# Angular Fundamentals day 2 - Short recap

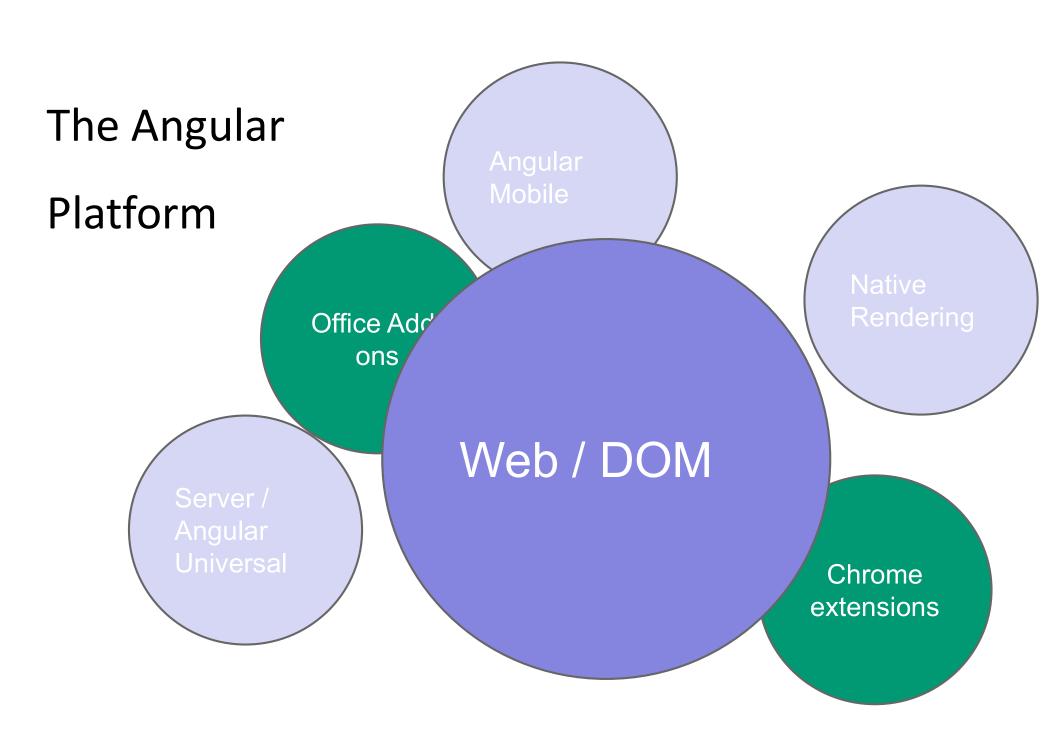


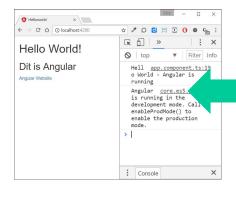


Peter Kassenaar – info@kassenaar.com

### **Angular Architecture – Framework to Platform**

	Scaffolding	Code completion & Refactoring	Debugging
Tooling	Angular CLI	Language Services	Augury
Libraries	Material 2	Mobile	Universal
	Compile	Change Detection	Renderer
Core	Components & Dependency Injection	Decorators	Zones







