

Angular 2 – dag 2 Korte herhaling



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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



Angular 2

Components

Data binding

Services

TypeScript

Routing

Classes

2.

Form

Event binding

Observables

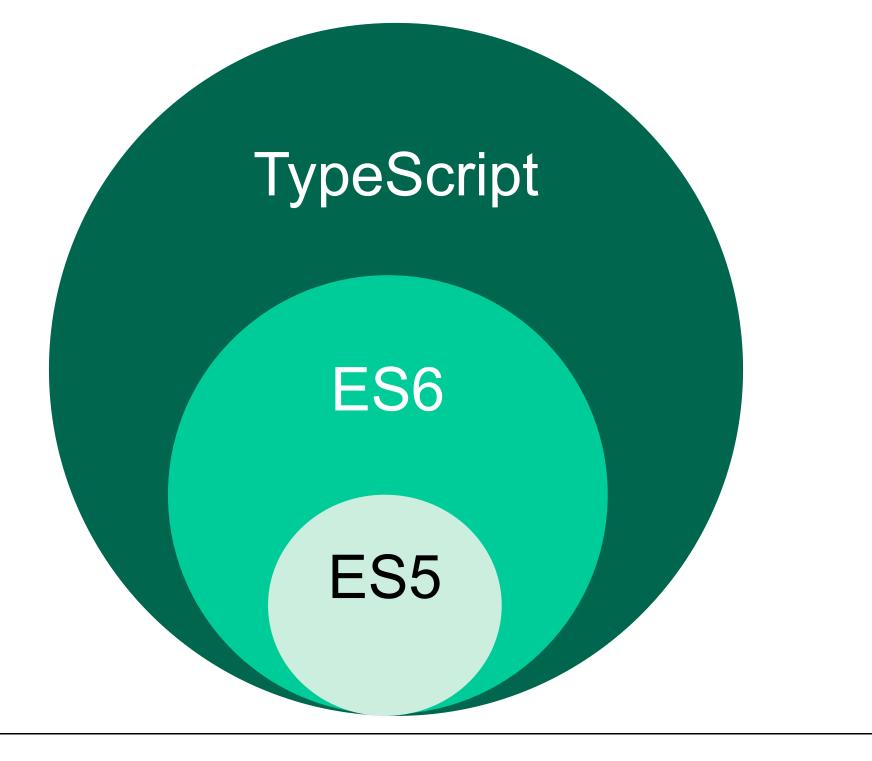
Templates

Pipes

Views

. . .







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. Test applicatie
 - npm start

