Angular Fundamentals
Korte herhaling dag 1

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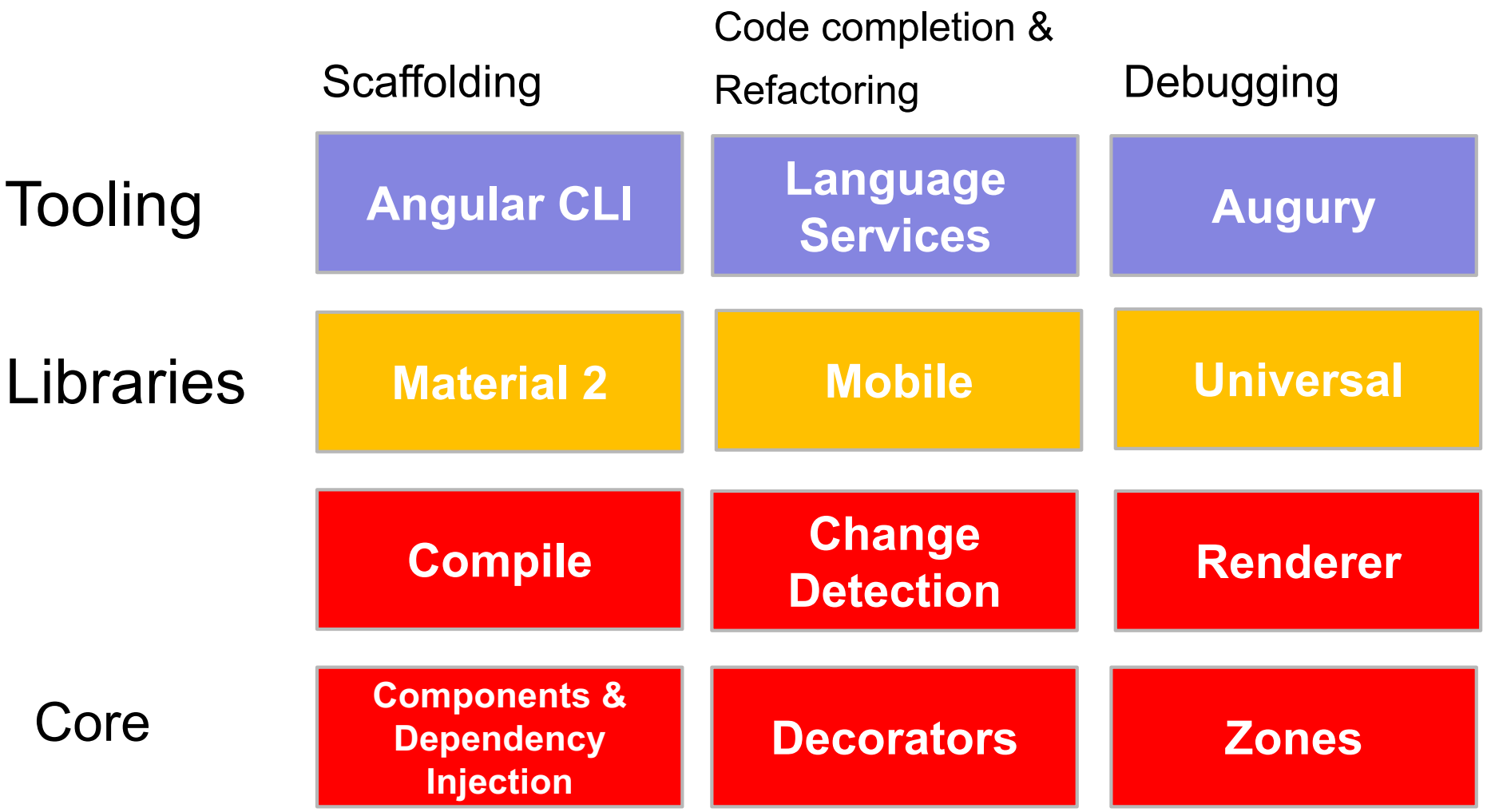
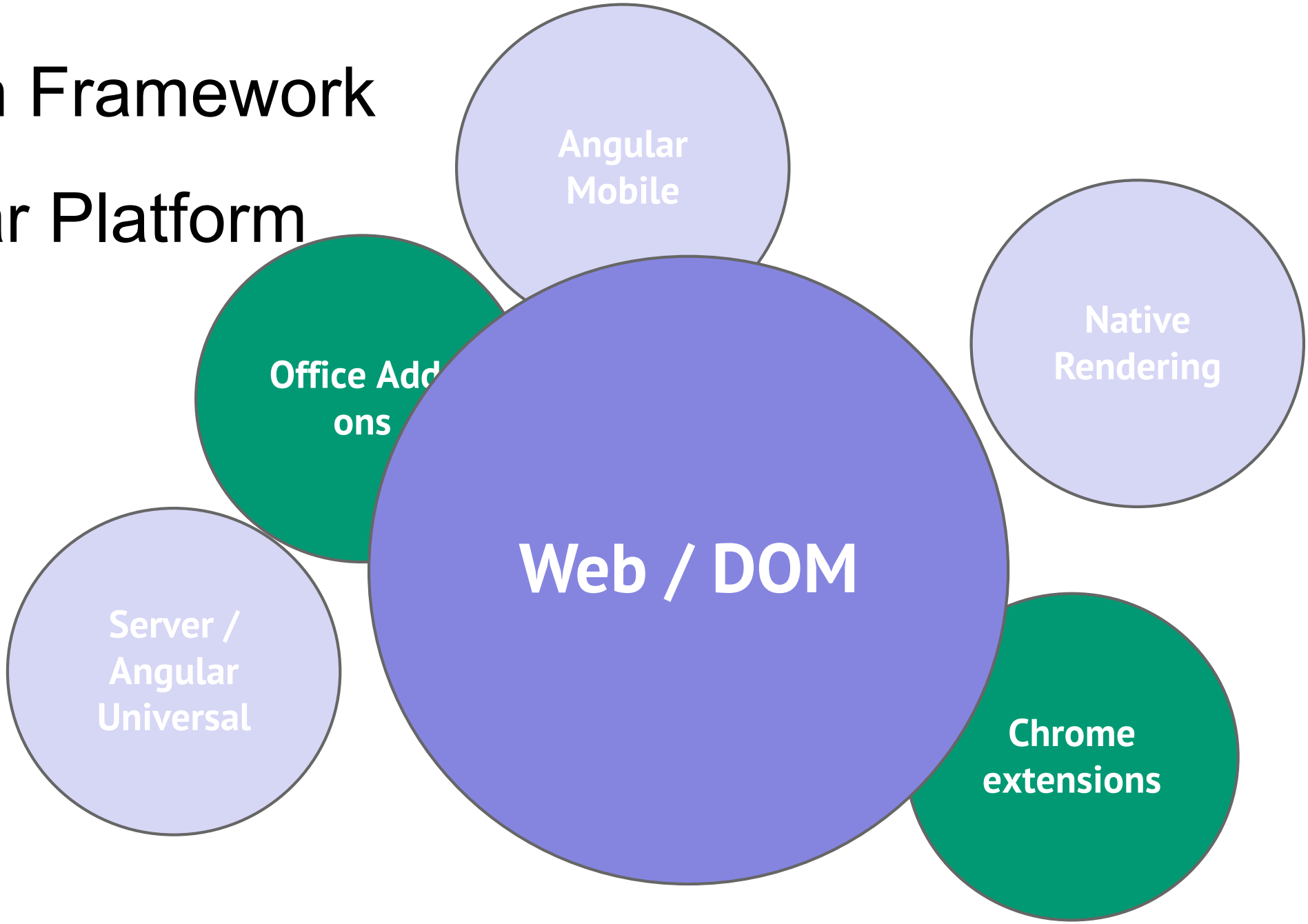
