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angular-material

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**#angular-
material**

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About

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Chapter 1: Getting started with angular-material

Remarks

Angular Material is an UI component framework that allows you to produce single-page-application using a set of predefined components and directives.

Versions

Version	Release Date
1.1.4	2017-04-20
1.1.3	2017-01-31
1.1.2	2017-01-05
1.1.1	2016-09-01
1.1.0	2016-08-14
1.1.0-rc5	2016-06-03
1.1.0-rc4	2016-04-15
1.1.0-rc2	2016-03-30
1.1.0-rc1	2016-03-09
1.0.9	2016-05-19
1.0.8	2016-04-28
1.0.7	2016-04-01
1.0.6	2016-02-29
1.0.5	2016-02-04
1.0.4	2016-01-28
1.0.3	2016-01-21
1.0.2	2016-01-14
1.0.1	2015-12-17

Version	Release Date
1.0.0	2015-12-14
1.0.0-rc7	2015-12-08
1.0.0-rc6	2015-12-02
1.0.0-rc5	2015-11-25
1.0.0-rc4	2015-11-13
1.0.0-rc3	2015-11-06
1.0.0-rc2	2015-10-29
1.0.0-rc1	2015-10-21
0.11.4	2015-10-13
0.11.3	2015-10-12
0.11.2	2015-10-01
0.11.1	2015-09-25
0.11.0	2015-09-08
0.11.0-rc2	2015-09-03
0.11.0-rc1	2015-09-01
0.10.1	2015-08-11
0.10.0	2015-06-15
0.9.8	2015-06-08
0.9.8-rc1	2015-06-05
0.9.7	2015-06-01
0.9.5	2015-05-28
0.9.4	2015-05-15
0.9.3	2015-05-14
0.9.0	2015-05-04
0.9.0-rc3	2015-04-28

Version	Release Date
0.9.0-rc2	2015-04-20
0.9.0-rc1	2015-04-14
0.8.3	2015-03-03
0.8.2	2015-02-27
0.8.1	2015-02-24
0.8.0	2015-02-23
0.7.1	2015-01-30
0.7.0	2015-01-24
0.7.0-rc3	2015-01-14
0.7.0-rc2	2015-01-08
0.7.0-rc1	2014-12-19
0.6.1	2014-12-08
0.6.0-rc3	2014-11-26
0.6.0-rc2	2014-11-24
0.6.0-rc1	2014-11-18
0.5.1	2014-10-31
0.4.2	2014-10-16
0.4.1	2014-10-15
0.4.0	2014-10-06
0.0.3	2014-09-19

Examples

Installation or Setup

Installing Angular Material

npm

```
npm install angular-material --save
```

bower

```
bower install angular-material --save
```

jspm

```
jspm install angular-material
```

From Cloud

[cdnjs](#) | [jsdelivr](#) | [googlecdn](#)

Getting Started (blank shell)

```
<html lang="en">
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- Angular Material style sheet -->
  <link rel="stylesheet"
href="http://ajax.googleapis.com/ajax/libs/angular_material/1.1.4/angular-material.min.css">
</head>
<body ng-app="BlankApp" ng-cloak>
  <!--
    Your HTML content here
  -->

  <!-- Angular Material requires Angular.js Libraries -->
  <script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular.min.js"></script>
  <script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular-
animate.min.js"></script>
  <script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular-
aria.min.js"></script>
  <script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular-
messages.min.js"></script>

  <!-- Angular Material Library -->
  <script src="http://ajax.googleapis.com/ajax/libs/angular_material/1.1.4/angular-
material.min.js"></script>

  <!-- Your application bootstrap -->
  <script type="text/javascript">
    /**
     * You must include the dependency on 'ngMaterial'
     */
    angular.module('BlankApp', ['ngMaterial']);
  </script>

</body>
</html>
```

Setting up with the CDN

in the index.html, link the CSS from [Google CDN](https://ajax.googleapis.com/ajax/libs/angular_material/1.1.1/angular-material.min.css)

```
<link rel="stylesheet"
href="https://ajax.googleapis.com/ajax/libs/angular_material/1.1.1/angular-material.min.css">
```

Required dependencies:

- angular
- angular-aria
- angular-animate
- angular-messages

```
<!-- Angular Material requires Angular.js Libraries -->
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.5/angular.min.js"></script>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.5/angular-
animate.min.js"></script>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.5/angular-
aria.min.js"></script>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.5/angular-
messages.min.js"></script>

<!-- Angular Material Library -->
<script src="https://ajax.googleapis.com/ajax/libs/angular_material/1.1.0/angular-
material.min.js"></script>
```