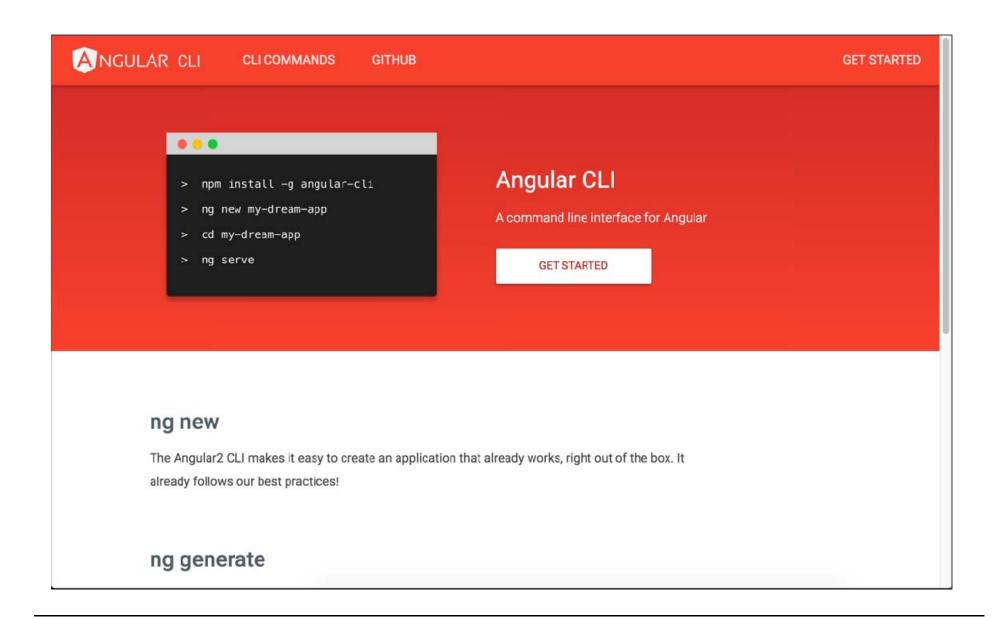


Data binding

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



Angular CLI



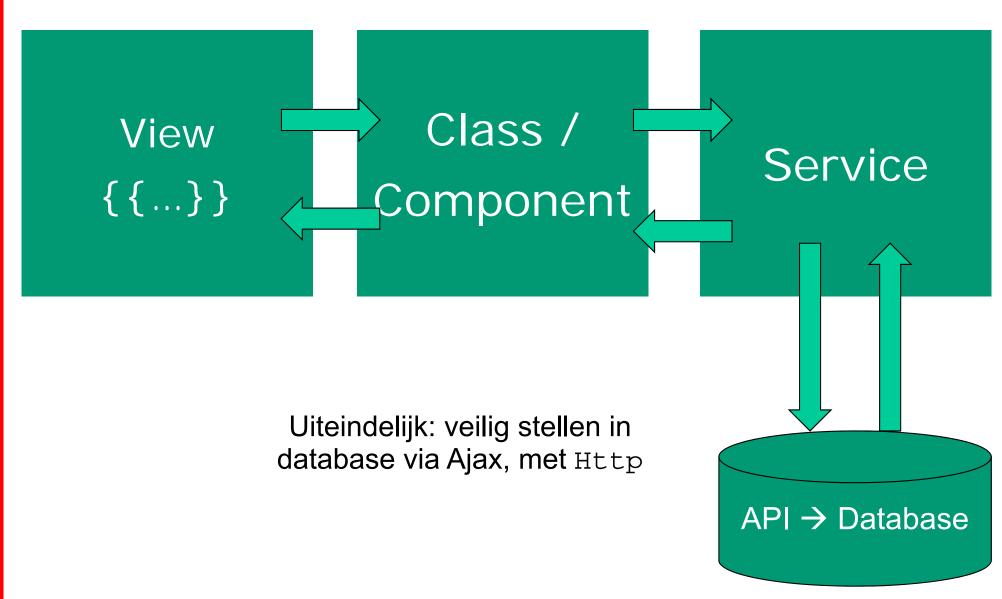


Gisteren - vervolg

- Services
 - Static services
 - Observables / rxJS
 - GET-ing data

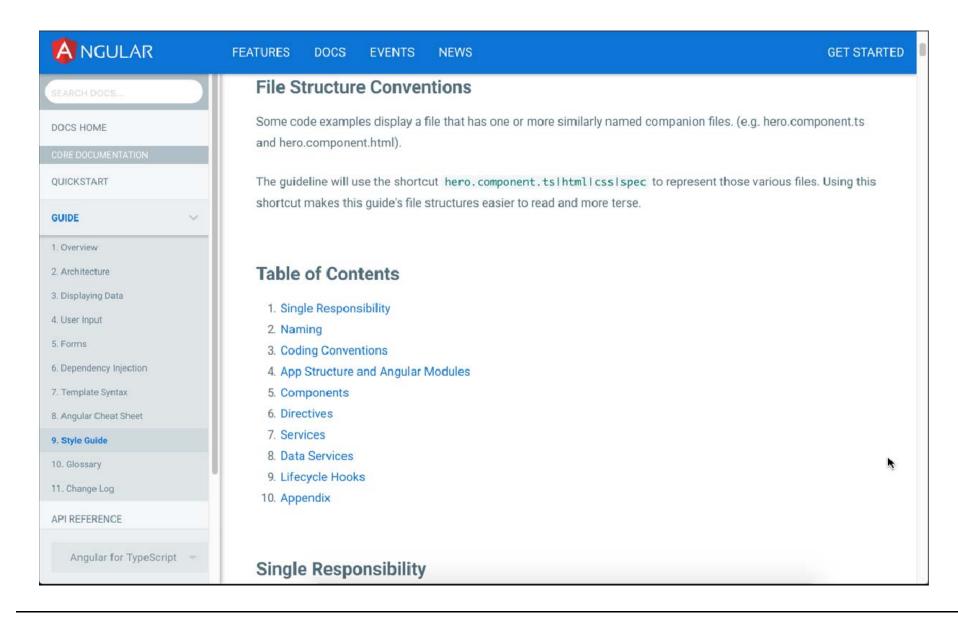


Data flow



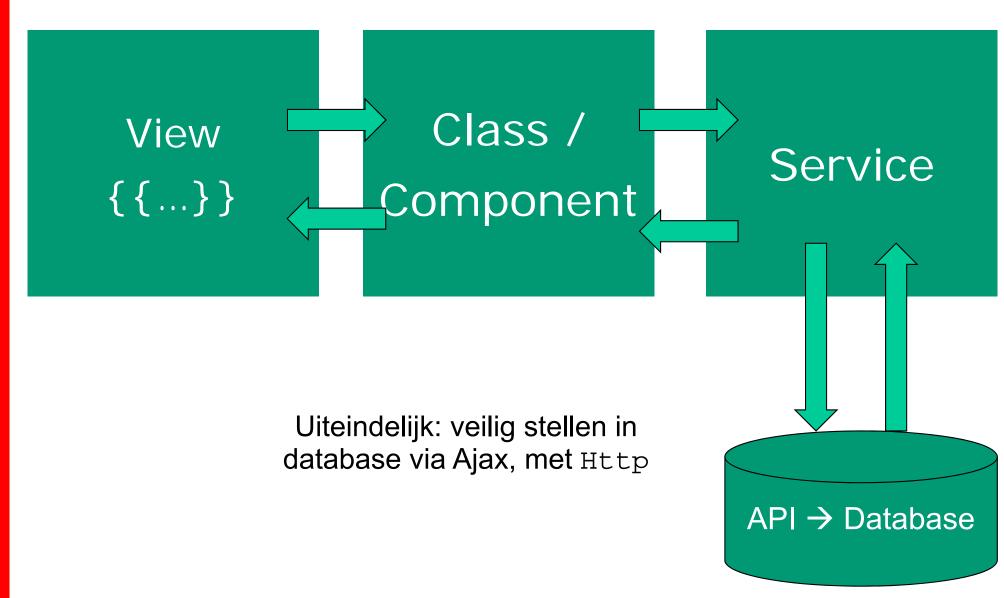


Style Guide - conventions

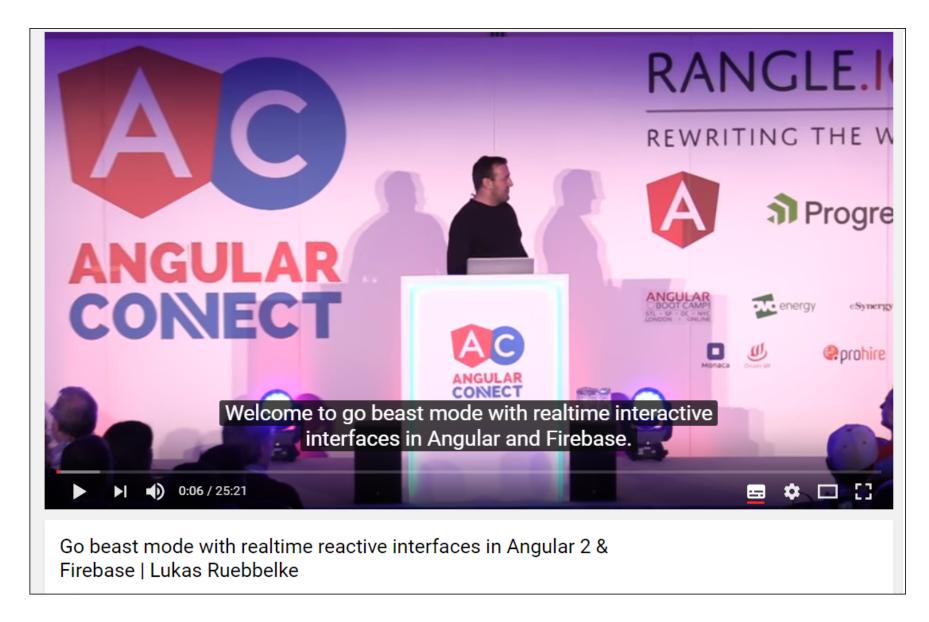




Service Data Flow







https://www.youtube.com/watch?v=5CTL7aqSvJU



Observable Cheat Sheet

genius to understand.

You can download the full-sized infographic at http://bit.ly/observable-cheat-sheet.

