<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Login Form</title>

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

</head>

<body>

<h1>REAL TIME VALIDATION USING JS</h1>

<hr>

<form id="loginForm" onsubmit="validate(event)">

<!-- Fieldset groups related elements in a form -->

<fieldset>

<!-- Email input field -->

<div>

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

<input type="email" id="email" name="email">

</div>

<!-- Password input field with a minimum length requirement -->

<div>

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

<!-- minlength attribute ensures the password is at least 8 characters long -->

<input type="password" id="password" name="password" minlength="8">

</div>

<!-- Age input field with minimum and maximum value requirements -->

<div>

<label for="age">Age:</label>

<!-- min and max attributes define the acceptable range of ages -->

<input type="number" id="age" name="age" min="12" max="50">

</div>

<!-- Submit button for the form -->

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

</fieldset>

</form>

<!-- Div for displaying validation messages -->

<div id="message"></div>

<!-- Link to the external JavaScript file -->

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

</body>

</html>

<script>

function validate(e) {

e.preventDefault();

const email = document.getElementById('email').value;

const pass = document.getElementById('password').value;

const age = document.getElementById('age').value;

const msgBox = document.getElementById('message');

let message = '';

if (email === '') {

message = 'Please enter an email.';

msgBox.style.color = 'red';

} else if (pass === '') {

message = 'Password must be at least 8 characters.';

msgBox.style.color = 'red';

} else if (age === '') {

message = 'Age must be between 12 and 50.';

msgBox.style.color = 'red';

}

else {

message = 'Login successful!';

msgBox.style.color = 'green';

}

msgBox.innerText = message;

}

</script>

<style>

@import url('https://fonts.googleapis.com/css2?family=Lobster&family=Poppins:wght@100;200;300;400;500;600;700&display=swap');

html {

height: 100%;

width: 100%;

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

}

h1{

text-align: center;

}

form {

max-width: 300px;

margin: 0 auto;

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

text-align: center;

}

div {

margin-bottom: 10px;

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

}

button{

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

cursor: pointer;

}

#message{

text-align: center;

font-size: 20px;

margin-top: 10px;

}

</style>