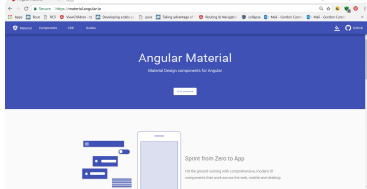


Angular Material 5 - @angular/material@5.0.0-rc0

The website you should study to learn about Angular Material is <https://material.angular.io/>

Material page	Menu itmes
	Material Components Form Controls Autocomplete Checkbox Datepicker Form field Input Radio button Select Slider Slide toggle Navigation Menu Sidenav Toolbar Layout List GridList Card Stepper Tabs expansionpanel Buttons and Indicators Button Button toggle Chips Icon Progress spinner Popups and Modals Dialog Tooltip Snackbar Data table Table Sort header Paginator CDK Common Behaviors Accessibility Observers Layout Overlay Portal Bidirectionality Scrolling Components Table Stepper Guides

Angular Material is one of a dozen or so UI Libraries which simplify and enhance the look and feel or UX (User Experience) – of a Web | mobile or desktop application.
They usually will be standard across all platforms –

Angular based UI Libraries

- VM Ware – has clarity -
- PrimeNg and Prime Faces
- Wijmo
- Infragistics
- Progress – KendoUI
- ngBootstrap –
- Lightning –
- Google – Angular Material -

Angular Animations - **BrowserAnimationsModule**

Angular Material utilizes **animations** to make it even better for the user.

To include it you must do the following

Currently the latest Angular version is 5.1.0-beta.0 and material is 5.0.0-rc0 (13/Nov/2017)

```
npm install --save @angular/material@latest
```

```
npm install --save @angular/animations@latest
```

We only import the specific modules we need to work with

The older versions used the **md**-suffix – but this has now changed to **mat**

```
import { MatCheckboxModule } from '@angular/material/checkbox';  
import { BrowserAnimationsModule } from '@angular/platform-browser/animations';
```

```
import { MyCheckboxComponent } from './my-check-box.component';
```

```
@NgModule({  
  declarations:[  
    AppComponent, MyCheckboxComponent  
  ],  
  imports:[BrowserAnimationsModule, MatCheckboxModule],  
  exports:[ MatCheckboxModule ]  
  bootstrap(AppComponent);  
})  
export class AppModule{}
```

Then in our component – we just need to use the checkbox component

```
<mat-checkbox>read only</mat-checkbox>
```

Themes

Note that to use Angular/Material – you normally will need – a theme –

(especially if using Angular CLI to create your app'n) - within your **styles.css** file you should enter

```
@import '~@angular/material/prebuilt-themes/deeppurple-amber.css';
```

(there are 4 default themes – **indigo-pink.css** | **pink-bluegrey.css** | **purple-green.css**

