
margin-bottom: 5px;
```

```
color: #3c40c6;  
font-weight: 500;  
}
```

```
.form-group input {  
  border: 2px solid #aaa;  
  width: 100%;  
  padding: 10px;  
  font-size: 14px;  
  outline: none;  
  border-radius: 3px;  
}
```

```
.form-group p {  
  font-size: 11px;  
  margin-top: 5px;  
  visibility: hidden;  
}
```

```
.form button {  
  width: 100%;  
  padding: 10px;  
  border: 2px solid #3c40c6;  
  color: #fff;  
  background-color: #3c40c6;  
  text-transform: uppercase;  
  font-weight: 500;  
  border-radius: 3px;  
}
```

```
.form-group.error p {  
  color: #f53b57;
```

```
visibility: visible;
}
```

## SCRIPT.JS

```
const form = document.getElementById("form");
const username = document.getElementById("username");
const email = document.getElementById("email");
const phono = document.getElementById("phoneno");
const password = document.getElementById("password");
const password2 = document.getElementById("password2");
```

```
String.prototype.isEmail = function () {
  return !!this.match(/^\w+@[a-zA-Z_]+?\.[a-zA-Z]{2,3}$/);
};
```

```
String.prototype.isAlpha = function () {
  return !!this.match(/^[a-zA-Z]*$/);
};
```

```
function checkRequired(inputs) {
  inputs.forEach((input) => {
    if (input.value.trim() === "") {
      //Error
      errorInput(input, `${getName(input)} is Required`);
    } else {
      //Success
      successInput(input);
    }
  });
}

function getName(input) {
  //return input.id;
```

```

    return input.getAttribute("data-name");
}

function errorInput(input, message) {
    const formGroup = input.parentElement;
    formGroup.className = "form-group error";
    const p = formGroup.querySelector("p");
    p.innerHTML = message;
}

function successInput(input) {
    const formGroup = input.parentElement;
    formGroup.className = "form-group success";
    const p = formGroup.querySelector("p");
    p.innerHTML = "";
}

function checkLength(input, min, max) {
    const data = input.value.trim().length;
    if (data < min) {
        errorInput(input, `${getName(input)} must be atleast greater than ${min} characters`);
    } else if (data > max) {
        errorInput(input, `${getName(input)} must be atleast lesser than ${max} characters`);
    } else {
        successInput(input);
    }
}

function checkConfirmPassword(password, password2) {
    if (password.value !== password2.value) {
        errorInput(password2, `${getName(password2)} does not match`);
    }
}

```

```
function checkEmail(input) {  
    if (!input.value.trim().isEmail()) {  
        errorInput(input, `This is not an valid email address`);  
    }  
}
```

```
function checkphoneno(input) {  
    if (!input.value.trim().isphone()) {  
        errorInput(input, `phoneno must be in 10 digit`);  
    }  
}
```

```
function checkAlpha(input) {  
    if (!input.value.trim().isAlpha()) {  
        errorInput(input, `${getName(input)} Must be Alphabets`);  
    }  
}
```

```
form.addEventListener("submit", function (e) {  
    e.preventDefault();  
    checkRequired([username, email, password, password2]);  
    checkLength(username, 5, 10);  
    checkLength(password, 5, 10);  
    checkConfirmPassword(password, password2);  
    checkEmail(email);  
    checkPhoneNumber(phoneno);  
    checkAlpha(username);  
});
```

## OUTPUT:

REGISTRATION FORM

User Name

Enter User Name

Email

Enter Email Id

Phone Number

Enter phoneno

Password

Enter password

Confirm Password

Enter Confirm Password

SUBMIT

REGISTRATION FORM

User Name

Enter User Name

username is required

Email

Enter Email Id

email is required

Phone Number

Enter phoneno

phoneno is required

Password

Enter password

password is required

Confirm Password

Enter Confirm Password

confirm pass is required

SUBMIT



REGISTRATION FORM

User Name

abi

User name must be atleast greater than 5 charater

Email

abi123.com

This is not an valid email address

Phone Number

1234567

phoneno must be in 10 digit

Password

\*\*\*\*\*

password greater than 7 charater

Confirm Password

\*\*\*\*\*

password greater than 7 charater

SUBMIT

REGISTRATION FORM

User Name

Enter User Name

Email

Enter Email Id

Phone Number

Enter phoneno

Password

\*\*\*\*\*

Confirm Password

\*\*\*\*

password does not match

SUBMIT

## REGISTRATION FORM

User Name

abinaya

Email

abinaya@gmail.com

Phone Number

9876123456

Password

\*\*\*\*\*

Confirm Password

\*\*\*\*\*

SUBMIT