I really hope that you find the infographic helpful. Be sure to drop me a line below if you have any questions or comments. #highFive

OBSERVABLE CHEAT SHEET

Learning to work with observables is much like learning a new super power in that the entire process can be overwhelming! When you set aside all of the super shiny RxJS operators that you have at your disposal and start with a few key concepts, things suddenly start to come into focus and become fun.

BASIC OBSERVABLE SEQUENCE

The basic observable sequence is the foundation of everything we do with observable streams. In its simplest form, we have an **initial output** of data that we capture and then determine where we will **input** it into the application in its **final** form. We refer to data that arrives in the subscribe block as **final input** because it is no longer under control of the stream as it is being inputted in its final form to the application.



Observable.fromEvent(this.btn, 'click')

http://onehungrymind.com/observable-cheat-sheet/



Vandaag

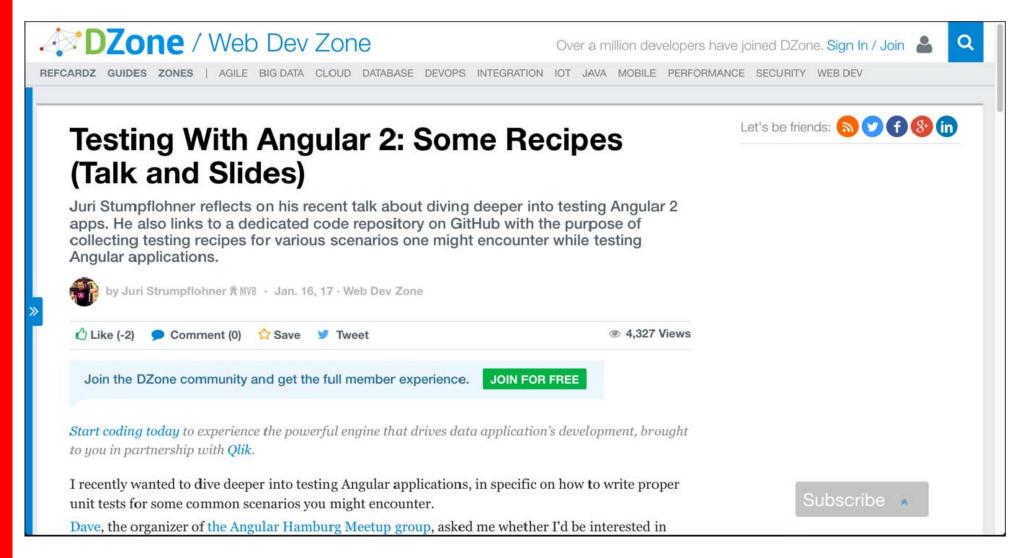
- Extra Testing / ~Augury
- Vervolg Observables
 - Live API's
 - Subscribing to streams
- Tree of components
 - Applicaties opbouwen met meerdere componenten
 - Data flow tussen de componenten
- Custom events en Custom attributes schrijven
- Routing
- (forms)



