

Some of the metadata is in the @Component decorators that you added to your component classes. Other critical metadata is in @NgModule decorators. The most important @NgModule decorator annotates the top-level AppModule class.

app.module.ts (FormsModule symbol import)

app.module.ts (@NgModule imports)

immediately in the <h2> above the textbox.

Declare Heroes Component

src/app/app.module.ts

src/app/app.module.ts

declarations: [ AppComponent,

Final code review

Can't bind to 'ngModel' since it isn't a known property of 'input'.

Although ngModel is a valid Angular directive, it isn't available by default.

It belongs to the optional FormsModule and you must opt-in to using it.

Template parse errors:

This information is called metadata.

opt-in to the FormsModule.

Import FormsModule

imports: [

],

BrowserModule, FormsModule

**AppModule** 

```
Then add FormsModule to the @NgModule metadata's imports array, which contains a list of external modules that the app
needs.
```

When the browser refreshes, the app should work again. You can edit the hero's name and see the changes reflected

Open AppModule (app.module.ts) and import the FormsModule symbol from the @angular/forms library.

import { FormsModule } from '@angular/forms'; // <-- NgModel lives here</pre>

Angular needs to know how the pieces of your application fit together and what other files and libraries the app requires.

The Angular CLI generated an AppModule class in src/app/app.module.ts when it created the project. This is where you

You didn't declare the HeroesComponent. So why did the application work? It worked because the Angular CLI declared HeroesComponent in the AppModule when it generated that component. Open src/app/app.module.ts and find HeroesComponent imported near the top.

import { HeroesComponent } from './heroes/heroes.component';

The HeroesComponent is declared in the @NgModule.declarations array.

Every component must be declared in exactly one NgModule.

```
HeroesComponent
Note that AppModule declares both application components, AppComponent and HeroesComponent.
```

src/app/heroes/heroes.component.ts

import { Hero } from '../hero';

import { Component, OnInit } from '@angular/core';

@Component({ selector: 'app-heroes', templateUrl: './heroes.component.html', styleUrls: ['./heroes.component.css'] export class HeroesComponent implements OnInit { hero: Hero = { id: 1, name: 'Windstorm' }; constructor() { } ngOnInit() { Summary <sup>⊆</sup> You used the CLI to create a second HeroesComponent. You displayed the HeroesComponent by adding it to the AppComponent shell.

Your app should look like this live example / download example. Here are the code files discussed on this page.

src/app/heroes/heroes.component.html

src/app/app.modul >

## you.

```
    You learned the importance of declaring components in the AppModule and appreciated that the CLI declared it for
```

You applied the UppercasePipe to format the name.

You learned about the AppModule.

You used two-way data binding with the ngModel directive.

You imported the FormsModule in the AppModule so that Angular would recognize and apply the ngModel directive.