Angular Fundamentals day 3 - Short recap



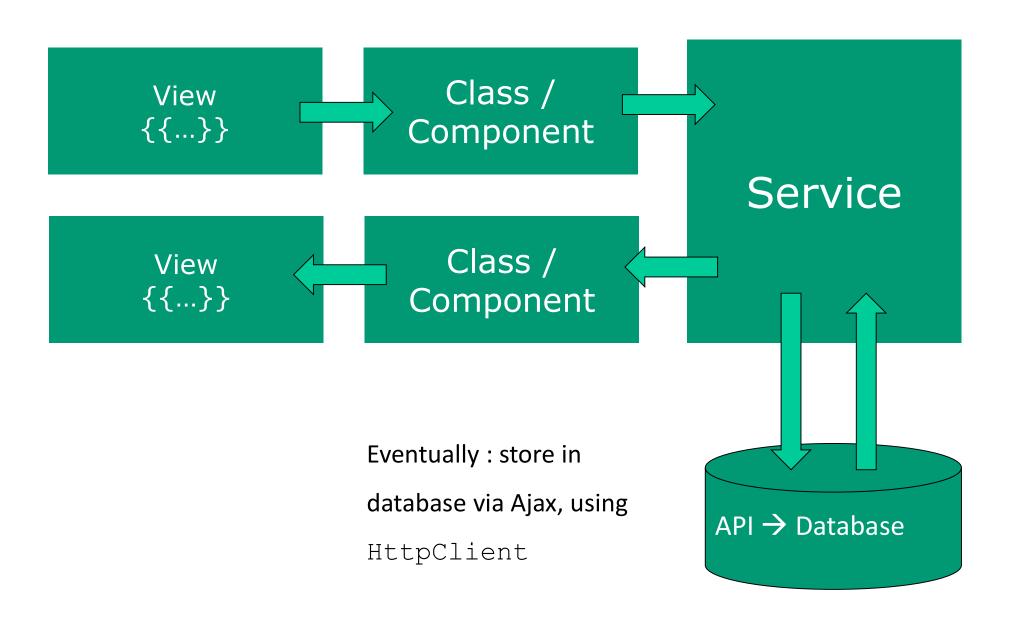


Peter Kassenaar – info@kassenaar.com

Yesterday

- Data binding (continued)
 - Attribute binding [...]
 - Two-way Data Binding [(ngModel)]
- Services
 - Static Services
 - RxJS / Observables
 - Live API's Movie API, RestCountries API
- Component Communication @Input()

Services with multiple components



Main concept:

Dependency Injection

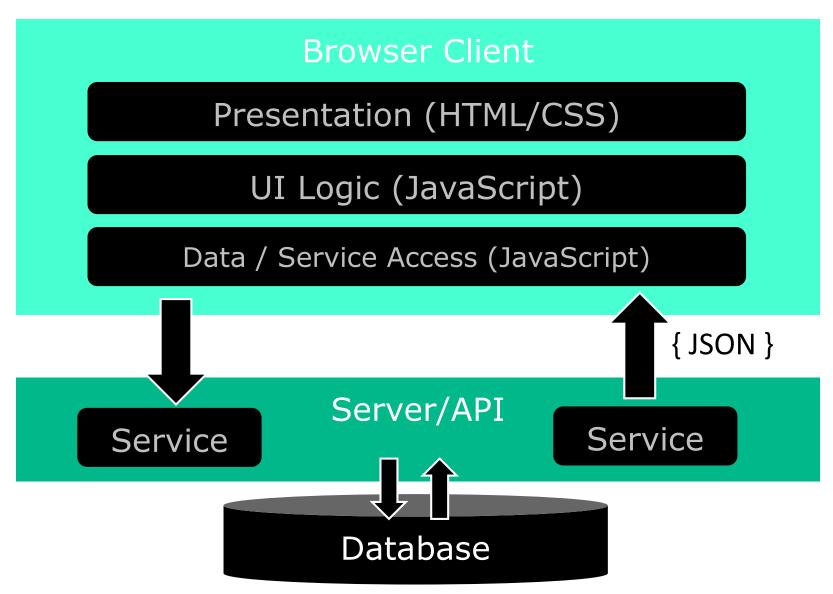
Angular http-calls

Initial Output

```
this.http.get<City[]>('assets/data/cities.json')
  .pipe(
     filter(...),
                                              Optional:
     map(...)
                                             operator(s)
  .subscribe((result) => {
    //... Do something
});
                                             Final Input
```

Single Page Application

2010 - 20??



