

### Angular Korte herhaling dag #1

Peter Kassenaar – info@kassenaar.com

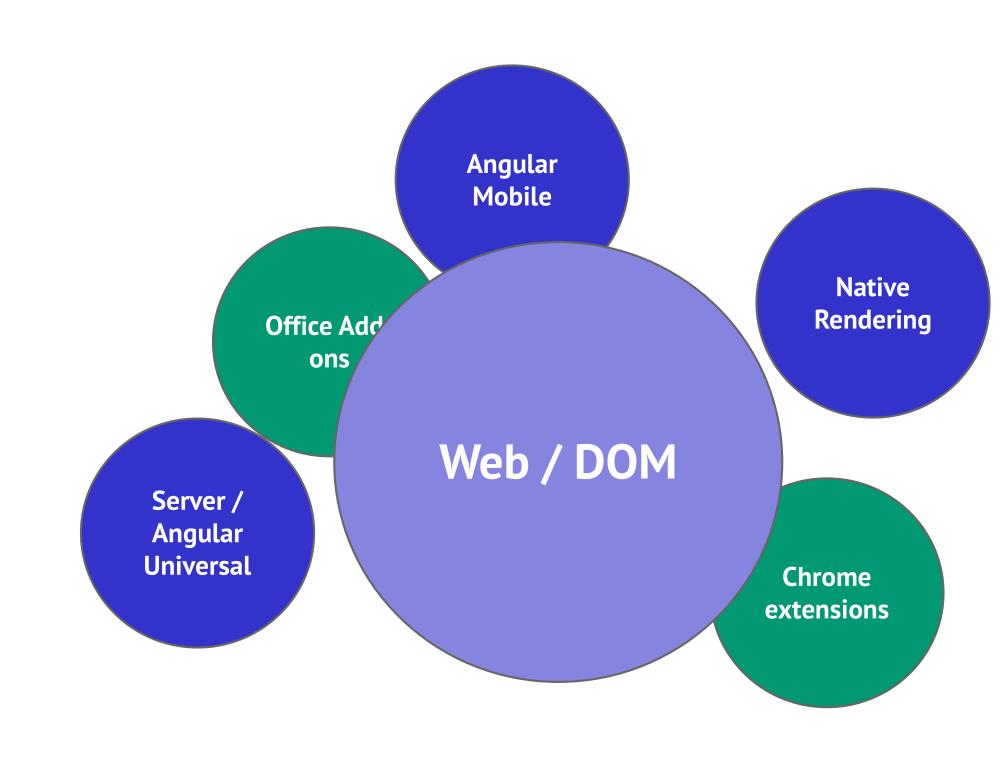
**WORLDWIDE LOCATIONS** 

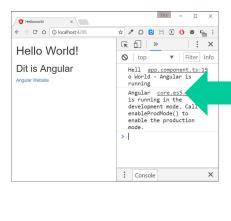
#### **Agenda**

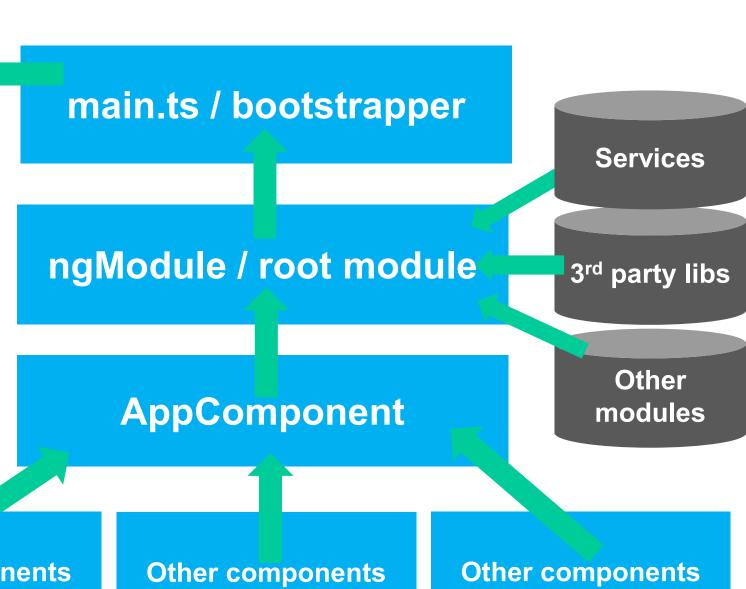
- Day 1 Intro & Data binding
  - Theorie Introductie & geschiedenis
    - Angular vs Vue, React
  - Hello World in Angular –boilerplate-code
  - Concepts, context & architecture
  - Angular CLI, TypeScript
  - Components
  - Data binding