Link: <https://material.angularjs.org/latest/getting-started>

index.html

```
<!DOCTYPE html>
<html ng-app="angularMaterial">
  <head>
    <link
rel="stylesheet"href="https://ajax.googleapis.com/ajax/libs/angular_material/1.1.1/angular-
material.min.css">
      <!-- Angular Material requires Angular.js Libraries -->
      <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.8/angular.min.js"></script>
      <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.8/angular-
animate.min.js"></script>
      <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.8/angular-
aria.min.js"></script>
      <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.8/angular-
messages.min.js"></script>

      <!-- Angular Material Library -->
      <script src="https://ajax.googleapis.com/ajax/libs/angular_material/1.1.1/angular-
material.min.js"></script>
      <script src="app.js"></script>
    <title>Angular Material</title>
  </head>
  <body ng-controller="MainController">
    <md-content>{{content}}</md-content>
  </body>
```



```
</html>
```

app.js

```
angular.module('angularMaterial', ['ngAnimate', 'ngAria', 'ngMaterial', 'ngMessages'])
  .controller('MainController', function($scope) {
    $scope.content = "Your content goes here.";
  })
```

Master (HEAD)

index.html:

```
<html ng-app="masterAngularMaterial">
  <head>
    <!-- This is important (meta) -->
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- Angular and other dependencies -->
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular.min.js"></script>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular-
animate.min.js"></script>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular-
aria.min.js"></script>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular-
messages.min.js"></script>
    <!-- Angular Material -->
    <script src="https://cdn.rawgit.com/angular/bower-material/master/angular-
material.min.js"></script>
    <link href="https://cdn.rawgit.com/angular/bower-material/master/angular-
material.min.css" rel="stylesheet">
    <script src="/path/to/app.js"></script>
  </head>
  <body>
    <md-content ng-controller="SomeController">
      {{content}}
    </md-content>
  </body>
</html>
```

app.js:

```
angular.module('masterAngularMaterial', ['ngAnimate', 'ngAria', 'ngMaterial', 'ngMessages'])
  .controller('SomeController', function($scope) {
    $scope.content="Your content here.";
  })
```

Note that importing from <https://raw.githubusercontent.com> will show this error:

Refused to execute script from '<https://raw.githubusercontent.com/angular/bower-material/master/angular-material.min.js>' because its MIME type ('text/plain') is not executable, and strict MIME type checking is enabled.

Read Getting started with angular-material online: <https://riptutorial.com/angular->

[material/topic/2527/getting-started-with-angular-material](#)

Chapter 2: md-button

Examples

Types of

Make sure you link the Angular and Angular Material libraries!

index.html:

```
<html ng-app="mdButtonApp">
  <head>
    <!-- Import Angular -->
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.8/angular.min.js"></script>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.8/angular-
animate.min.js"></script>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.8/angular-
aria.min.js"></script>
    <!-- Angular Material -->
    <script src="https://ajax.googleapis.com/ajax/libs/angular_material/1.5.8/angular-
material.min.js"></script>
    <link href="https://ajax.googleapis.com/ajax/libs/angular_material/1.1.1/angular-
material.min.css" rel="stylesheet">
    <script src="app.js"></script>
  </head>
  <body>
    <md-content ng-controller="mdButtonController">
      <!-- Normal `md-button` -->
      <md-button>Normal</md-button>
      <md-button class="md-primary">{{text}}</md-button>
      <md-button class="md-accent">{{text}}</md-button>
      <md-button class="md-warn" ng-href="{{link}}">Google</md-button>
      <md-button class="md-raised" ng-click="goToLink('http://example.com')">Link</md-
button>

      <md-button class="md-cornered md-primary md-hue-1">{{text}}</md-button>
      <md-button class="md-accent md-hue-2">Some Button</md-button>
      <md-button class="md-warn md-hue-3" ng-href="{{link}}">{{text}}</md-button>
    </md-content>
  </body>
</html>
```

app.js:

```
angular.module('mdButtonApp', ['ngAnimate', 'ngAria', 'ngMaterial', 'ngMessages'])
.controller('mdButtonController', function($scope) {
  $scope.text = "Button";
  $scope.link = "https://google.com";
  $scope.goToLink = function(link) {
    // Go to some site
    console.log('Redirecting to:' + link);
    window.location.href=link;
  }
})
```

Creating an icon button

This example will be using the class `md-icon-button`, which must be applied to `<md-button>` in order to get an icon button.