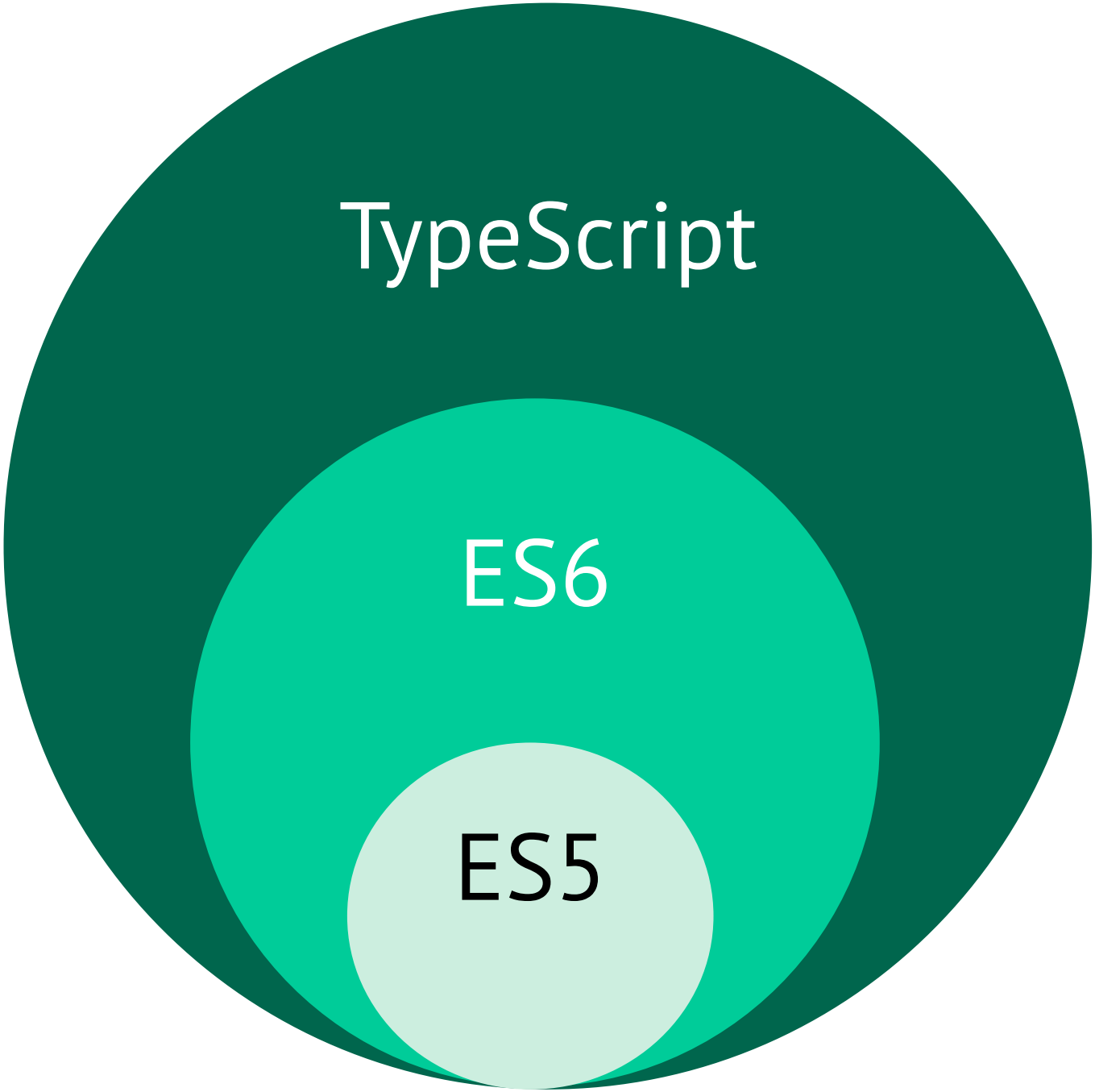
Framework to Platform



