Assignment No:2

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>User Data Form</title>
    <link rel="stylesheet" type="text/css" href="SDL-2.css">
 </head>
 <body>

  <form action="SDL-2.js" method="post">
   <h1>Registration Form</h1>
   <label for="name">Name:</label>
   <input type="text" id="name" name="name" required>

   <label for="password">Password:</label>
   <input type="password" id="password" name="password" required>

   <label for="phone">Phone:</label>
   <input type="tel" id="phone" name="phone" required>

   <label for="email">Email:</label>
   <input type="email" id="email" name="email" required>

   <label for="address">Address:</label>
   <textarea id="address" name="address" required></textarea>
```

```html
    <input type="submit" value="Submit">

  </form>


  <script src="SDL-2.js"></script>
 </body>
</html>
```

CSS

```css
body {
  font-family: Arial, sans-serif;
  background-color: #f2f2f2;
  background-image: url('background.jpg');
}

form {
  background-color: #fff;
  padding: 20px;
  border-radius: 5px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
  width: 600px;
  margin: 0 auto;
  margin-top: 80px;

}

form h1{
  text-align: center;
}

label {
  display: block;
```

```css
    margin-bottom: 10px;

}

input[type="text"],

input[type="password"],

input[type="tel"],

input[type="email"],

textarea {

  width: 100%;

  padding: 10px;

  border: 1px solid #ccc;

  border-radius: 4px;

  box-sizing: border-box;

  margin-bottom: 10px;

}

input[type="submit"] {

  background-color: #4CAF50;

  color: #fff;

  padding: 10px 20px;

  border: none;

  border-radius: 4px;

  cursor: pointer;

}

input[type="submit"]:hover {

  background-color: #45a049;

}

.error {

  color: red;
```

```css
    margin-bottom: 10px;

}
```

JS :

```js
function validateForm() {

  var name = document.getElementById("name").value;

  var password = document.getElementById("password").value;

  var phone = document.getElementById("phone").value;

  var email = document.getElementById("email").value;

  var address = document.getElementById("address").value;




  var nameRegex = /^[a-zA-Z ]{2,30}$/;

  var passwordRegex = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}$/;

  var phoneRegex = /^[0-9]{10}$/;

  var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;


  if (!nameRegex.test(name)) {

    alert("Please enter a valid name.");

    return false;

  }

  if (!passwordRegex.test(password)) {

    alert("Please enter a valid password. Password must contain at least one digit, one lowercase
letter, one uppercase letter, and be at least 8 characters long.");

    return false;

  }

  if (!phoneRegex.test(phone)) {

    alert("Please enter a valid phone number.");

    return false;

  }

  if (!emailRegex.test(email)) {
```

```
    alert("Please enter a valid email address.");

    return false;

  }

 if (address.length < 10) {

    alert("Please enter a valid address.");

    return false;

  }

  return true;

}


document.querySelector("form").addEventListener("submit", function(event) {

 if (!validateForm()) {

    event.preventDefault();

  }

});
```

OUTPUT :