- It is also recommended to add an `aria-label` attribute to `<md-button>` for accessibility purpose or the ARIA provider will throw a warning that there is no `aria-label`.
- Usually, there is an `<md-icon>` element in the `<md-button>` attribute.
- Optionally, there also may be an `<md-tooltip>` element to provide tooltips for the button.

This example will be using [Material Icons by Google](#).

index.html:

```
<html ng-app="mdIconButtonApp">
  <head>
    <!-- Import Angular -->
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular.min.js"></script>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular-
animate.min.js"></script>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.11/angular-
aria.min.js"></script>
    <!-- Angular Material -->
    <script src="https://ajax.googleapis.com/ajax/libs/angular_material/1.5.11/angular-
material.min.js"></script>
    <link href="https://ajax.googleapis.com/ajax/libs/angular_material/1.1.4/angular-
material.min.css" rel="stylesheet">
    <!-- Material Icons -->
    <link href="https://fonts.googleapis.com/icon?family=Material+Icons"
rel="stylesheet">
    <!-- Roboto -->
    <link href="https://fonts.googleapis.com/css?family=Roboto" rel="stylesheet">
    <!-- app.js -->
    <script src="app.js"></script>
    <style>
      body {
        font-family: Roboto, sans-serif;
      }
    </style>
  </head>
  <body>
    <md-content ng-controller="mdIconButtonController">
      <!--
      Normal `md-button`
      Note that it is recommended to add a `aria-label` to `md-icon-button` for
accessibility purposes.
      -->
      <md-button class="md-icon-button" aria-label="{{ariaLabel}}">
        <md-icon class="material-icons">menu</md-icon>
      </md-button>
      <md-button class="md-primary md-icon-button" aria-label="{{ariaLabel}}">
        <md-icon class="material-icons">menu</md-icon>
        <md-tooltip>This is a tooltip!</md-tooltip>
      </md-button>
      <md-button class="md-accent md-icon-button md-fab" ng-
click="goToLink('https://github.com/android')" aria-label="Go To Android">
```

```

        <md-icon class="material-icons">android</md-icon>
    </md-button>
    <md-button class="md-warn md-icon-button" ng-href="{{link}}" aria-
label="{{ariaLabel}}">
        <md-icon class="material-icons">{{icon}}</md-icon>
    </md-button>
    <md-button class="md-raised md-icon-button" ng-
click="goToLink('http://example.com')">
        <!-- Note that you must have $mdIconProvider for this -->
        <md-icon md-svg-icon="link"></md-icon>
    </md-button>
    <md-button class="md-cornered md-primary md-hue-1 md-icon-button" aria-
label="{{ariaLabel}}">
        <!-- You can also use the source of SVG -->
        <md-icon md-svg-src="/path/to/more.svg"></md-icon>
    </md-button>
    <md-button class="md-accent md-hue-2" aria-label="{{ariaLabel}}">
        <md-icon class="material-icons">g-translate</md-icon>
    </md-button>
    <md-button class="md-warn md-hue-3 md-icon-button" ng-href="{{link}}" aria-
label="Link">
        <md-icon md-svg-icon="copyright"></md-icon>
    </md-button>
</md-content>
</body>
</html>

```

app.js:

```

angular.module('mdIconButtonApp', ['ngAnimate', 'ngAria', 'ngMaterial', 'ngMessages'])
.config(function($mdIconProvider) {
    // Configure iconsets: More info:
    https://material.angularjs.org/latest/api/service/$mdIconProvider
    $mdIconProvider.iconSet('/path/to/media-icons.svg')
        .defaultIconSet('/path/to/icons.svg')
        .icon('sample-icon', '/path/to/sample-icon.svg');
})
.controller('mdIconButtonController', function($scope) {
    $scope.ariaLabel = "Button";
    $scope.icon = "menu";
    $scope.link = "https://google.com";
    $scope.goToLink = function(link) {
        // Go to some site
        console.log('Redirecting to:' + link);
        window.location.href=link;
    }
})

```

Standard button

So, well, how on earth do you create a `<md-button>`, you may ask? All you have to do is to enter a `<md-button>`, along with your text for the button in it.

index.html:

```

<div ng-app="MdButtonApp">
    <md-content ng-controller="Controller">

```

```
<h2 class="md-title">Simple <code>md-button</code></h2>
<md-button>Some button</md-button>
</md-content>
</div>
```

app.js:

```
// Just initialize the app
angular.module('MdButtonApp', ['ngMaterial'])
  .controller('Controller', function($scope) {})
```

Codepen Demo

Read md-button online: <https://riptutorial.com/angular-material/topic/8691/md-button>

Chapter 3: md-card

Introduction

This topic is about how to create a `<md-card>`, which you can use for blog posts and other things.

