Rangle's Angular Training Book brief reading guide

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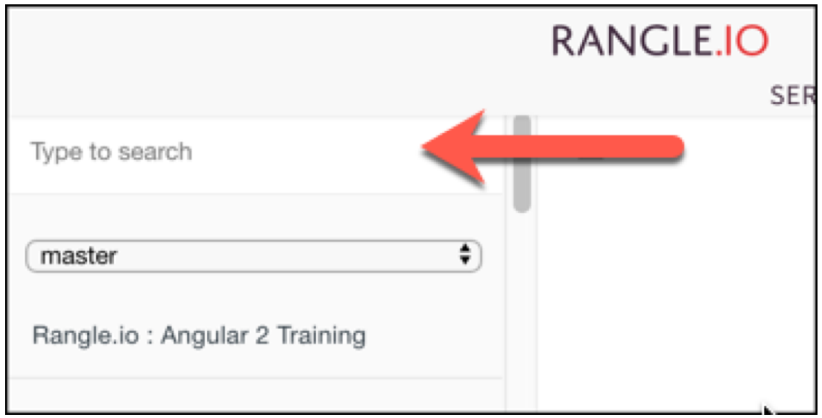
https://angular-2-training-book.rangle.io/

Rangle's Angular Training Book

Over the last three and a half years, Angular has become the leading open source JavaScript application framework for hundreds of thousands of programmers around the world. The "1.x" version of Angular has been widely used and became extremely popular for complex applications. The new Angular 2.x has also announced its final release version.

