



HTML:

```
<!DOCTYPE html>
<html>
<head>
<title>User Registration Form</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container">
<form id="registrationForm">
<h1 class="h1">Registration Form</h1>
<br>
<br>
<label for="username" class="l">Username:</label>
<input type="text" id="username" name="username" class="i" placeholder="Enetr
Username" required>
<br>
<br>
<label for="email" class="l">Email:</label>
<input type="email" id="email" name="email" class="i" placeholder="Enter
name@example.com" required>
<br>
<br>
<label for="password" class="l">Password:</label>
<input type="password" id="password" name="password" class="i" placeholder="Enter
Password" required>
<br>
<br>
```

```

<label for="confirmPassword" class="l">Confirm Password:</label>
<input type="password" id="confirmPassword" name="confirmPassword" class="i"
placeholder="confirm password" required>
<br>
<br>

<label for="phone" class="l">Phone Number:</label>
<input type="text" id="phone" name="phone" class="i" placeholder="+91 1234567890"
required>
<br>
<br>

<button type="submit">Register</button>
</form>
</div>

<script src="main.js"></script>
</body>
</html>

```

JS:

```

function isValidUsername(username) {
const regex = /^[a-zA-Z0-9]{3,20}$/;
return regex.test(username);
}

```

```

function isValidEmail(email) {
const regex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
return regex.test(email);
}

```

```

function isValidPassword(password) {
const regex = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@#%$])[A-Za-z\d@#%$]{8,}$/;
return regex.test(password);
}

```

```

function isMatchingPasswords(password, confirmPassword) {
return password === confirmPassword;
}

```

```

function isValidPhone(phone) {
const regex = /^\+91\s\d{10}$/;
return regex.test(phone);
}

```

```

document.addEventListener('DOMContentLoaded', function() {
const form = document.getElementById('registrationForm');

```

```

form.addEventListener('submit', function (event) {
event.preventDefault();

```

```

const username = form.username.value;
const email = form.email.value;
const password = form.password.value;
const confirmPassword = form.confirmPassword.value;
const phone = form.phone.value;

if (!isValidUsername(username)) {
    alert('Username must contain only alphanumeric characters (letters and numbers) and be between 3 and 20 characters long.');
```

return;

}

```

if (!isValidEmail(email)) {
    alert('Please enter a valid email address.');
```

return;

}

```

if (!isValidPassword(password)) {
    alert('Password should be at least 8 characters long, containing at least one uppercase letter, one lowercase letter, one number, and one special character.');
```

return;

}

```

if (!isMatchingPasswords(password, confirmPassword)) {
    alert('Passwords do not match.');
```

return;

}

```

if (!isValidPhone(phone)) {
    alert('Please enter a valid phone number in the format +91 1234567890.');
```

return;

}

```

    alert('Registration successful!');
    form.reset();
});
});

```

Style:

```

body{
    display: flex;
    background-color: rgb(196, 255, 194);
    text-align: center;
    border:solid;
    border-top: -50px;
    border-left: -80px;
}
.form{
    text-align: center;

```

```
}  
.h1{  
padding: 450px;  
}  
.i{  
display: inline-block;  
width: 180px;  
position: relative;  
top: 0em;  
height: 22px;
```

```
}  
.l{  
display: inline-block;  
width: 6em;  
margin-right: .5em;  
padding-top: 1.5em;  
}
```

```
.container {  
margin: 0 auto;  
padding: 4rem 0;  
width: 90%;  
max-width: 60rem;  
}
```