Testing - some shortcuts



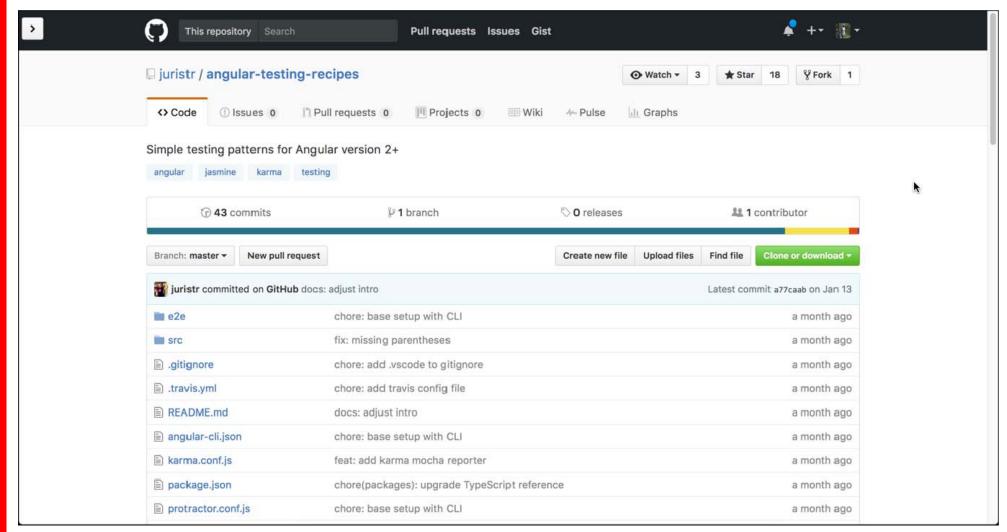
Goed introductie artikel



https://dzone.com/articles/talk-testing-with-angular-some-recipes



Repo – Angular Testing recipes



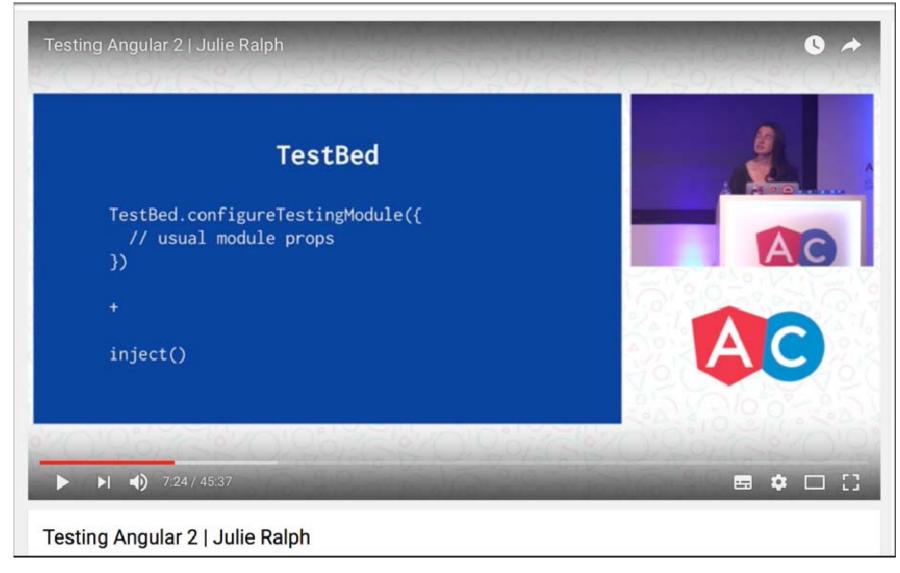
https://github.com/juristr/angular-testing-recipes



```
describe('AppComponent', () => {
 6
         beforeEach(() => {
           TestBed.configureTestingModule({
 8
             declarations: [
 9
               AppComponent
10
11
12
           });
         });
13
14
         it('should create the app', async(() => {
15
           let fixture = TestBed.createComponent(AppComponent);
16
           let app = fixture.debugElement.componentInstance;
17
           expect(app).toBeTruthy();
18
         }));
19
20
         it(`should have as title 'app works!'`, async(() => {
21
           let fixture = TestBed.createComponent(AppComponent);
22
           let app = fixture.debugElement.componentInstance;
23
           expect(app.title).toEqual('app works!');
24
         }));
25
```