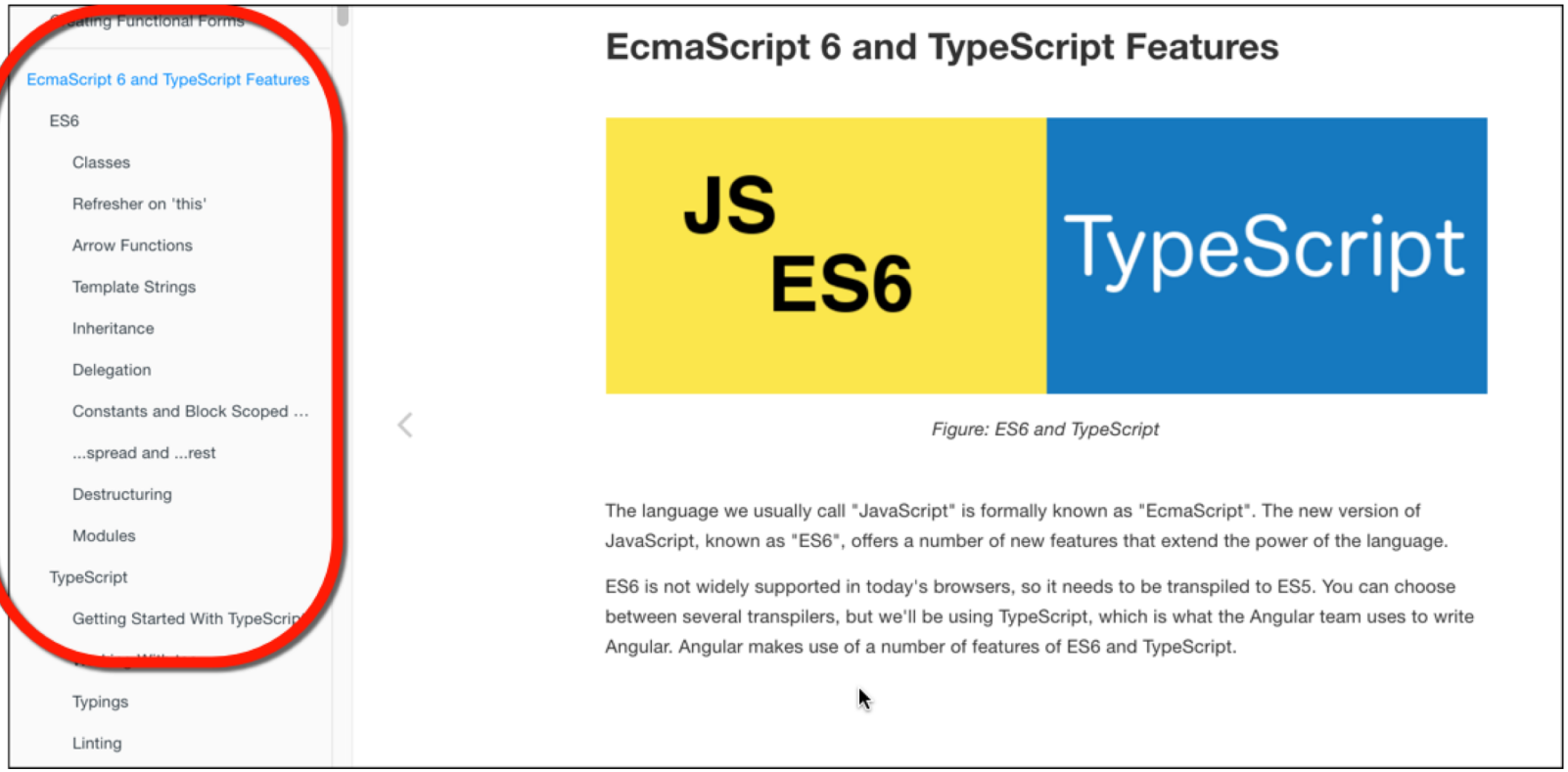
In General

- In addition to the Dutch book on Angular
- The book can be read linearly.
- Each page has previous/next indicators on the sides.
- Not everything is important for the Océ Angular Fundamentals training.
- The order in this book, differs from the training.
- You can fulltext-search the book!



Chapters

- **EcmaScript 6 and TypeScript Features** – Read if you want to know more about the backgrounds of ES6 and TypeScript. No 100% knowledge required for the training.



Chapters

- **The JavaScript Toolchain** – Useful background information on Git, Command Line and more. Recommended.

