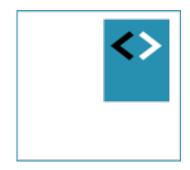


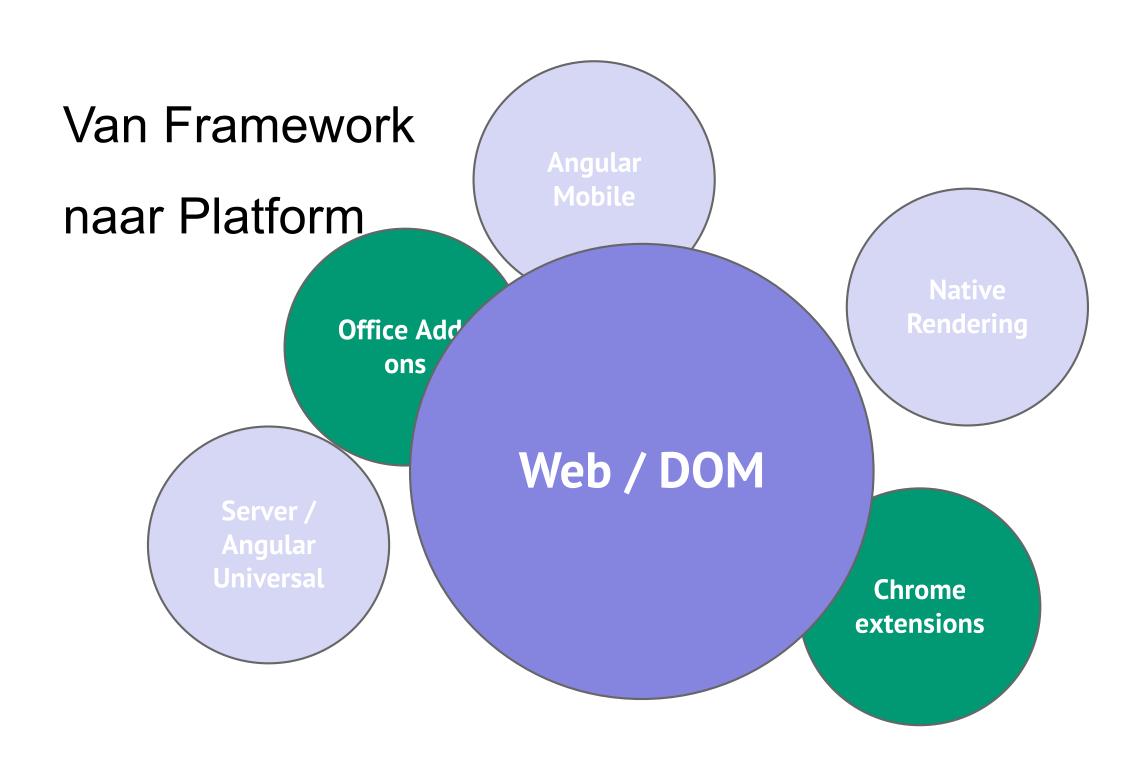
# Angular Fundamentals Korte herhaling dag 1

