

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	{{pageTitle}}
Two Way Binding	<input [(ngModel)]="customer.FirstName">
Property Binding	
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> </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 (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

OnChanges	export class Customer implements OnChanges { ngOnChanges() {} }
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 Page 2 of 2.

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Lifecycle Hooks (cont)

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

Component with Inline Template

```
import { Component } from '@angular/core';
@Component({
  moduleId: module.id,
  selector: 'customer',
  template: `
    <h3>{{customer.name}}</h3>
  `
})
export class CustomerComponent {
  customer = { 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
 <li *ngFor="let customer of customers">
 {{ customer.name }}

*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">

 {{customer.firstName}}
 </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 <pre>{{Customer | json}}</pre>

Debugging

Key Value <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';
@Component({
  moduleId: module.id,
  selector: 'customer',
  templateUrl: 'customer.component.html',
  styleUrls: ['customer.component.css']
})
export class CustomerComponent {
  customer = { id: 100, name: 'John Smith' };
}
```



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 Page 3 of 2.

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