

APPDEV - Introductions to Application Development

BENCILA, ADRIAN MARC C.

AUGUST 20, 2025

```
heroes.component.html x  TS heroes.component.ts  app.component.html  TS app.component.ts  TS app.module.ts

my-angular-app › src › app › heroes › heroes.component.html › div › div
1   <h2>My Heroes</h2>
2   <ul class="heroes">
3     <li *ngFor = "let hero of heroes">
4       <button class="button"
5         [class.selected] = "hero === selectedHero" (click)= "onSelect(hero)">
6           <span class="badge">{{hero.id}}</span>
7           <span class="name">{{hero.name}}</span>
8       </button>
9     </li>
10    </ul>
11
12   <div *ngif = "selectedHero">
13     <h2>{{selectedHero.name | uppercase}} Details</h2>
14     <div>id: {{selectedHero.id}}</div>
15     <div>
16       <label for="hero-name">Hero Name:</label>
17       <input type="text" id="hero-name" [{ngModel}] = "selectedHero.name" placeholder="name">
18     </div>
19   </div>
20
```

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```
heroes.component.html  TS heroes.component.ts ✘  app.component.html  TS app.component.ts  TS app

my-angular-app ▶ src ▶ app ▶ heroes ▶ heroes.component.ts ▶ ...
1 import { Component } from '@angular/core';
2 import { Hero } from '../hero';
3 import { HEROES } from '../mock-heroes';
4 import { FormsModule } from '@angular/forms';
5
6 import {
7   /** ... */
8   NgFor, NgIf,UpperCasePipe
9   /** ... */ } from '@angular/common';
10
11 @Component({
12   selector: 'app-heroes',
13   standalone: true,
14   templateUrl: './heroes.component.html',
15   styleUrls: ['./heroes.component.css'],
16   imports: [
17     NgFor, NgIf, FormsModule,UpperCasePipe
18   ]
19 })
20 export class HeroesComponent {
21   heroes = HEROES;
22   selectedHero?:Hero;
23   onSelect(hero: Hero): void {
24     this.selectedHero = hero;
25   }
26 }
27
```

```
heroes.component.html  TS heroes.component.ts  app.component.html  TS app

my-angular-app ▶ src ▶ app ▶ app.component.html ▶ ...
1 <h1>{{title}}</h1>
2 <div>{{myName}}</div>
3
4
```

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```
heroes.component.html heroes.component.ts app.component.html app.component.ts
my-angular-app › src › app › TS app.component.ts › AppComponent
1 import { Component } from '@angular/core';
2 import { HeroesComponent } from './heroes/heroes.component';
3 import { CommonModule } from '@angular/common';
4
5 @Component({
6   selector: 'app-root',
7   templateUrl: './app.component.html',
8   standalone: true,
9   styleUrls: ['./app.component.css'],
10  import: []
11 })
12 export class AppComponent {
13   title = 'my-angular-app';
14   myName = 'Adrian Marc C. Bencila'
15 }
16
```

```
heroes.component.html heroes.component.ts app.component.html app.component.ts app.module.ts
my-angular-app › src › app › TS app.module.ts › ...
1 import { NgModule } from '@angular/core';
2 import { BrowserModule } from '@angular/platform-browser';
3
4 import { FormsModule } from '@angular/forms';
5
6 import { AppRoutingModule } from './app-routing.module';
7 import { AppComponent } from './app.component';
8 import { HeroesComponent } from './heroes/heroes.component';
9
10 @NgModule({
11   declarations: [
12     ],
13   imports: [
14     BrowserModule
15   ],
16   providers: [],
17   bootstrap: [AppComponent]
18 })
19 export class AppModule { }
20
```

```
heroes.component.html heroes.component.ts
my-angular-app › src › app › TS app.components › AppComponent
1 import { Component } from '@angular/core';
2 import { HeroesComponent } from './heroes/heroes.component';
3 import { CommonModule } from '@angular/common';
4
5 @Component({
6   selector: 'app-root',
7   templateUrl: './app.component.html',
8   standalone: true,
9   styleUrls: ['./app.component.css'],
10  import: []
11 })
12 export class AppComponent { }
```

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```
ts heroes.component.ts    ↗ app.component.html    TS app.component.ts    TS app.module.ts    TS hero.ts
my-angular-app › src › app › TS mock-heroes.ts › HEROES
1   import { Hero } from './hero';
2
3   export const HEROES: Hero[] = [
4     {id: 12, name: 'Lux'},
5     {id: 13, name: 'Ahri'},
6     {id: 14, name: 'Spiderman'},
7     {id: 15, name: 'IronMan'},
8     {id: 16, name: 'AquaMan'},
9     {id: 17, name: 'Gusion'},
10    {id: 18, name: 'Kaisa'},
11    {id: 19, name: 'Hulk'},
12    {id: 20, name: 'Nana'},
13  ]
```

```
TS heroes.component.ts    ↗ app.component.html    TS app.component.ts    TS app.module.ts    TS hero.ts ✘ 1
my-angular-app › src › app › TS hero.ts › Hero › name
1   export interface Hero {
2     id: number;
3     name: String
4   }
5
```