#### **Framework to Platform**

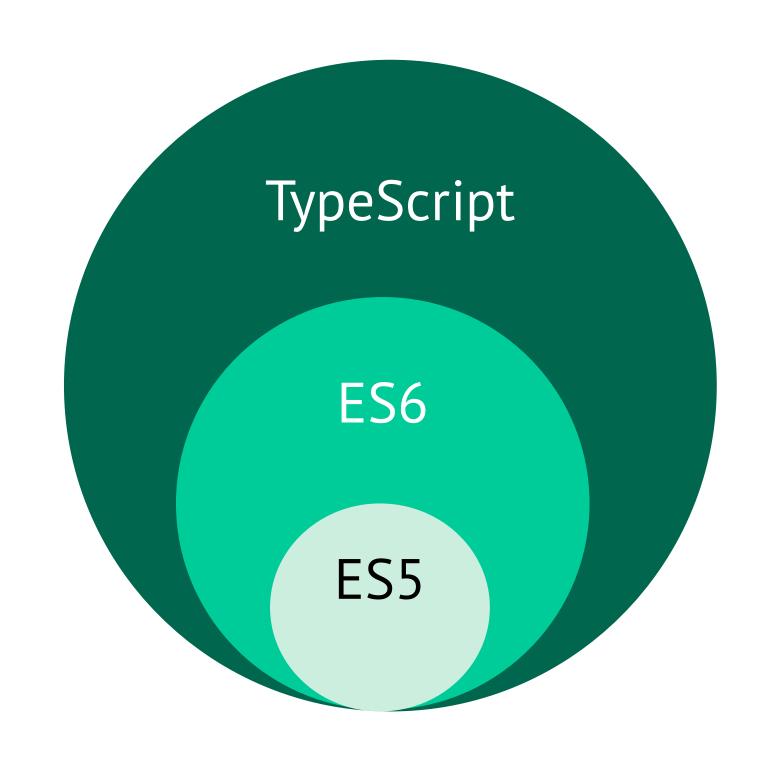
	Scaffolding	Code completion & Refactoring	Debugging
Tooling	Angular CLI	Language Services	DevTools
Libraries	Material 2	Mobile	Universal
	Compile	Change Detection	Renderer
Core	Components & Dependency Injection	Decorators	Zones







Other components



```
TS TypeScript
                                                                                                                     Download Docs Handbook Community Playground Tools
Playground
                      TS Config ▼ Examples ▼ What's New ▼
                                                              Help ▼
                                                                                                                                 Settings
                Export -
                           Share
                                                                            .JS .D.TS Errors Logs Plugins
v4.7.4 ▼
          Run
     export class City{
 1
                                             var City = /** @class */ (function () {
 2
       constructor(public id: number,
                                                  function City(id, name, province, population) {
                   public name: string,
  3
                                                     this.id = id;
                   public province: string,
 4
                                                     this.name = name;
  5
                   public population?: number
                                                     this.province = province;
  6
  7
       getFullName(){
                                                      this.population = population;
         return this.id + ' ' + this.name;
  8
                                                  }
  9
                                                  City.prototype.getFullName = function () {
 10
                                                     return this.id + ' ' + this.name;
11
                                                 };
 12
                                                  return City;
                                              }());
                                             export { City };
                                                                                                                  S
```

#### **Boilerplate code - stappenplan**

1. Set up environment, boilerplate & libraries

```
- npm install
```

- 2. Schrijf Angular Root Component & Module voor de app
- 3. Bootstrap
- 4. Schrijf HTML-pagina (index.html)
- 5. Run applicatie

```
- npm start
```