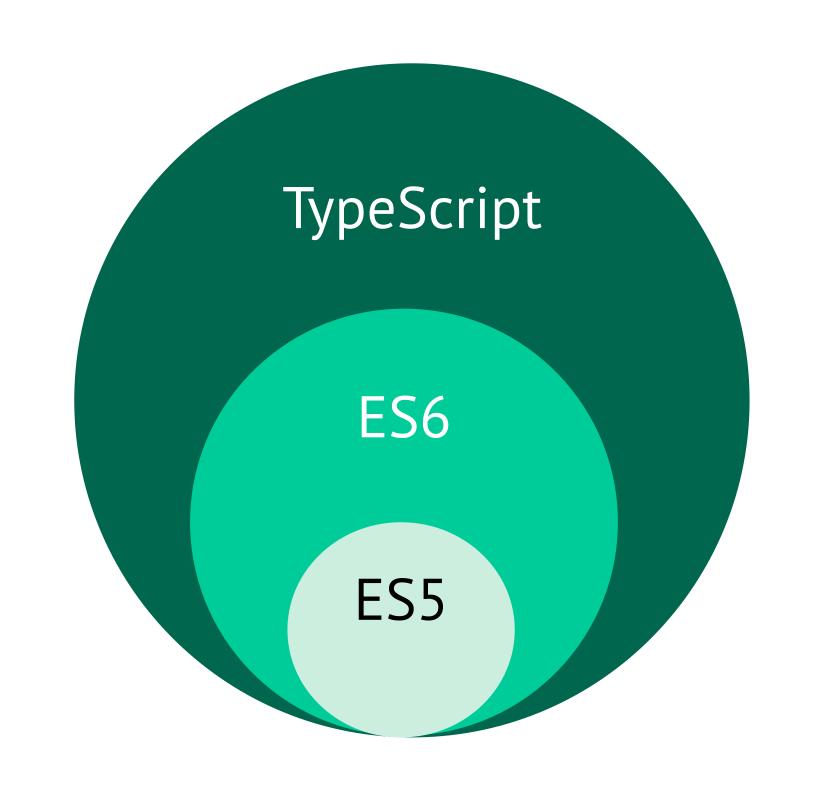


Peter Kassenaar – info@kassenaar.com

#### **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





# **Boilerplate code - stappenplan**

1. Set up environment, boilerplate & libraries

```
- npm install
```

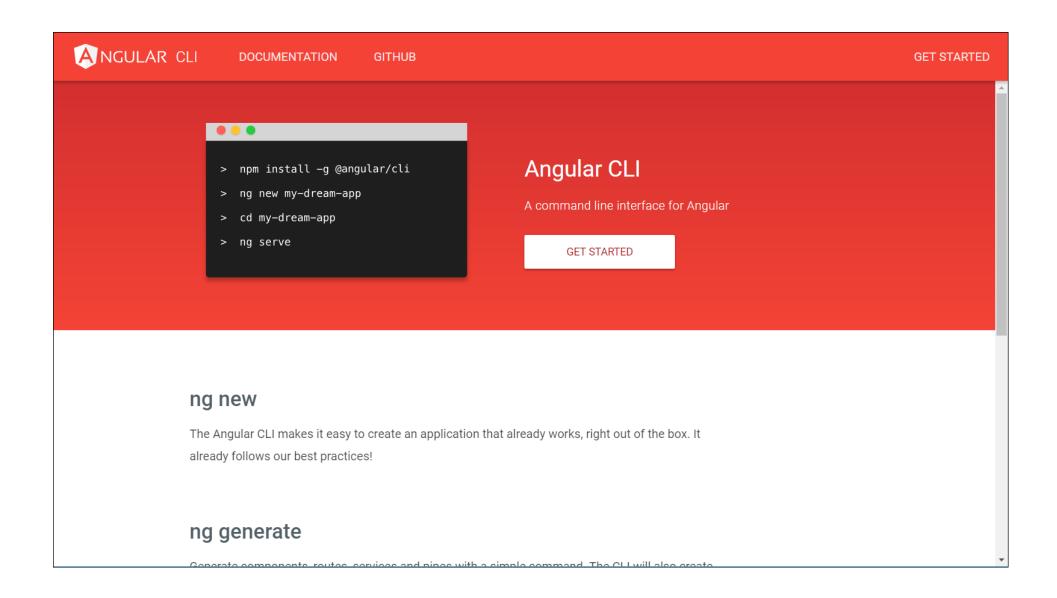
- 2. Schrijf Angular Root Component & Module voor de app
- 3. Bootstrap
- 4. Schrijf HTML-pagina (index.html)
- 5. Run applicatie
  - npm start

#### **Components**

- @Component decorator
- View
- Controller / Class

```
import { Component, OnInit } from '@angular/core';
      @Component({
           moduleId: module.id,
           selector: 'some-component',
           templateUrl: 'some.component.html'
7
      1})
       export class SomeComponent implements OnInit {
           constructor() { }
10
           ngOnInit() { }
11
12
           // ... more Logic
13
14
```

# **Angular CLI**



#### 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**

Nieuwe notatiewijzen in HTML-views/partials.

```
1. Simple data binding {{ ... }}
```

- 2. Event binding (...) = "..."
- 3. One-way data binding [...]="..."
- 4. Two-way data binding [(ngModel)] = " ..."

