

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

Lifecycle Hooks (cont)

OnInit	<code>export class Customer implements OnInit { ngOnInit() {} }</code>
DoCheck	<code>export class Customer implements DoCheck { ngDoCheck() {} }</code>
AfterContentInit	<code>export class Customer implements AfterContentInit { ngAfterContentInit() {} }</code>
AfterContentChecked	<code>export class Customer implements AfterContentChecked { ngAfterContentChecked() {} }</code>
AfterViewInit	<code>export class Customer implements AfterViewInit { ngAfterViewInit() {} }</code>
AfterViewChecked	<code>export class Customer implements AfterViewChecked { ngAfterViewChecked() {} }</code>

Lifecycle Hooks

OnChanges	<code>export class Customer implements OnChanges { ngOnChanges() {} }</code>
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By **Greg Finzer** (GregFinzer)
cheatography.com/gregfinzer/
github.com/GregFinzer/

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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     <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       <pre>{{Customer | json}}</pre>
```

Debugging

```
Key Value  <div *ngFor="let item of objectData | keyvalue">
            (Object or Map)  {{ 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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