Van Framework

naar Platform




TypeScript
ES6
ES5

Boilerplate code - stappenplan

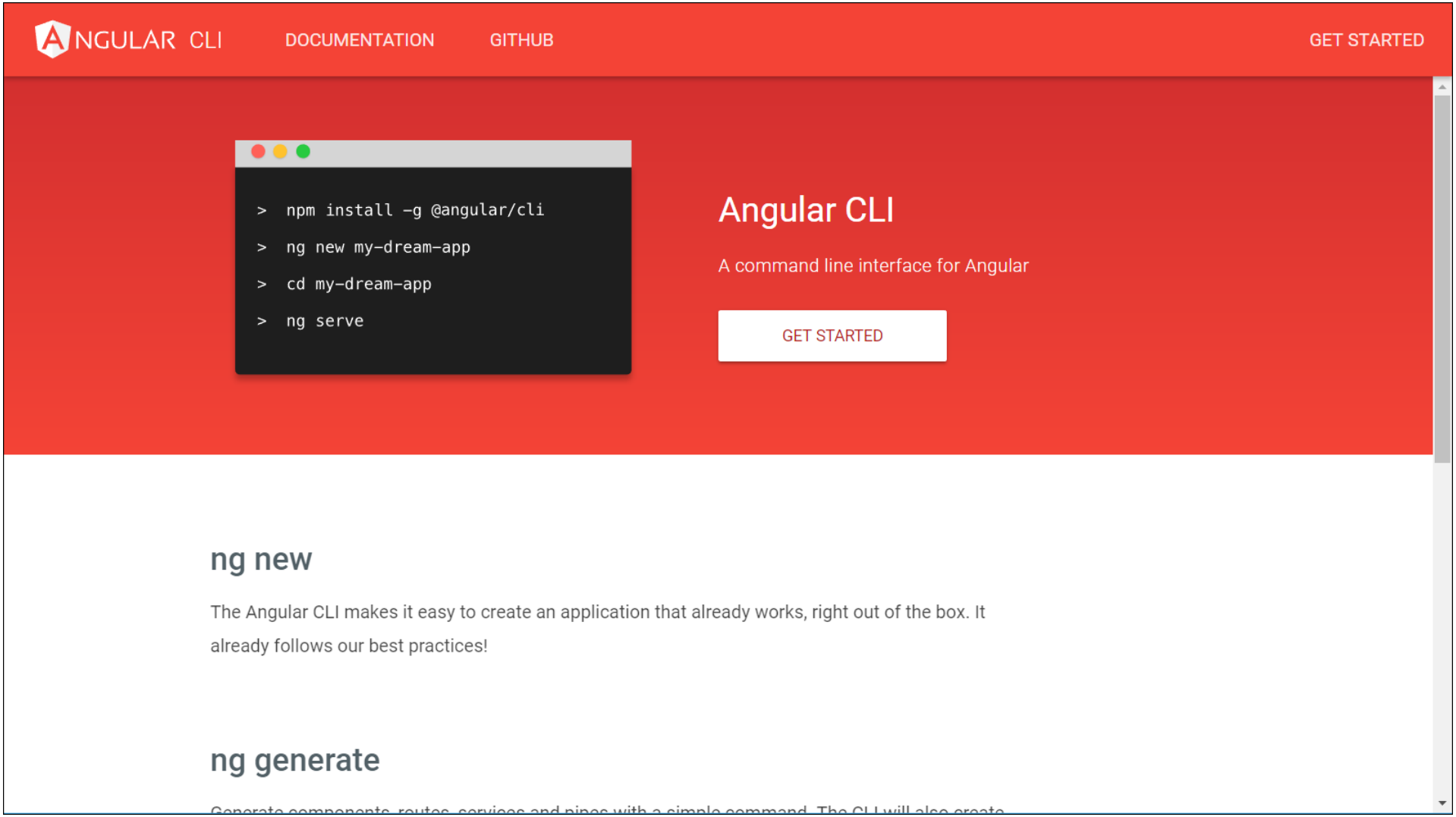
1. Set up environment, boilerplate & libraries
   - `npm install`
2. Schrijf Angular Root Component & Module voor de app
3. Bootstrap
4. Schrijf HTML-pagina (`index.html`)
5. Run applicatie
   - `npm start`

Components

- `@Component` decorator
- View
- Controller / Class

```
1  import { Component, OnInit } from '@angular/core';
2
3  @Component({
4      moduleId: module.id,
5      selector: 'some-component',
6      templateUrl: 'some.component.html'
7  })
8  export class SomeComponent implements OnInit {
9      constructor() { }
10
11     ngOnInit() { }
12
13     // ... more logic
14 }
```

Angular CLI


ANGULAR CLI
DOCUMENTATION
GITHUB
GET STARTED
> npm install -g @angular/cli
> ng new my-dream-app
> cd my-dream-app
> ng serve
Angular CLI
A command line interface for Angular
GET STARTED
ng new
The Angular CLI makes it easy to create an application that already works, right out of the box. It already follows our best practices!
ng generate

