



Angular 4

Production
de *pipes*,
de services, etc.

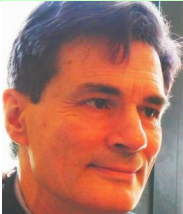
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Angular 4 – créer des composants



- *Enseignez la générosité*
- *à vos composants*

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partagez VOS variables



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Élément **appel**

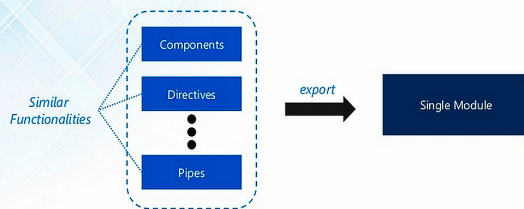
Component	ng g component my-new-component
Directive	ng g directive my-new-directive
Pipe	ng g pipe my-new-pipe
Service	ng g service my-new-service
Class	ng g class my-new-class
Guard	ng g guard my-new-guard
Interface	ng g interface my-new-interface
Enum	ng g enum my-new-enum
Module	ng g module my-module

Module

Module is a class with
@NgModule metadata

Every Angular app has at
least one root module

Encapsulation of different
similar functionalities



Module

```

import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import { FormsModule } from '@angular/forms';
import { HttpClientModule } from '@angular/http';

import { AppComponent } from './app.component';
import { TaskComponent } from './task/task.component';

@NgModule({
  declarations: [
    AppComponent,
    TaskComponent
  ],
  imports: [
    BrowserModule,
    FormsModule,
    HttpClientModule
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
  
```

Decorator

Declaring all the components

Importing Modules

Provide Services to all
module's component

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Component

sign in

search

jobs more International edition

home sport football cricket rugby union F1 tennis golf cycling boxing all

sport

sport website of the year

News / Armitstead becomes latest rider to accuse British Cycling of sexism

Danny Willett

There have been massive highs but pretty low lows

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Un exemple concret

https://startangular.com/product/sb-admin-bootstrap-4-angular-4/

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Component

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'app-example',

templateUrl: './example.component.html',

styleUrls: ['./example.component.css']

)})

export class ExampleComponent implements OnInit {

constructor() { }

ngOnInit() { }

}

Importing Component Decorator

Decorator

Meta Data

Exporting Component Class

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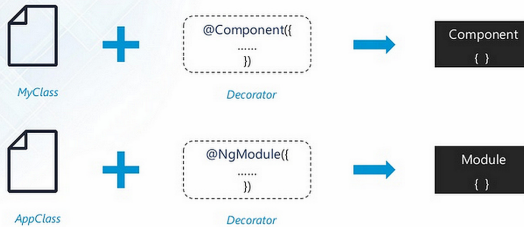
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Metadata

Metadata describes how to process the class

Decorator is used to attach metadata

Example:

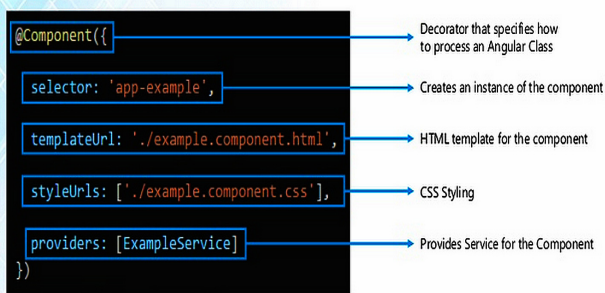


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Metadata



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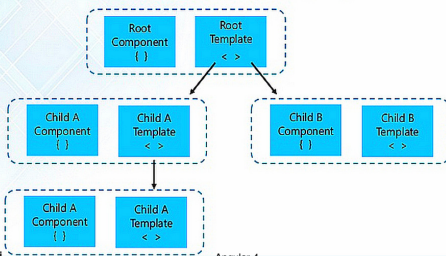
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Template

Used to define view of a component

Looks like HTML, except for a few differences.

Describes how the component is rendered on the page.



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MVC et MVVM

- modèle-view-controller (MVC)
- modèle-view-viewmodel (MVVM)
- En Angular,
- le **composant** joue le rôle du contrôleur / template de la vue,
- et le **template** représente la vue.

HTML dans un **template**

- HTML est le langage du **template** Angular.
- Presque toute la syntaxe HTML est une syntaxe de **template** valide.

HTML dans un **template**

- L'élément **<script>** est une exception notable, il est interdit,
 - pour éliminer le risque d'attaques par injection de script.
- En pratique, **<script>** est ignoré et un avertissement apparaît dans la console du navigateur.
 - Consultez la page Sécurité pour les détails.

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Data Binding

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Services

Service is a broad category encompassing any value, function, or feature that your application needs.

logging service data service message bus tax calculator

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Services

```
import { Injectable } from '@angular/core';

@Injectable()
export class ExampleService {

  movies: string[] = ["Inception", "Dark Knight", "Shutter Island"];

  constructor() { }

  getMovies(): string[] {
    return this.movies;
  }

}
```

Service Class

Service Method for retrieving data

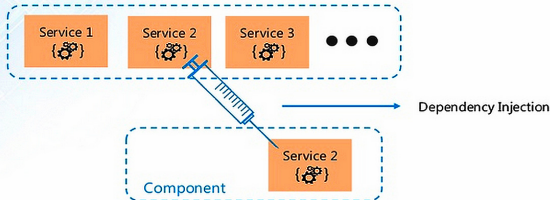
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Services

Creates a new instance of class along with its required dependencies

Used to provide services to a component



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Services

```
import { Component, OnInit } from '@angular/core';
import { ExampleService } from '../example.service';

@Component({
  selector: 'app-example',
  templateUrl: './example.component.html',
  styleUrls: ['./example.component.css'],
  providers: [ExampleService]
})
export class ExampleComponent implements OnInit {
  movies: string[];
  constructor(private exampleService: ExampleService) {}
  ngOnInit() {
    this.movies = this.exampleService.getMovies();
  }
}
```

Importing Service Class

Injecting Service into the Component

Retrieving data

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Merci !

Thanks !

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