Chapters

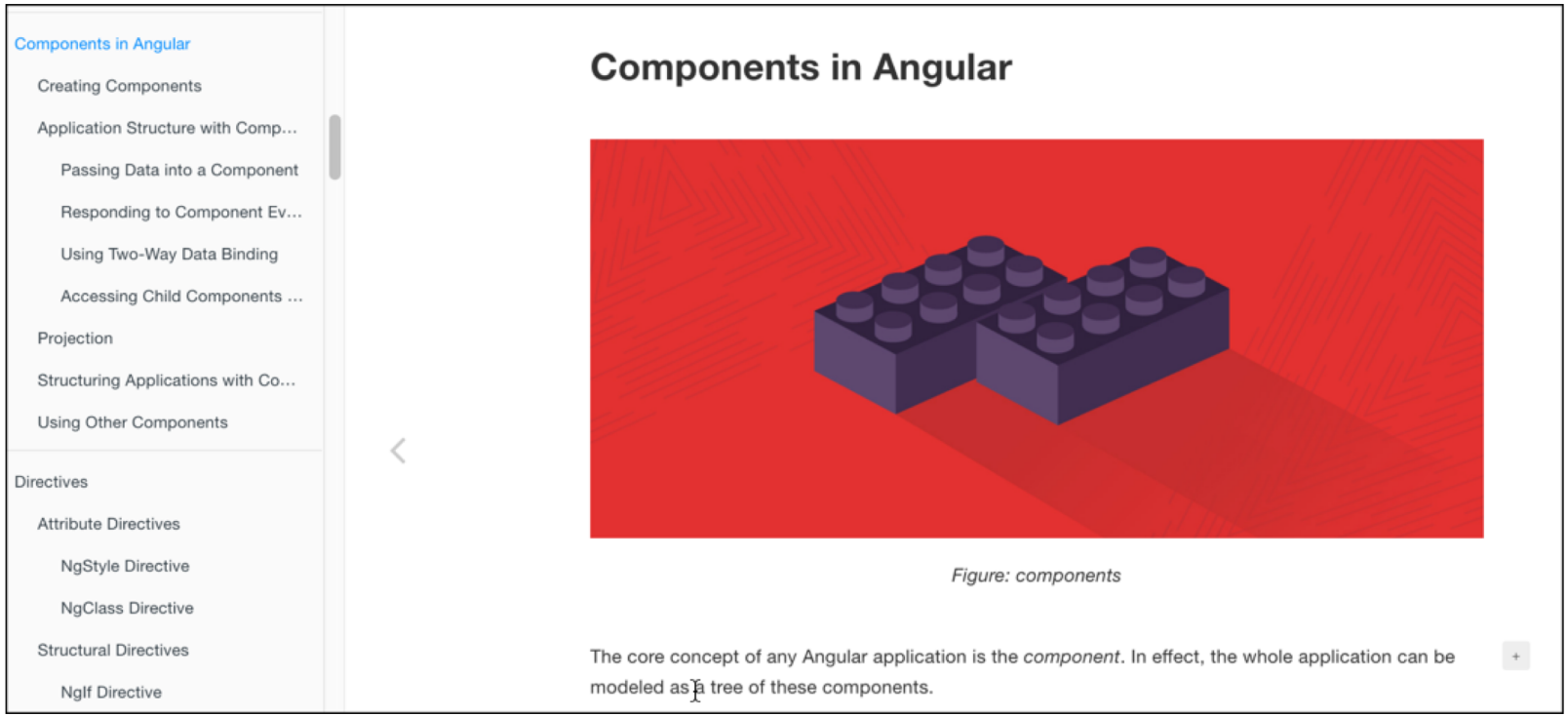
- **Bootstrapping an Angular Application** – Useful background information on Git, Command Line and more. Recommended.

- **Understanding the File Structure –** Important!

- **Bootstrapping Providers** – less important in the beginning. Read this again later, if you know more about Services. Then it all falls into place.

Chapters

- **Components in Angular**– Comparison between AngularJS 1.x directives and Angular 2 components. Can be useful.
- Read this chapter. Especially as a reference. You can forget about *Content Projection* for the moment.



Chapters

- **Directives** – Good as a reference. Background info on `*ngFor` and `*ngIf`
- `NgSwitch`, `NgStyle` and `NgClass` are used less frequently.

- **Advanced Components** - Interesting as a reference. `ViewChild()` and View Encapsulation were not discussed in training, but possibly interesting for you.

- **Observables -** Important chapter. Discussed differently than in the training, but certainly a good reference.

Chapters

- **Angular Dependency Injection** – Background information on using DI. Particular attention to mechanics. In the training, the emphasis is on *using* DI, not on the internal operation.

- **HTTP –** Extensive reference on working with `Http requests`. However, in the 'old' way, by using the `HttpModule`. We now use use `HttpClientModule`.
- At the time of writing, the book had not yet been adapted to this.
- Interesting introduction to other RxJS concepts, but not 100% important at this moment.
    - We now use the `.pipe()` operator in RxJS

Chapters

- **Change Detection** – Good as a reference. Not required to know the internals of CD. Only if you are interested.

- **Zones -** Idem.