Remarks

API Documentation: [mdCard](#)

Examples

Basic card with header

```
<md-card>
  <md-card-header>
    <md-card-header-text>
      <span class="md-title">This will be the title</span>
      <span class="md-subhead">Here goes the (smaller, lighter) sub-header</span>
    </md-card-header-text>
  </md-card-header>
  <md-card-content>
    <p>
      Your content goes here!
    </p>
  </md-card-content>
</md-card>
```

Card with actions

If you want your card to include buttons, use the `md-card-actions` directive. Buttons can also be formatted differently for icon-only buttons. Search for icons at [here](#) if you're using Google's Material Icons.

```
<md-card>
  <!--header-->
  <md-card-content>
    <p>
      Your content goes here!
    </p>
  </md-card-content>
  <md-card-actions>
    <md-button>Save</md-button>
    <md-button>Cancel</md-button>
    <md-card-icon-actions>
      <md-button aria-label="icon" class="md-icon-button">
        <md-icon>help</md-icon>
      </md-button>
    </md-card-icon-actions>
  </md-card-actions>
```

```
</md-card>
```

Card with Avatar and image

If you want an avatar to appear on the card, use the `<md-card-avatar>` directive, which must be placed within the `<md-card-header>` directive. The `<md-card-avatar>` directive accepts an `` tag.

Optional: `.md-user-avatar`, which makes the `` tag have a circle look.

index.html:

```
<md-card>
  <md-card-header>
    <!--Avatar-->
    <md-card-avatar>
      
    </md-card-avatar>
    <!--Header text-->
    <md-card-header-text>
      <span class="md-title">Lorem</span>
      <span class="md-subhead">Ipsum</span>
    </md-card-header-text>
  </md-card-header>
  <!--Card image-->
  
  <!--Card title-->
  <md-card-title>
    <md-card-title-text>
      <span class="md-headline">Card header</span>
    </md-card-title-text>
  </md-card-title>
  <md-card-content>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus posuere et risus
    sed finibus. Nunc vestibulum sagittis enim ut sagittis.</p>
  </md-card-content>
</md-card>
```

Read md-card online: <https://riptutorial.com/angular-material/topic/6571/md-card>

Chapter 4: md-chips

Examples

Static chips

This example uses `<md-chips>` and `<md-chip>`.

NOTE: Static chips cannot be selected, removed or edited, and are not part of any model. If no `ng-model` is provided, there are no input elements in `<md-chips>`.

index.html:

```
<md-content ng-controller="ChipController">
  <md-chips>
    <md-chip>Test</md-chip>
    <md-chip>Another chip</md-chip>
    <md-chip>{{chip}}</md-chip>
  </md-chips>
```

app.js:

```
var app = angular.module('SomeApp', [/* Your dependencies here */ 'ngMaterial'])
app.controller('ChipController', function($scope) {
  $scope.chip = "$scope";
})
```

Setting the delay to select a new chip before refocusing on the input (≥1.1.2)

1.1.2

(This content is only relevant for versions 1.1.2 and up)

From versions 1.1.2 and up, you can set the delay to select a new chip before refocusing on the input.

Use the `md-chip-append-delay` attribute to set it (in milliseconds):

Example:

```
<md-chips md-chip-append-delay="500" ng-model="chipsModel" placeholder="Chips"></md-chips>
```

According to `angular-material`:

This is necessary for keyboard accessibility for screen readers. It defaults to 300ms and any number less than 300 can cause issues with screen readers (particularly JAWS and sometimes NVDA).

Read md-chips online: <https://riptutorial.com/angular-material/topic/9306/md-chips>

Credits

S. No	Chapters	Contributors
1	Getting started with angular-material	Alexander Romero , Community , Edric , H.T , Sender , troig , user3554664
2	md-button	Edric
3	md-card	Edric , Federico P
4	md-chips	Edric