Angular Cheat Sheet

by Greg Finzer (GregFinzer) via cheatography.com/15280/cs/10781/

Example Project

Angular UI	https://github.com/GregFinzer/CodePulse.UI
.NET Core API	https://github.com/GregFinzer/CodePulse.API

Example Component

Example Model	https://github.com/GregFinzer/CodePulse.UI/blob/main/src/app/features/category/models/add-category-request.model.ts
Example Component HTML	https://github.com/GregFinzer/CodePulse.UI/blob/main/src/app/features/category/add-category/add-category.component.html
Example Component TypeScript	https://github.com/GregFinzer/CodePulse.UI/blob/main/src/app/features/category/add-category/add-category.component.ts
Example Service	https://github.com/GregFinzer/CodePulse.UI/blob/main/src/app/features/category/services/category.service.ts

Binding

One Way Binding	<h1>{{pageTitle}}</h1>
Two Way Binding	<input [(ngModel)]="customer.FirstName">
Property Binding	<img [src]="customer.imageUrl">
Attribute Binding	<button [attr.aria-label]="ok">Ok</button>
Class Binding	<div [class.Selected]="Selected">Selected</div>
ngClass	<div [ngClass]="setClasses()"> {{customer.name}} </div>
Style Binding	button [style.color]="isSelected ? 'red' : 'white'">
ngStyle	<div [ngStyle]="setStyles()"> {{customer.name}} </div>
Component Binding	<customer-detail [customer]="currentCustomer"> <customer-detail>
Directive Binding	<div [ngClass] = "{selected: isSelected}">Customer</div>
Event Binding	<button (click)="save()">Save</button>
$event	<input [value]="customer.name" (input)="customer.name=$event.target.value">

Lifecycle Hooks

OnChanges	export class Customer implements OnChanges {
	  ngOnChanges() {}
	}

Lifecycle Hooks (cont)

OnInit	export class Customer implements OnInit {
	  ngOnInit() {}
	}

DoCheck	export class Customer implements DoCheck {
	  ngDoCheck() {}
	}

AfterContentInit	export class Customer implements AfterContentInit {
	  ngAfterContentInit() {}
	}

AfterContentChecked	export class Customer implements AfterContentChecked {
	  ngAfterContentChecked() {}
	}

AfterViewInit	export class Customer implements AfterViewInit
	{
	  ngAfterViewInit() {}
	}

AfterViewChecked	export class Customer implements AfterViewChecked {
	  ngAfterViewChecked() {}
	}

Lifecycle Hooks (cont)

OnDestroy	export class Customer implements OnDestroy {
	  ngOnDestroy() {}
	}

Component with Inline Template

```
import { Component } from '@angular/core';
@Compo nent({
    mod uleId: module.id,
    sel ector: 'custo mer',
    tem plate: `
    <h3>{{customer.name}}</h3>
   `
})
export class Custom erC omp onent {
    cus tomer = { id: 100, name: 'John Smith' };
}
```

Structural Directives

*ngIf	<div *ngIf="currentCustomer;else noCustomerTemplate"> Selected {{currentCustomer.Name}} </div> <ng-template #noCustomerTemplate> No Customer Selected </ng-template>
*ngFor	<ul> <li *ngFor="let customer of customers"> {{ customer.name }} </li> </ul>

*ngSwitch	<div [ngSwitch]="orderStatus">
	  <template [ngSwitchCase]="purchased"></template>
	  <template [ngSwitchCase]="shipped"></template>
	  <template [ngSwitchDefault]></template>
	</div>

Create Custom Directive	ng generate directive <directive name>

Pipes

Async	<ng-container *ngIf="customers$ | async as customers"> <span *ngFor="let customer of customers">{{customer.firstName}}</span> </ng-container>
Currency	<p>{{price | currency}}</p>
Date	<p>{{orderDate | date:'medium'}}</p>
Date Format	<p>{{orderDate | date:'yMMMd''}}</p>
Decimal	<p>{{ 12345.6789 | number:'3.1-2' }}</p>
JSON Debugging	<pre>{{Customer | json}}</pre>
Key Value (Object or Map)	<div *ngFor="let item of objectData | keyvalue"> {{ item.key }}: {{ item.value }} </div>
Lower Case	<p>{{customer.name | lowercase}}</p>
Number	<p>value | number:'1.1-2'}}</p>
Percent	<p>{{taxes | percent:'1.1-1'}}</p>
Title Case	<p>{{ 'hello world' | titlecase }}</p>
Upper Case	<p>{{customer.name | uppercase}}</p>

Component Linked Template

```
import { Component } from '@angular/core';
@Compo nent({
    mod uleId: module.id,
    sel ector: 'custo mer',
    tem pla teUrl: 'custo mer.co mpo nen t.h tml',
    sty leUrls: ['cust ome r.c omp one nt.c ss']
})
export class Custom erC omp onent {
    cus tomer = { id: 100, name: 'John Smith' };
}
```