Cheatography

Angular Materials 8 Cheat Sheet

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CDK

Common Behaviors	Accessibility Bidirectionality Drag and Drop Layout Observers Overlay Platform Portal Scrolling Text field
Components	Stepper Table Tree

Components

Form Controls	Autocomplete Checkbox Datepicker Form field Input Radio button Select Slider Slide toggle
Navigation	Menu Sidenav Toolbar
Layout	Card Divider Expansion Panel Grid list List Stepper Tabs Tree
Buttons & Indicators	Button Button toggle Badge Chips Icon Progress spinner Progress bar Ripples

Components (cont)

Popups & Modals	Bottom Sheet Dialog Snackbar Tooltip
Data table	Paginator Sort header Table

Schematics

address-form

> Component with a form group that uses Material Design form controls to prompt for a shipping address

navigation

> Creates a component with a responsive Material Design sidenav and a toolbar for showing the app name

dashboard

> Component with multiple Material Design cards and menus which are aligned in a grid layout

table

> Generates a component with a Material Design data table that supports sorting and pagination

tree

> Component that interactively visualizes a nested folder structure by using the <mat-tree> component

drag-drop*

> Component that uses the `@angular/cdk/drag-drop` directives for creating an interactive to-do list

```
ng g @angular/material:<schematics> <name>
*ng g @angular/cdk:drag-drop <name>
```

Autocomplete

Simple

```
<mat-form-field>
  <input type="text"
   matInput
   [formControl]="myControl"
   [matAutocomplete]="auto">
</mat-form-field>

<mat-autocomplete
 #auto="matAutocomplete">
  <mat-option
   *ngFor="let option of options"
   [value]="option">
    {{option}}
  </mat-option>
</mat-autocomplete>

export class AutocompleteSimpleExample {
  myControl = new FormControl();
  options: string[] = ['One', 'Two', 'Three'];
}
```

Filter

```
<mat-option
 *ngFor="let option of options | async"
 [value]="option">

options: Observable<string[]>;

ngOnInit() {
  this.options =
    this.myControl.valueChanges
    .pipe(
      startWith(''),
      map(value => this._filter(value))
    );
}

private _filter(value: string: string[] {
  ...
  return filteredArray;
}
```

Group

```
<mat-autocomplete
 #auto="matAutocomplete">
  <mat-optgroup
   ngFor="let group of groups | async"
   [label]="group.name">
    <mat-option
     ngFor="let option of group.options"
     [value]="option">
      {{option.name}}
    </mat-option>
  </mat-optgroup>
</mat-autocomplete>
```