Main concept:

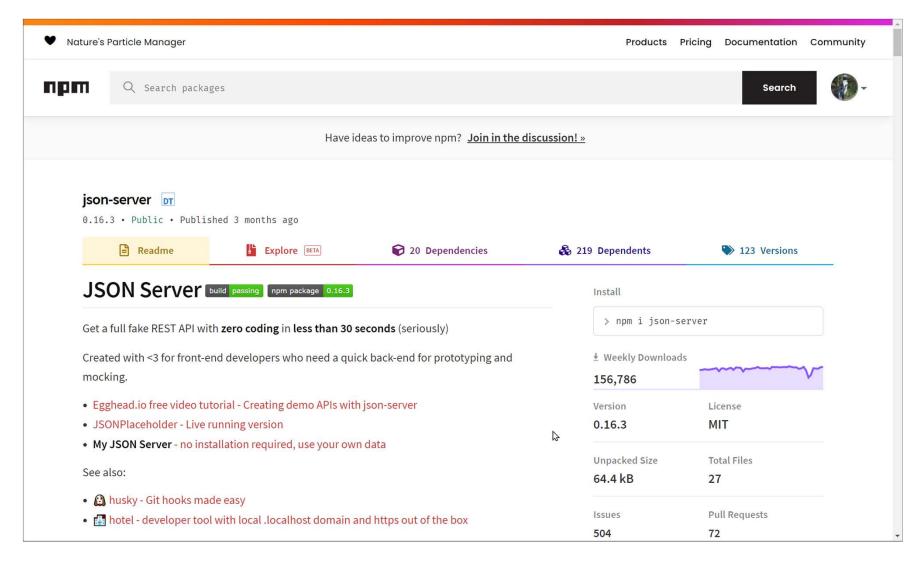
Communicating via Http

POST-ing data to an API (and 'real' CRUD)

• examples\205-services-http-crud



Json-server documentation

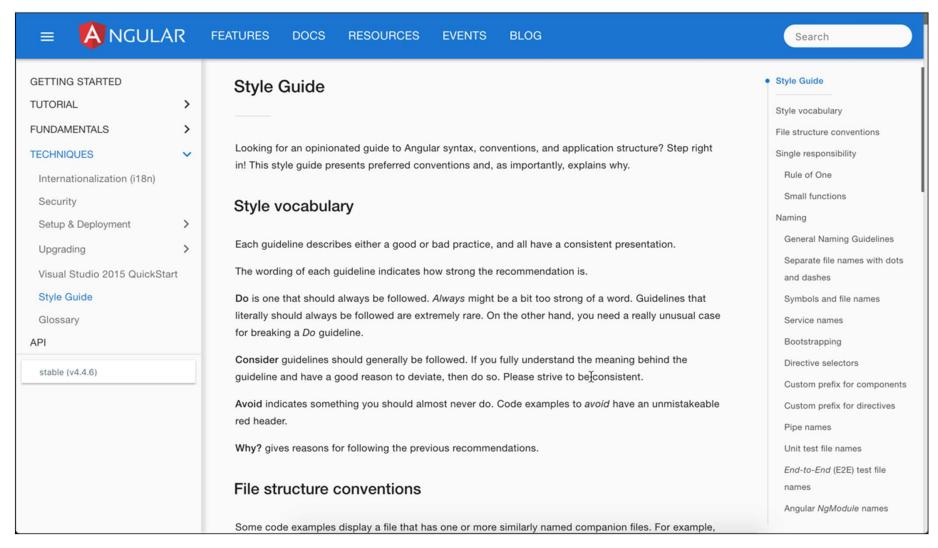


https://www.npmjs.com/package/json-server

Other question?

Questions?

