* Index.html

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| <!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

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| 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;  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

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| 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){  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:

 