

Reactive Form with Validation

app.module.ts

```
import { ReactiveFormsModule } from '@angular/forms';
```

also add in

```
imports: [
```

```
  ReactiveFormsModule
```

app.component.html

```
<h5>Angular 10 Reactive Form Validation</h5>
```

```
<form [formGroup]="registerForm" (ngSubmit)="onSubmit(registerForm.value)">
```

```
<table>
```

```
<tr>
```

```
<td> <label>Title</label> </td>
```

```
<td><select formControlName="title">
```

```
<option value="Mr">Mr</option>
```

```
<option value="Mrs">Mrs</option>
```

```
<option value="Miss">Miss</option>
```

```
<option value="Ms">Ms</option>
```

```
</select> </td>
```

```
<td><div *ngIf="submitted && f.title.errors" >
```

```
<h5 *ngIf="f.title.errors.required">Title is required</h5>
```

```
</div>
```

```
</td>
```

```
<tr>
```

```
<td><label>First Name</label> </td>
```

```
<td><input type="text" formControlName="firstName" /> </td>
```

```
<td> <h5 *ngIf="submitted && f.firstName.errors">
```

```

<h5 *ngIf="f.firstName.errors.required">First Name is required</h5>
<h5 *ngIf ="f.firstName.errors.pattern"> Make in proper pattern </h5>
</h5>
</td>
</tr>

<tr>
<td><label>Last Name</label></td>
<td> <input type="text" formControlName="lastName" /> </td>
<td> <h5 *ngIf="submitted && f.lastName.errors" >
<h5 *ngIf="f.lastName.errors.required">Last Name is required</h5>
</h5>
</td>
</tr>

<tr>
<td><label>Mobile number</label></td>
<td><input type = "text" formControlName="mobile"/> </td>
<td> <h5 *ngIf="submitted && f.mobile.errors" >
<h5 *ngIf="f.mobile.errors.required">Mobile is required</h5>
<h5 *ngIf ="f.mobile.errors.pattern"> Make in proper pattern </h5>
</h5>
</td>
</tr>

<tr>
<td> <label>Email</label> </td>
<td> <input type="text" formControlName="email" /> </td>
<td><h5 *ngIf="submitted && f.email.errors" >
<h5 *ngIf="f.email.errors.required">Email is required</h5>
<h5 *ngIf="f.email.errors.email">Email must be a valid email address</h5>
</h5>
</td>
</tr>

```

```

<tr>
<td><label>Password</label> </td>
<td> <input type="password" formControlName="password" /> </td>
<td><h5 *ngIf="submitted && f.password.errors" >
<h5 *ngIf="f.password.errors.required">Password is required</h5>
<h5 *ngIf="f.password.errors.minlength">Password must be at least 6 characters</h5>
</h5>
</td>
<tr>
<td><input type="checkbox" formControlName="acceptTerms" /> </td>
<td> <label>Accept Terms & Conditions</label> </td>
<td> <h5 *ngIf="submitted && f.acceptTerms.errors">Accept Ts & Cs is required</h5> </td>
</tr>
<tr>
<td><button>Register</button> </td>
<td> <button type="reset">Cancel</button> </td>
</tr>
</table>
</form>

```

First Name : {{ firstName }}

app.component.ts

```
import { FormBuilder, FormGroup, Validators } from '@angular/forms';
```

```

export class AppComponent {
mobile: string;
firstName:string;
fnamePattern ="^[a-zA-Z]{8,15}$";
mobnumPattern = "[0-9]{10}$";
registerForm: FormGroup;
submitted = false;

```

```

constructor(private formBuilder: FormBuilder) {
  this.registerForm = this.formBuilder.group({
    title: ['', Validators.required],
    firstName: ['', [Validators.required, Validators.pattern(this.fnamePattern)]],
    lastName: ['', Validators.required],
    mobile: ['', [Validators.required, Validators.pattern(this.mobnumPattern)]],
    email: ['', [Validators.required, Validators.email]],
    password: ['', [Validators.required, Validators.minLength(6)]],
    acceptTerms: [false, Validators.requiredTrue]
  });
}

// convenience getter for easy access to form fields
get f()
{
  return this.registerForm.controls;
}

onSubmit(data) {
  this.submitted = true;
  if (this.registerForm.invalid)
  {
    return;
  }
  // display form values on success
  // alert('SUCCESS!! :-)\n\n' + JSON.stringify(this.registerForm.value, null, 4));
  this.firstName = data.firstName;
}
}

```