Angular Style Guide



https://angular.io/guide/styleguide

Today

- Component Communication using @Input() and @Output()
- Writing an Event bus using Subject<Type>
- Routing
- Forms
 - Template driven Forms
 - Reactive Forms

Angular - Next Steps, Advanced

- Working with Multiple Modules, lazy loading
- Advanced Routing
 - Routing guards, multiple router outlets
- Advanced components
 - Design patterns
- Angular in the enterprise
 - Creating Angular Libraries / monorepos
- Unit Testing E2E Testing
- Introduction State Management with @ngrx/store

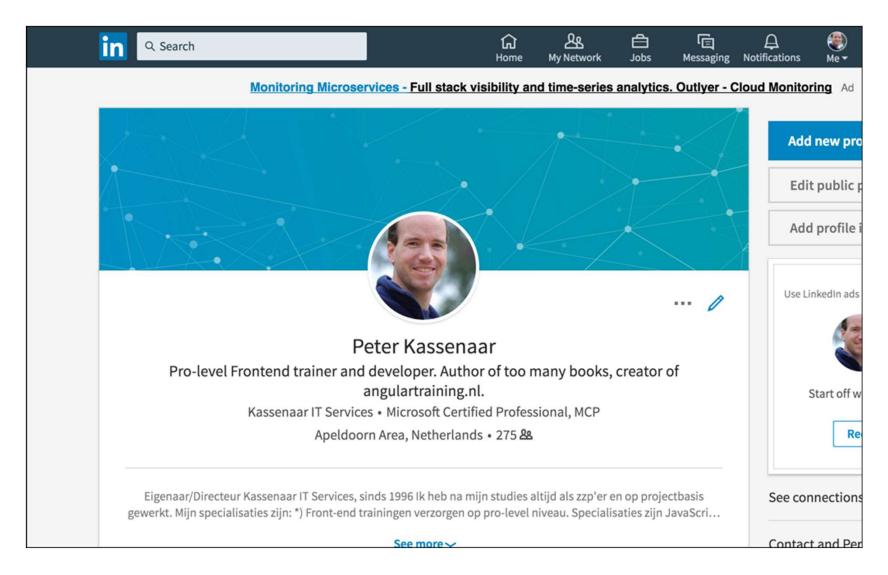
Have we reached our Goals?

- 1. You will learn about the structure and architecture of Angular Apps. From a small hello-world app to the largest enterprise applications.
- 2. You are familiar with the main Angular concepts of the framework. You can always google the code details yourself.
- 3. You will have some hands-on experience regarding creating apps and components, services, API's/backends, security concepts, routing and forms.
- 4. You will have a general understanding of the way modern web apps are created using Angular, TypeScript and build tools.

General concepts

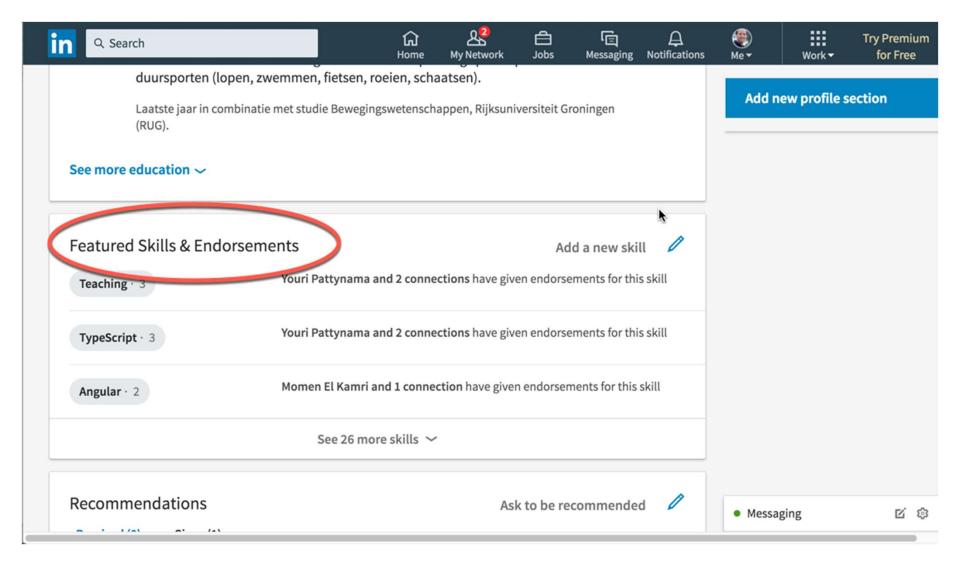
- Introduction & short history Why Angular?
- Key features of Angular 2 to 10
- boilerplate-code CLI file structure
- More Angular concepts:
 - Components
 - Data binding (4 types)
 - Dependency Injection (DI)
 - Services and Http,
 - Observables (RxJS), working with backend/API's
 - Component communication
 - Routing, [Reactive] Forms

Let's keep in touch



https://www.linkedin.com/in/peterkassenaar/

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