**Html form element**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

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

**<title>Form Elements</title>**

**<script>**

**function handleSubmit(event) {**

**event.preventDefault(); // Prevent the default form submission**

**alert("Form submitted!"); // Show an alert**

**document.getElementById("myForm").reset(); // Clear the form**

**}**

**</script>**

**</head>**

**<body>**

**<form id="myForm" onsubmit="handleSubmit(event)">**

**<label>Text Box</label>**

**<input type="text" id="t1" name="name" value=""/><br><br>**

**Radio Button:<br>**

**<input type="radio" id="r1" name="gender" value="male"/> Male<br><br>**

**<input type="radio" id="r2" name="gender" value="female"/> Female<br><br>**

**Check Box: <input type="checkbox" id="c1" name="terms" value=""/> Accept Terms<br><br>**

**File: <input type="file" id="e1" name="file" value=""/><br><br>**

**Select:<br>**

**<label for="sem">Sem</label>**

**<select name="sem" id="sem">**

**<option value="1">1 Sem</option>**

**<option value="2">2 Sem</option>**

**</select><br><br>**

**Text Area:<br>**

**<textarea id="ta1" name="textarea" rows="4" cols="50">**

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**</textarea><br><br>**

**<fieldset>**

**<legend>Personal Details:</legend>**

**<label>First name:</label>**

**<input type="text" id="fname" name="fname" required><br><br>**

**<label>Last name:</label>**

**<input type="text" id="lname" name="lname" required><br><br>**

**</fieldset><br><br>**

**<input type="submit" value="Submit"/><br>**

**</form>**

**</body>**

**</html>**

**Validation form**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Login Page Validation</title>**

**<script>**

**function validation() {**

**var name = document.getElementById('t1').value;**

**var pass = document.getElementById('t2').value;**

**if (name === '' && pass === '') {**

**alert("Please enter username and password");**

**} else if (name === '') {**

**alert("Enter the name");**

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

**alert("Enter password");**

**} else if (pass.length < 8) {**

**alert("Password must be a minimum of 8 characters");**

**} else {**

**alert("User " + name + " logged in successfully");**

**document.getElementById('loginForm').reset(); // Clear the form fields**

**}**

**}**

**</script>**

**</head>**

**<body>**

**<form id="loginForm">**

**<label>User Name:</label>**

**<input type="text" id="t1"><br>**

**<label>Password:</label>**

**<input type="password" id="t2"><br>**

**<input type="button" value="Submit" onclick="validation()">**

**<input type="reset" value="Reset">**

**</form>**

**</body>**

**</html>**

**Registration form**

**file name: App.css**

**.App {**

**text-align: center;**

**background-color:rgb(9, 231, 128);**

**font-size: 20px;**

**padding:200px;**

**}**

**file name: Form.js**

**import { useState } from 'react';**

**export default function Form() {**

**const [name, setName] = useState('');**

**const [password, setPassword] = useState('');**

**const [message, setMessage] = useState('');**

**const handleSubmit = (e) => {**

**e.preventDefault();**

**if (name && password) {**

**setMessage(`User ${name} successfully registered!`);**

**} else {**

**setMessage('Please enter all the fields.');**

**}**

**};**

**return (**

**<div>**

**<h1>User Registration</h1>**

**{message && <h2>{message}</h2>}**

**<form onSubmit={handleSubmit}>**

**<label>Name</label>**

**<input type="text" onChange={(e) => setName(e.target.value)} /><br />**

**<label>Password</label>**

**<input type="password" onChange={(e) => setPassword(e.target.value)} /><br />**

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

**</form>**

**</div>**

**);**

**}**

**file name: App.js**

**import './App.css';**

**import Form from "./Form"**

**function App() { return (**

**<div className="App">**

**<Form />**

**</div>**

**);**

**}**

**export default App;**