

My name is Cory Rylan. Google Developer Expert and Front End Developer at VMware Clarity. Angular Boot Camp instructor.

 Follow @coryrylan



Angular Reactive Forms Cheat Sheet



Cory Rylan

Mar 19, 2019 - 2 min read

angular

forms

This article has been updated to the latest version of Angular 9 and tested with Angular 8. The content is likely be applicable for older Angular 2 or other previous versions.

Angular Reactive Forms has a fantastic API to work with and makes using forms a breeze. Even with such a well thought out API occasionally I need to look up how to bind to a



Angular Form **Essentials**

Learn the essentials to get started creating amazing forms with Angular!

GET E-BOOK NOW!



particular input type. Because there are so many input types, I decided to create this tutorial or cheat sheet of every built-in browser input type and how to bind to it using Angular Reactive Forms. Check out the code below as well as a working demo example!

Component TypeScript

Using the Reactive Forms API, we can create complex forms easily with provided services such as the `FormBuilder` service.

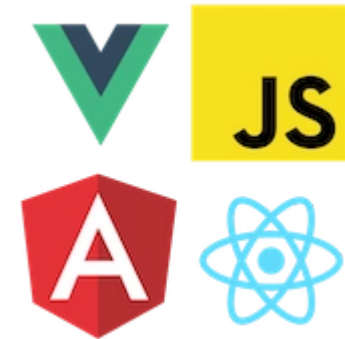
```
import { Component } from '@angular/core';
import { FormGroup, FormBuilder } from '@angular/forms';

@Component({
  selector: 'my-app',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  form: FormGroup;

  constructor(private formBuilder: FormBuilder) {
    this.form = this.formBuilder.group({
      name: [''],
      color: ['#ff0000'],
      password: [''],
      age: [100],
      date: [new Date()],
      subscribe: [true],
      memory: [32],
    });
  }
}
```

Enjoy the Vue Podcast 🎧
Listen to "What We Love About
Vue CLI"

ethical ad by CodeFund



Web Component Essentials

Learn to write reusable UI
components that work
everywhere!

START NOW!

```
        distance: [50],  
        region: ['south-america']  
    });  
  
    }  
  
    submit() {  
        console.log(this.form.value);  
    }  
}
```

Component Template

Below is the template that shows most of the basic built-in HTML input types and how they connect to an Angular form.

```
<h1>Advanced Form Types</h1>  
  
<form [formGroup]="form" (ngSubmit)="submit()">  
    <!-- text input in angular forms -->  
    <label for="name">Name (type="text")</label>  
    <input formControlName="name" id="name" />  
  
    <!-- color input in angular forms -->  
    <label for="color">Favorite Color (type="color")</label>  
    <input formControlName="color" id="color" type="color" />  
</form>
```

```
<!-- password input in angular forms -->
<label for="password">Password (type="password")</label>
<input formControlName="password" id="password" type="password" />
```

```
<!-- number input in angular forms -->
<label for="age">Age (type="number")</label>
<input formControlName="age" id="age" type="number" />
```

```
<!-- Date input in angular forms -->
<label for="date">Date (type="date")</label>
<input formControlName="date" id="date" type="date" />
```

```
<!-- checkbox input in angular forms -->
<label class="checkbox-wrapper">
  <input formControlName="subscribe" type="checkbox" />
  Subscribe (type="checkbox")
</label>
```

```
<!-- select input in angular forms -->
<label for="memory">Memory (select)</label>
<select formControlName="memory" id="memory">
  <option value="16">16 Gigabytes</option>
  <option value="32">32 Gigabytes</option>
  <option value="64">64 Gigabytes</option>
  <option value="128">128 Gigabytes</option>
</select>
```

```
<!-- range input in angular forms -->
<label for="distance">Distance (type="range")</label>
<input
  formControlName="distance"
```

```
id="distance"
type="range"
min="0"

max="100"
/>

<!-- radio input in angular forms -->
<span class="label">Region (type="radio")</span>
<label>
  <input
    formControlName="region"
    type="radio"
    name="region"
    value="north-america"
  />
  North America
</label>
<label>
  <input
    formControlName="region"
    type="radio"
    name="region"
    value="south-america"
  />
  South America
</label>
<label>
  <input formControlName="region" type="radio" name="region" value="eu
  Europe
</label>
```

```
<br />  
<button>Submit</button>  
</form>
```

Check out the full working demo link below!

[</> VIEW DEMO CODE](#)

Related Posts

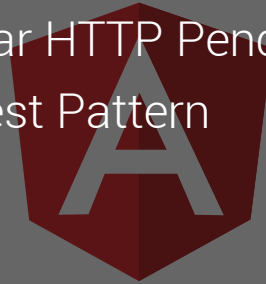
Using Web Components in Angular - Video Tutorial



Jan 2, 2020

Learn in a video tutorial how to integrate and use Web Components in Angular.

Angular HTTP Pending Request Pattern



Dec 31, 2019

Learn how to display HTTP request status messages to users using RxJS Observables.

2019 Review



Dec 31, 2019

A look back at 2019 and my goals for 2020 for Software Development.

READ MORE

READ MORE

READ MORE

Twitter

Github

StackBlitz

YouTube

Resources

All Posts

RSS

Patreon

Subscribe to get the latest dev posts and content!



SUBSCRIBE FOR FREE