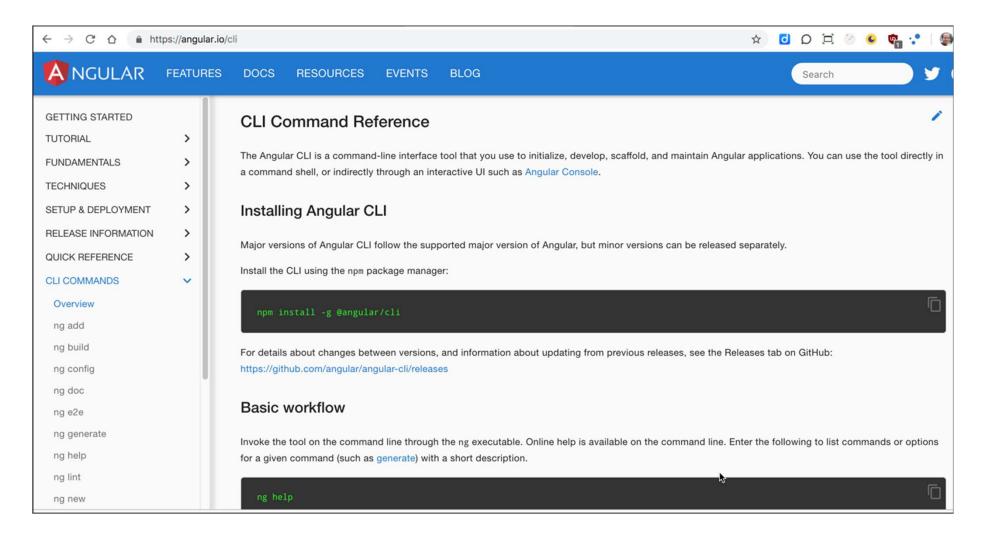
#### **Components**

- @Component decorator
- View
- Controller / Class

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

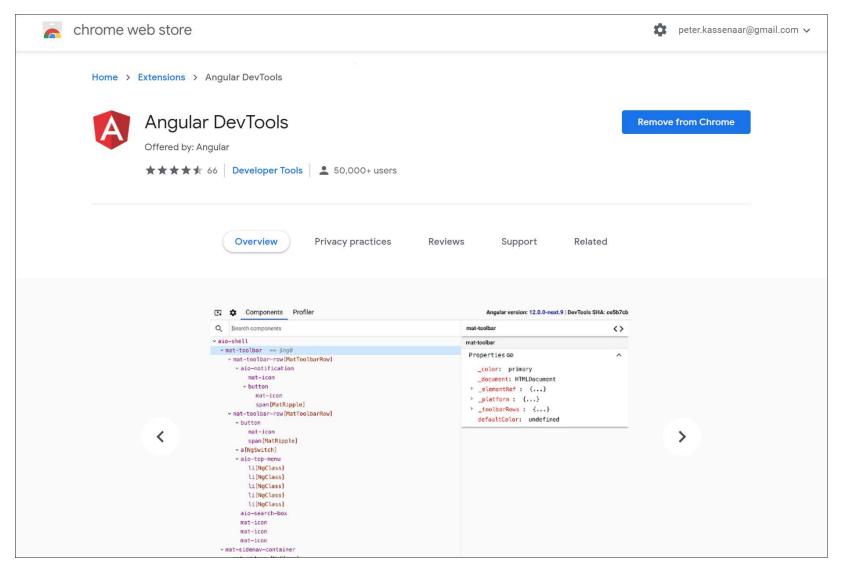
@Component({
    selector: 'app-customer',
    templateUrl: './customer.component.html',
    styleUrls: ['./customer.component.css']
})
export class CustomerComponent implements OnInit {
    constructor() {}
    ngOnInit() {}
}
```

#### **Angular CLI**



#### https://angular.io/cli

#### **Debugging/Analyse tool - Chrome DevTools**



https://chrome.google.com/webstore/detail/angular-devtools/ienfalfjdbdpebioblfackkekamfmbnh

#### Ng serve

- Vervult verschillende rollen (kan ook handmatig)
  - 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**

Notatiewijze in HTML-views/templates

```
    Simple data binding {{ ... }}
    Event binding (...) = " . . . "
    One-way data binding [...] = " . . . "
    Two-way data binding [ (ngModel) ] = " ... "
```

# Vragen?

#### **Vandaag**

- data binding
  - two-way binding
- Belangrijk concept: Services
  - Static Services
  - Dependency Injection / @Injectable()
  - HttpClientModule,
  - RxJS / Observables,
  - GET-ing en POST-ing data
- Component Communication
  - @Input(), @Output()

#### Woensdag 22 november – dag #3

- Vragen + herhaling Observables
- Component Communication
  - @Input(), @Output()
  - Custom Event Bus, Subject<Type>()

#### Routing

- Basic routing
- Routing parameters

#### Forms

- Template Driven Forms
- Model Driven Forms



# 22 November

## 09:00 hr