

### Example Project

Angular UI	<a href="https://github.com/GregFinzer/CodePulse.UI">https://github.com/GregFinzer/CodePulse.UI</a>
.NET Core API	<a href="https://github.com/GregFinzer/CodePulse.API">https://github.com/GregFinzer/CodePulse.API</a>

### Example Component

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

### Binding

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



By **Greg Finzer** (GregFinzer)  
[cheatography.com/gregfinzer/](https://cheatography.com/gregfinzer/)  
[github.com/GregFinzer/](https://github.com/GregFinzer/)

Published 6th February, 2017.  
 Last updated 29th September, 2023.  
 Page 2 of 2.

Sponsored by **ApolloPad.com**  
 Everyone has a novel in them. Finish Yours!  
<https://apollopad.com>

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



By **Greg Finzer** (GregFinzer)  
[cheatography.com/gregfinzer/](https://cheatography.com/gregfinzer/)  
[github.com/GregFinzer/](https://github.com/GregFinzer/)

Published 6th February, 2017.  
 Last updated 29th September, 2023.  
 Page 3 of 2.

Sponsored by **ApolloPad.com**  
 Everyone has a novel in them. Finish Yours!  
<https://apollopad.com>