Ng serve

- Vervult verschillende rollen (*kan* ook handmatig)
    1. TypeScript compilation
    2. (SASS compilation)
    3. Fire up webserver on http://localhost:4200
    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)] = " …"`

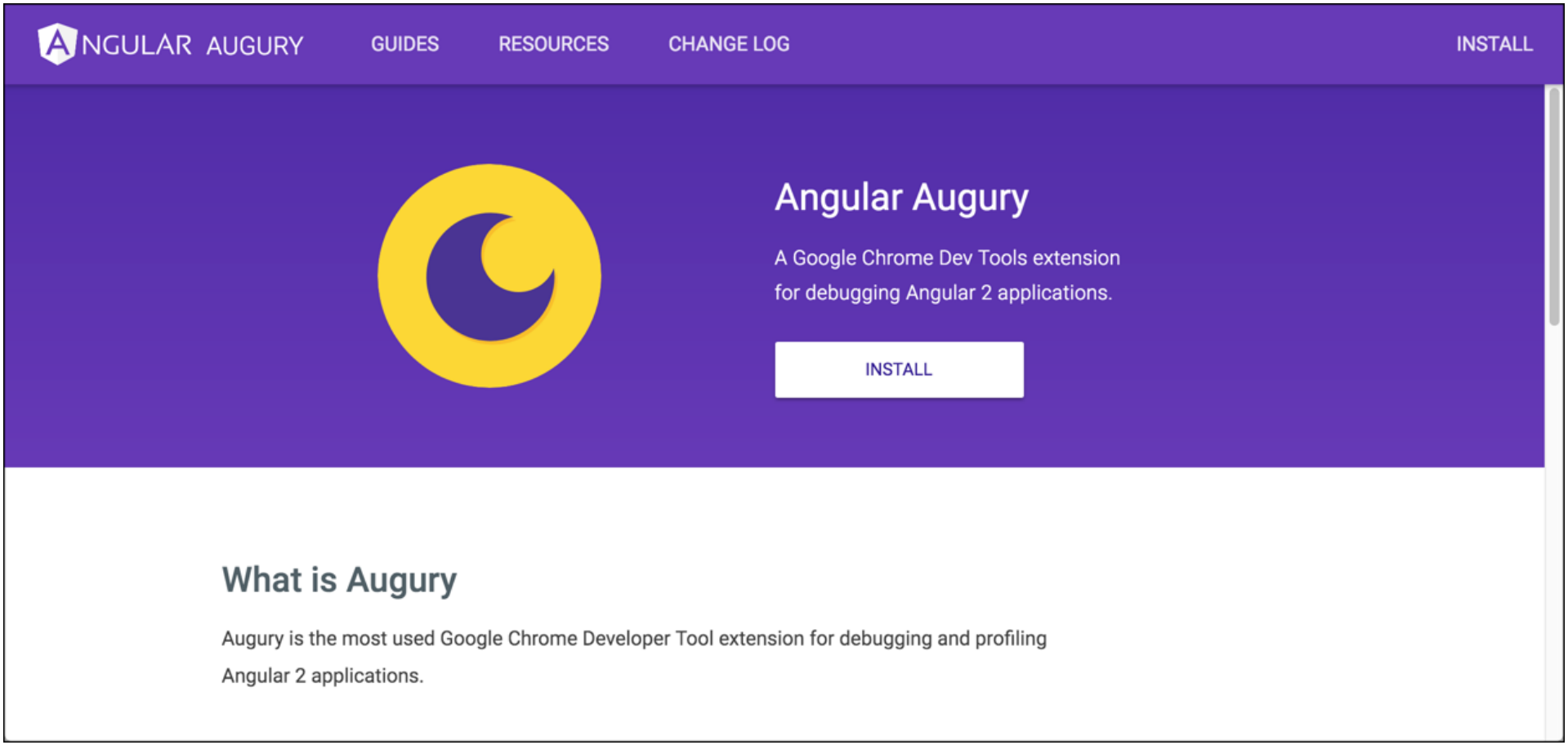
Event binding

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

Vandaag

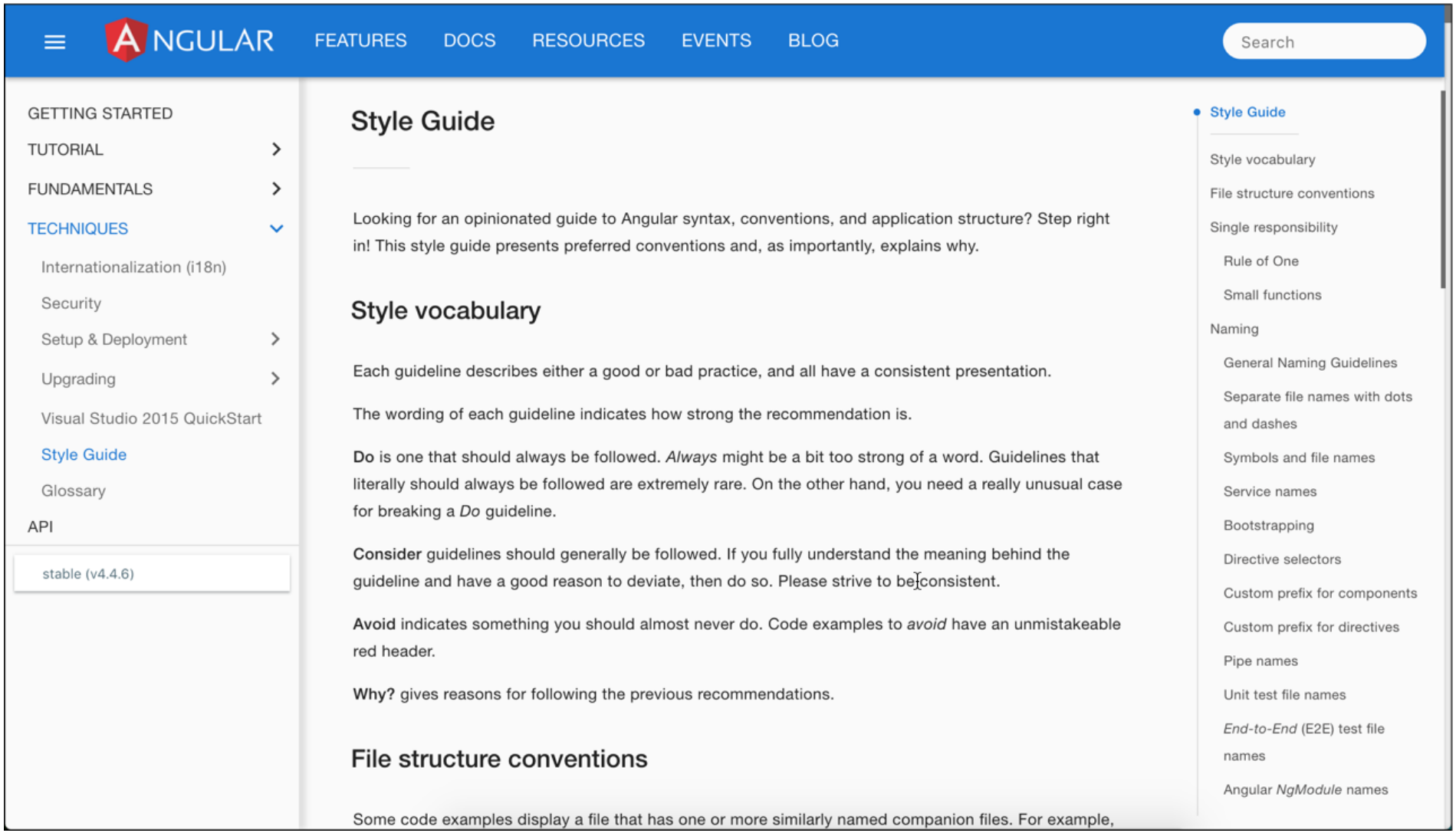
- Afronden Attribute binding
- two-way Data Binding
- Services
  - Static Services
  - RxJS / Observables, Live API’s
- Tree of components
  - Applicaties opbouwen met meerdere componenten
  - Data flow tussen de componenten
  - `@Input()` en `@Output()`
- Case

Debugging/Analyse tool - Augury



https://augury.angular.io/

Angular Style Guide



https://angular.io/guide/styleguide

Dag 3

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