Videos on testing

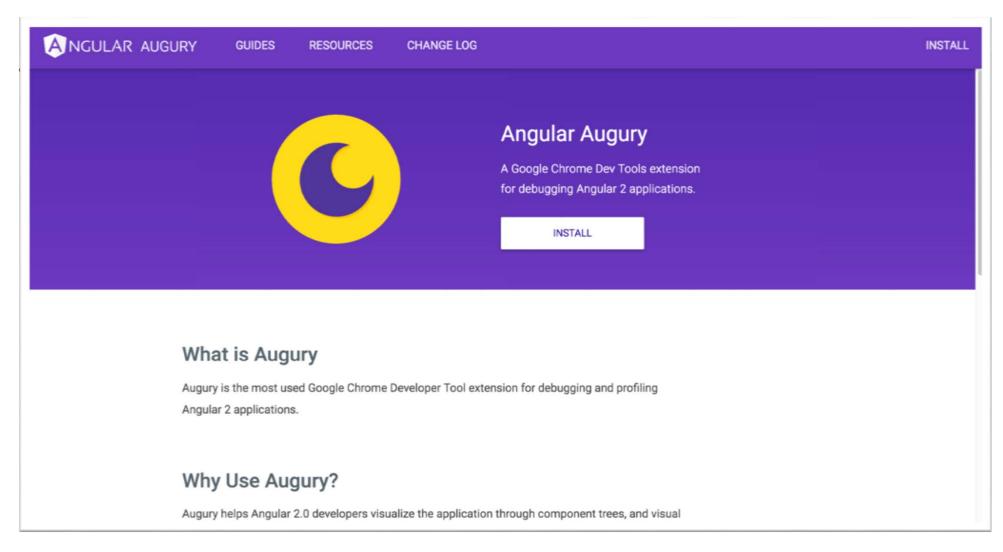


https://www.youtube.com/watch?v=f493Xf0F2yU



Augury - debugging & analysis





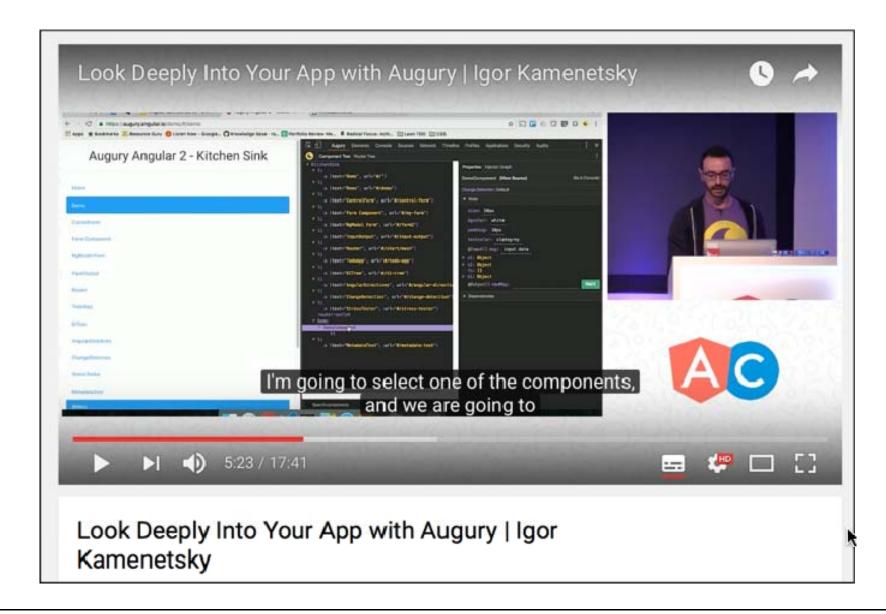
https://augury.angular.io/



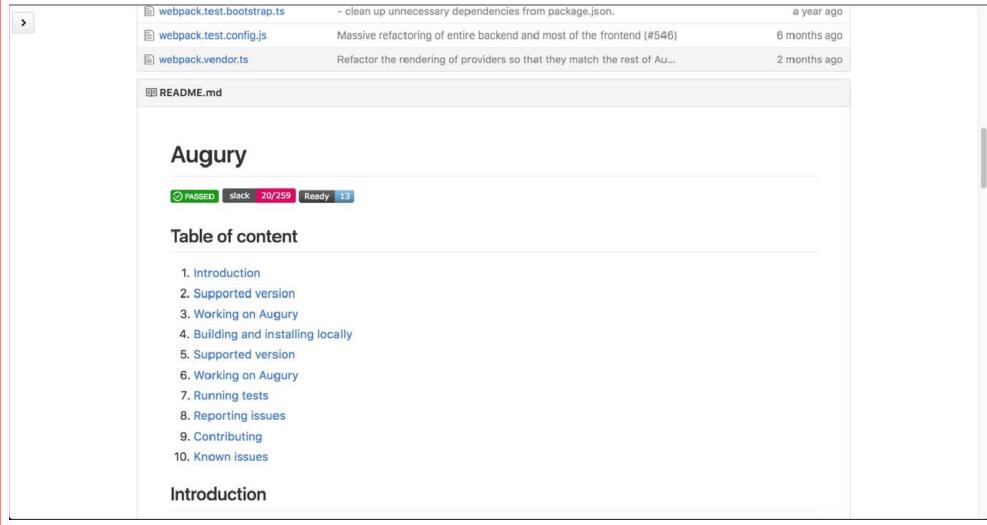
Extra

- Debugging Augury
 - Extension to Chrome