We should normally use scss as the std css pre-processor in our material app'ns

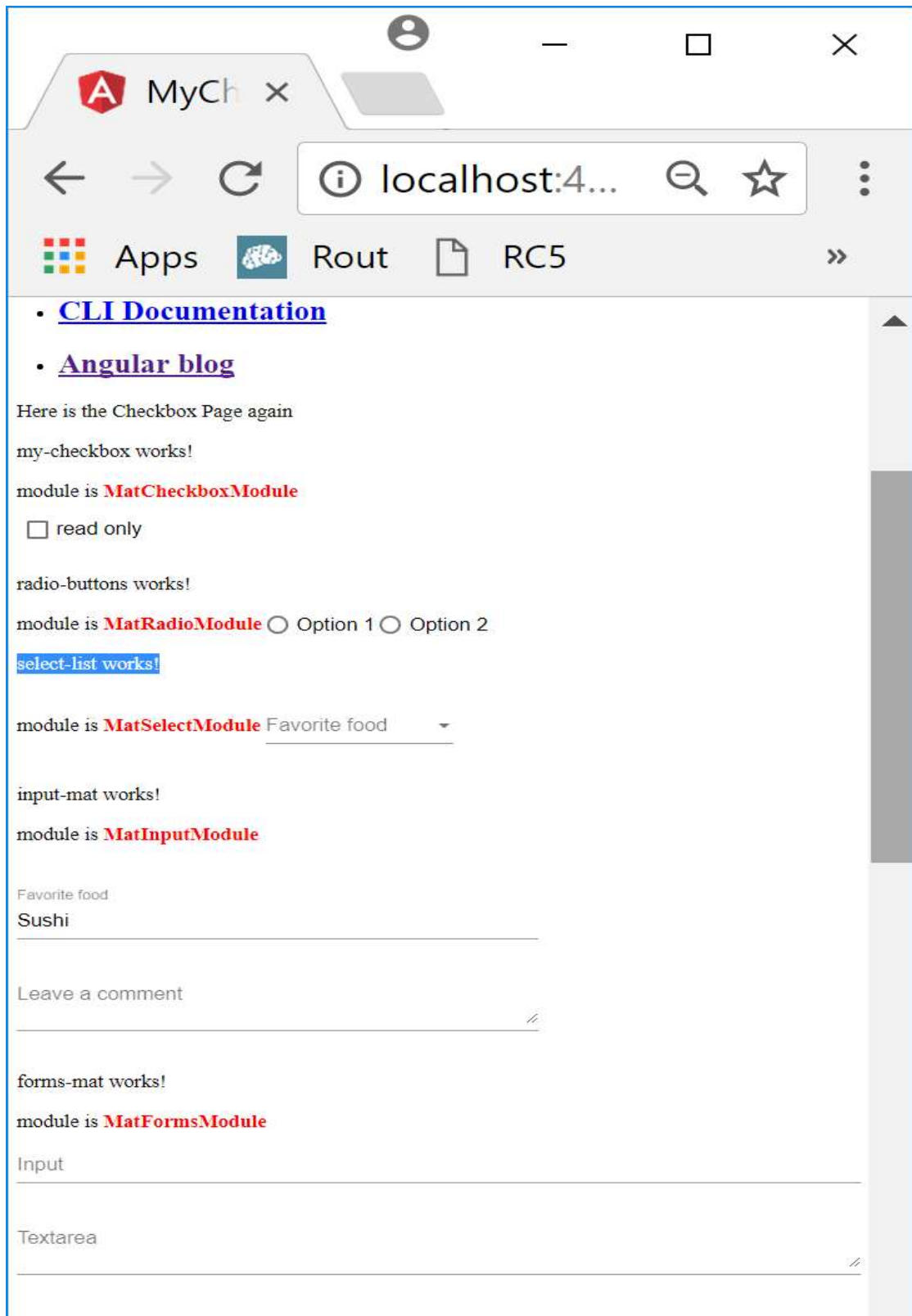
Using the Angular - CLI

```
ng new my-checkbox --style=scss
```

Note that some parts of Material Design (Angular Material) are now held in the CDK

CDK is the Component Development Kit

Angular Material 5 Example -



MyCh x

localhost:45... 🔍 ☆ ⋮

Apps Rout RC5 »

Jan 17, 2016

Recipes

Jan 17, 2016

folde

Jan 28, 2016

Work

Jan 28, 2016

folde

Notes

Feb 20, 2016

Vacation Itinerary

Feb 20, 2016

note

Jan 18, 2016

Kitchen Remodel

Jan 18, 2016

note

progress-spinner-mat works!

module is **MatProgressSpinnerModule**

Progress spinner configuration

Color:

☒ Primary

☐ Accent


☐ Warn

Mode:

☐ Determinate

☒ Indeterminate

Result



progress-bar-mat works!

module is **MatProgressBarModule**

Progress bar configuration

Color:

☒ Primary

☐ Accent

☐ Warn

Mode:

☒ Determinate

☐ Indeterminate

☐ Buffer

☐ Query

Angular Material 5 - Data Table

MyCheckbox

localhost:4545

Color

Primary

Accent

Warn

Mode

ColorPrimary

ColorAccent

ColorWarn

Progress

Result

progress-bar-start works!

module is MatProgressBarModule

Progress bar configuration

Color

Primary

Accent

Warn

Mode

ColorPrimary

ColorAccent

ColorWarn

Progress

Result

expansion-panel-start works!

module is MatExpansionModule

Personal data

Type your name and age

Self aware panel

Currently I am closed

data-table-start works!

NEW!NEW! - Column based data table -

module is MatTableModule

No.	Name	Height	Symbol
1	Hydrogen	1.0079	H
2	Helium	4.0026	He
3	Lithium	6.941	Li
4	Beryllium	9.0122	Be
5	Boron	10.811	B
6	Carbon	12.0107	C
7	Nitrogen	14.0067	N
8	Oxygen	15.9994	O
9	Fluorine	18.9984	F