**Services** 

ngModule / root module

3<sup>rd</sup> party libs

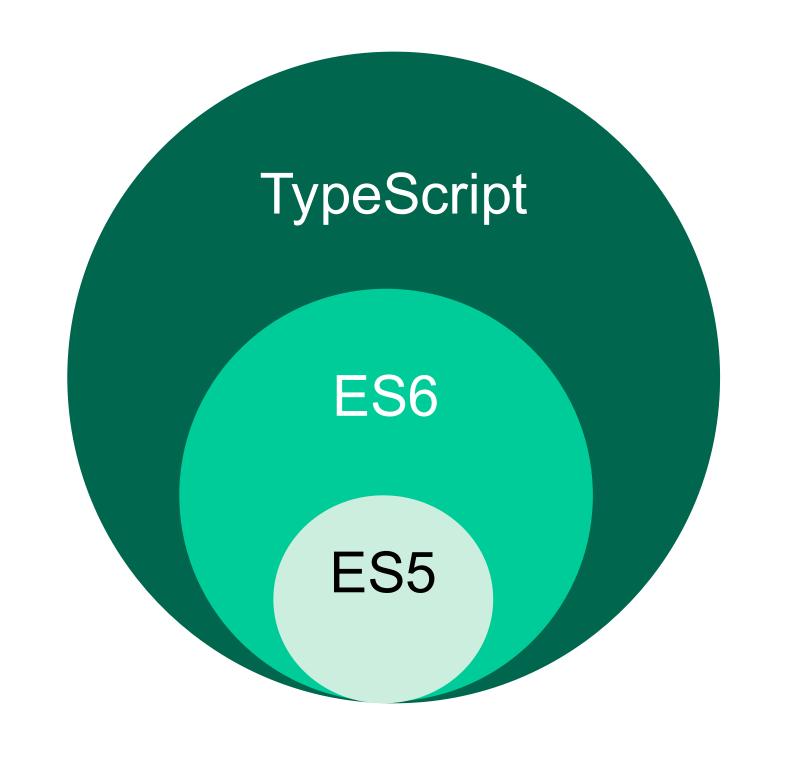
**AppComponent** 

Other modules

Other components

Other components

Other components





https://medium.freecodecamp.org/want-to-learn-typescript-heresour-free-22-part-course-21cd9bbb5ef5

#### **Boilerplate code - steps**

- 1. Set up environment, boilerplate & libraries
  - npm install
- 2. Write Angular Components & Module for app
- 3. Bootstrap (main.ts)
- 4. Write HTML-pagina (index.html)
- 5. Run application
  - npm start

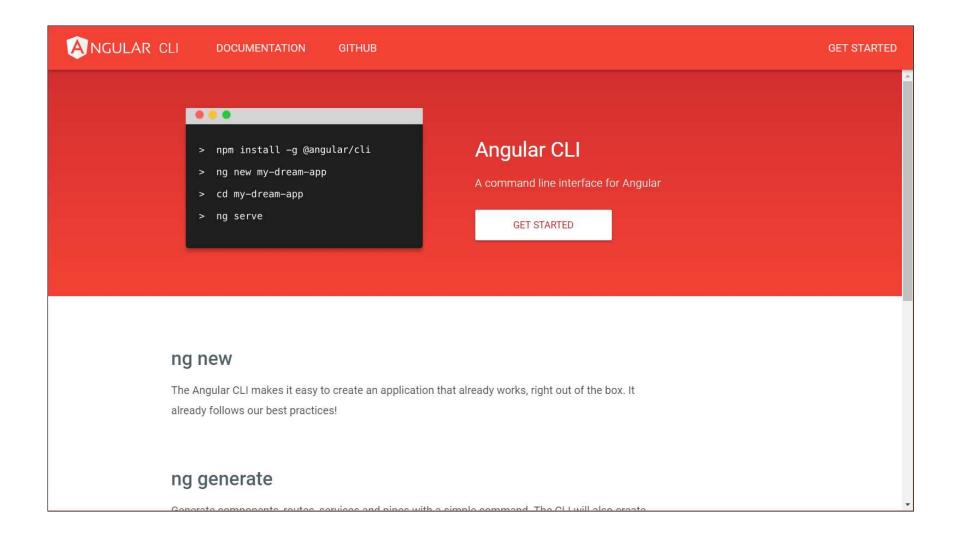
#### **Components**

- @Component decorator
- View
- Controller / Class

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

@Component({
    selector: 'app-customer',
    templateUrl: './customer.component.html',
    styleUrls: ['./customer.component.css']
})
export class CustomerComponent implements OnInit {
    constructor() {}
    ngOnInit() {}
}
```

#### **Angular CLI**



#### Ng serve

- Does multiple things you could do this by hand:
  - 1. TypeScript compilation
  - 2. (SASS compilation)
  - 3. Fire up webserver on <a href="http://localhost:4200">http://localhost:4200</a>
  - 4. Fire up Live Reload
  - 5. Analyzing and bundling of application by firing up WebPack
  - 6. Watch for changes and recompile, rebundle, etc.

#### **Data binding**

- New syntax in HTML-views/partials.
  - 1. Simple data binding {{ ... }}
  - 2. Event binding (...) = "..."
  - 3. One-way data binding [...]="..."
  - 4. Two-way data binding [(ngModel)] = " ..."

## Questions?

#### **Today**

- Data binding (continued)
  - Event- and Attribute binding
  - Two-way Data Binding
- Services
  - Static Services
  - RxJS / Observables
  - Live API's

#### **Tomorrow**

- Tree of components
  - Component Communication
  - Building applications with multiple components
  - Data flow between components @Input() and @Output()
- Routing
  - Basic Routing
  - Routing Parameters
- Forms
  - Template Forms
  - Reactive Forms