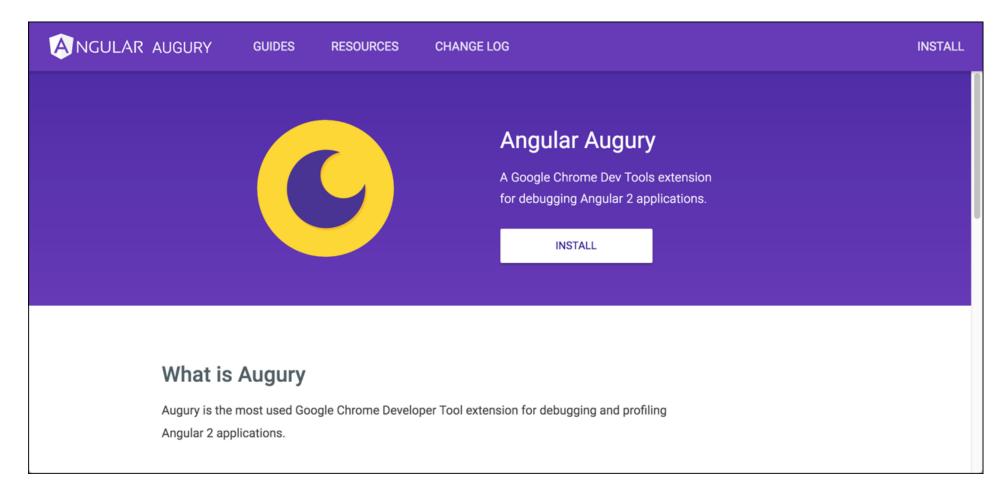
#### **Event binding**

- Niet-DOM events binden: @HostListener()
- Event van View → Controller?
  - \$event doorgeven als parameter
- Local Template Variable, #
- @ViewChild('varName') voor doorgeven DOMelement aan controller/class

### **Vandaag**

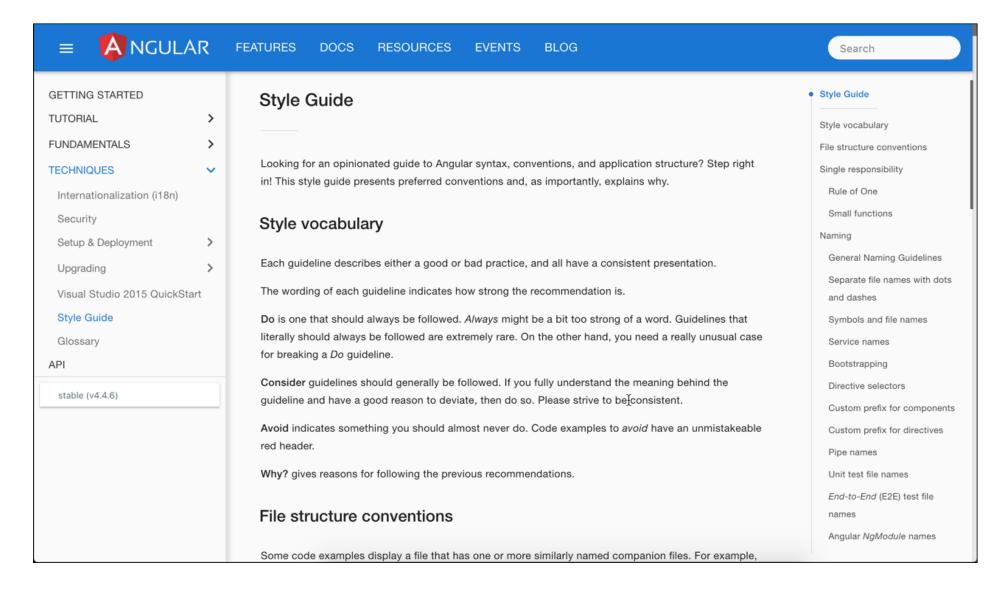
- Afronden Attribute binding
- two-way Data Binding
- Services
  - Static Services
  - RxJS / Observables, Live API's
- Tree of components
  - Applicaties opbouwen met meerdere componenten
  - Data flow tussen de componenten
  - @Input() en @Output()
- Case

# **Debugging/Analyse tool - Augury**



https://augury.angular.io/

# **Angular Style Guide**



### Dag 3

- Bespreking Case
- Multiple components
  - Event bus / Service bus
- POST-ing data / Live CRUD-operations
- Routing
- Forms
- Examen