

Angular Components

Presented by



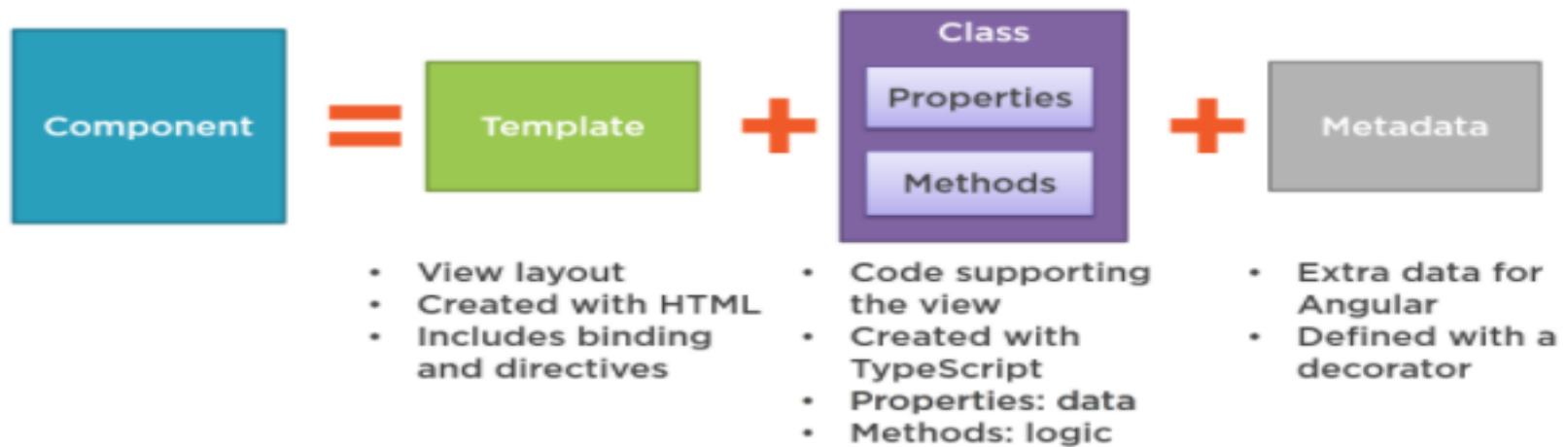
Component

- A view is made of one or more component.
- An Angular component represents a portion of a view.
- Generally, an interactive web page is made of HTML, CSS, and JavaScript.
- Angular component is no different.
- Angular Component = HTML Template + Component Class + Component Metadata



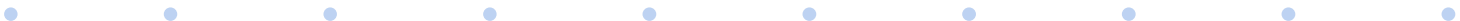
Angular Components . . .

- The Components consists of three main building blocks
 - Template
 - Class
 - MetaData



Angular Component . . .

- HTML Template
 - HTML template is nothing but a regular HTML code with additional Angular specific syntax to communicate with the component class.
- Class
 - Essentially, a component class is a TypeScript class that includes properties and methods.
 - Properties store data and methods include the logic for the component.
 - Eventually, this class will be compiled into JavaScript.




Angular Components . . .

- Metadata
- Use the following CLI command to generate a component.
- >ng generate component greet

OR

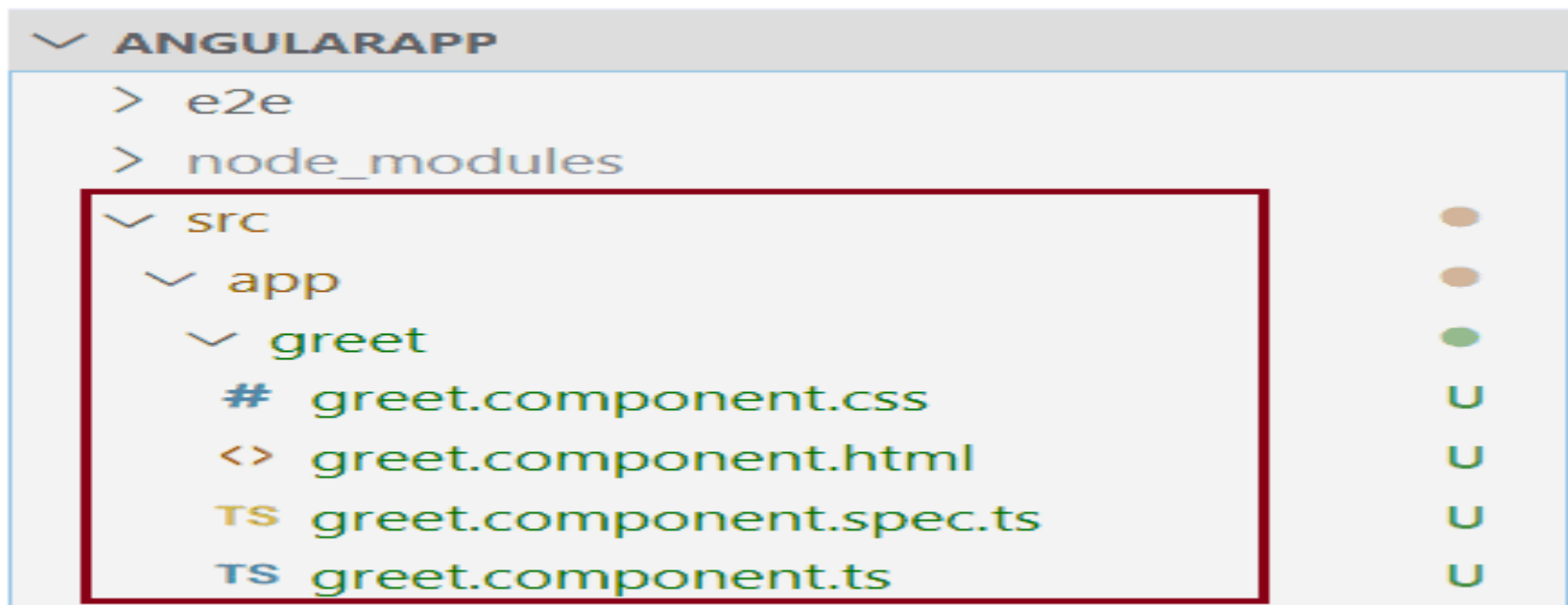
- > ng g c greet

```
D:\TestProjects\angularapp>ng g component greet   
CREATE src/app/greet/greet.component.html (20 bytes)  
CREATE src/app/greet/greet.component.spec.ts (621 bytes)  
CREATE src/app/greet/greet.component.ts (271 bytes)  
CREATE src/app/greet/greet.component.css (0 bytes)
```

Angular Components . . .

```
> ng g c greet
```

The above command will create a new "greet" folder and app folder and create four files, as shown below.



Component Files

Angular Components . . .

- The greet.component.ts file has the following code.

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

@Component({
  selector: 'app-greet',
  templateUrl: './greet.component.html',
  styleUrls: ['./greet.component.css']
})
export class GreetComponent implements OnInit {

  constructor() { }

  ngOnInit(): void {
  }

}
```



Angular Components...

- The following figure illustrates the important part of the component class.

