

## Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <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">
    <h2>Register</h2>
    <form id="registrationForm">
      <label for="username">Username: </label>
      <input type="text" id="username" name="username" placeholder="Enter Username">
      <div id="usernameError" class="error"></div>

      <label for="email">Email: </label>
      <input type="email" id="email" name="email" placeholder="Enter email">
      <div id="emailError" class="error"></div>

      <label for="password">Password: </label>
      <input type="password" id="password" name="password" placeholder="Enter password">
      <div id="passwordError" class="error"></div>

      <input type="submit" value="Submit">
    </form>
    <div id="confirmationMessage" class="success"></div>
  </div>
  <script src="validation.js"></script>
</body>
</html>
```

## Style.css

```
body {
  font-family: Arial, Helvetica, sans-serif;
  margin: 0;
  padding: 20px;
  background-color: #f4f4f4;
}

.container{
  max-width: 500px;
  margin: 0 auto;
  padding: 20px;
  background-color: white;
  box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
}

input[type="text"], input[type="email"], input[type="password"] {
  width: 90%;
  padding: 10px;
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margin: 10px 0;
border: 1px solid #ccc;
border-radius: 5px;
}

input[type="submit"] {
  background-color: #28a745;
  color: white;
  padding: 10px;
  border: none;
  cursor: pointer;
  width: 95%;
}

input[type="submit"]:hover {
  background-color: #218838;
}

.error{
  color: red;
  font-size: 14px;
}

.success{
  color: green;
  padding: 3px;
}

```

## Validation.js

```

document.getElementById('registrationForm').addEventListener('input', validateForm);
document.getElementById('registrationForm').addEventListener('submit', handleSubmit);

function validateForm(){
  let username = document.getElementById('username').value;
  let email = document.getElementById('email').value;
  let password = document.getElementById('password').value;

  document.getElementById('usernameError').innerHTML = "";
  document.getElementById('emailError').innerHTML = "";
  document.getElementById('passwordError').innerHTML = "";

  if(username.length < 3){
    document.getElementById('usernameError').innerHTML = "Username must be at least 3 characters long.";
  }

  let emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
  if(!emailPattern.test(email)){
    document.getElementById('emailError').innerHTML = "Please enter a valid email address.";
  }

  if (password.length < 6){

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        document.getElementById('passwordError').innerHTML = "Password must be at least 6 characters
long.";
    }
}

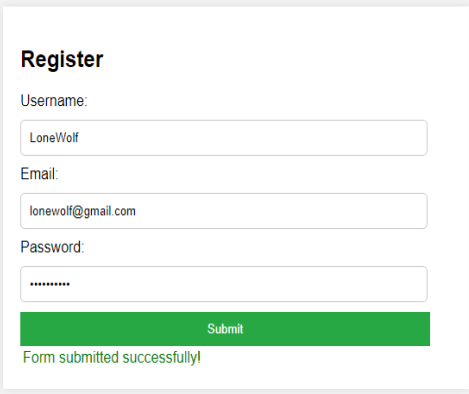
function handleSubmit(event){
    event.preventDefault();

    let usernameError = document.getElementById('usernameError').innerHTML;
    let emailError = document.getElementById('emailError').innerHTML;
    let passwordError = document.getElementById('passwordError').innerHTML;

    if (usernameError === "" && emailError === "" && passwordError === ""){
        document.getElementById('confirmationMessage').innerHTML = 'Form submitted successfully!';
    } else {
        document.getElementById('confirmationMessage').innerHTML = 'Please correct the errors above.';
    }
}

```

## Output:



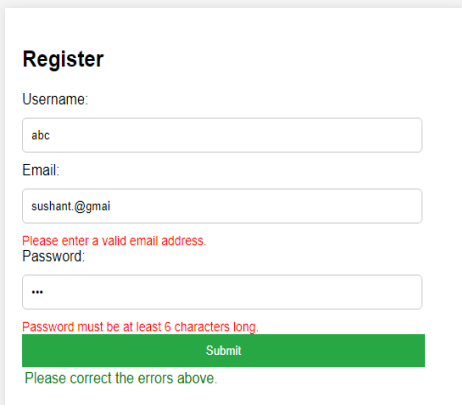
**Register**

Username:

Email:

Password:

Form submitted successfully!



**Register**

Username:

Email:

Please enter a valid email address.

Password:

Password must be at least 6 characters long.

Please correct the errors above.