- Insight in application architecture
- Insight in Routing structure
- Two themes dark/light
- Insight in @ngModules / dependencies
- Install via Chrome Extions Store





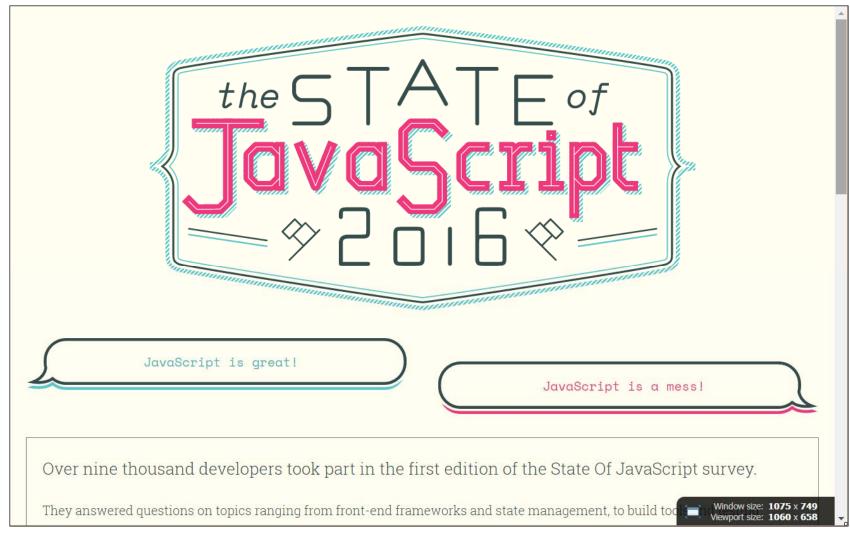




https://github.com/rangle/augury



State of JavaScript



http://stateofjs.com/