- **Advanced Angular** – Idem

- **AoT in Angular –** Idem

Chapters

- **Immutable.js** – Again: good to get to know the internals of this.
- At the moment, however, it is used little as a stand-alone principle. Often in combination with State Management tool like `@ngrx/store`.
- *Not mandatory!*

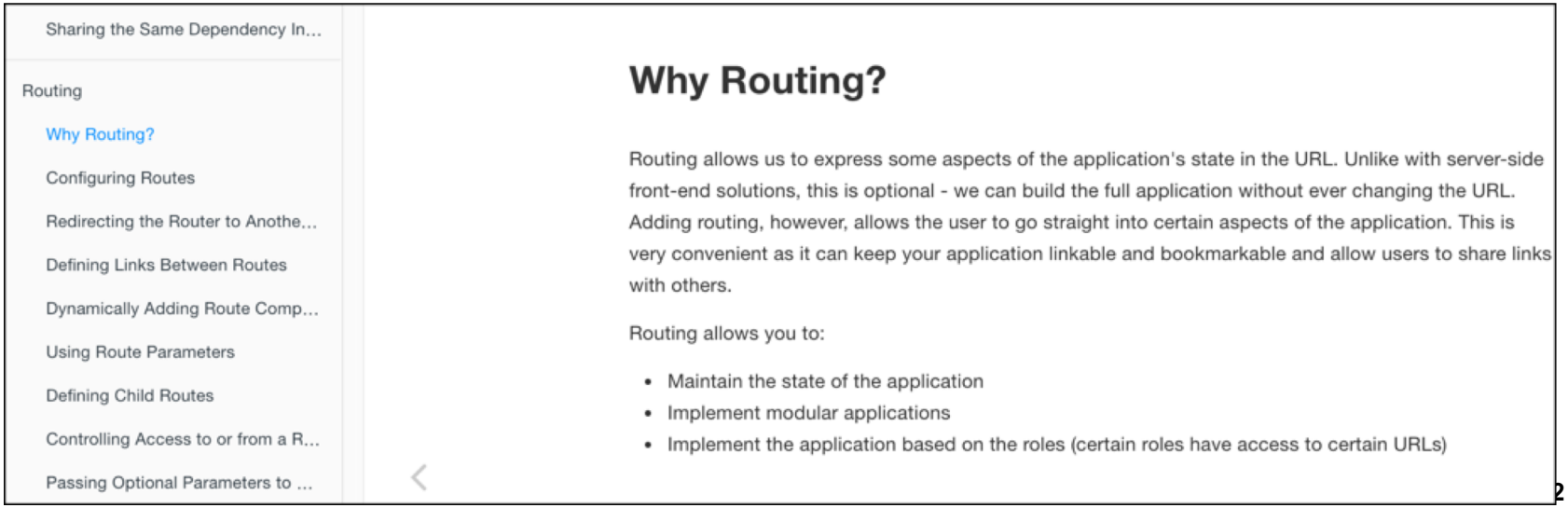
- **Pipes –** useful background information. The successor of Angular 1.x Filters.

- **Forms –** Interesting chapter with background information on Forms. Reading is recommended.

Chapters

- **Modules** – Useful to learn more about dividing larger Angular Applications into separate feature modules. Recommended. We will cover this in the *Advanced* training.

- **Routing –** Read this. At least the basics. Not everything is equally important, but routing is an indispensable part of almost every Angular web application.



Chapters

- **State Management** – for the advanced

- **TDD Testing** – Recommended. If you want to know more about TDD and unit testing.

- **Migrating Angular 1.x Projects to Angular 2** – Not of interest for Océ.

- **Project Setup –** Not important if you use Angular CLI (like we do). You don’t have to configure WebPack manually.

Chapters

- **Angular CLI –** Read this

- **Web Accessibility in Angular** – Optional. If you want to know more about Accessibility of your applications for disabled users.

- **Internationalization in Angular** – Recommended when creating multiple-language apps. Otherwise not.

- **Further Reading and Reference –** Useful list with pointers to more information.

Further Reading and Reference

Angular

- Angular.io API Reference - Angular Reference Material with easy access to different Angular items
- Angular Style Guide - Opinions from the Angular team
- Angular Module Github - Source code is written in readable TypeScript
- Angular Material Github - Official repo for Angular implementation in material design

TypeScript

- tsconfig options - information on how to configure the TypeScript compiler
- TypeScript Playground - In-browser TypeScript editor with live reload
- TypeScript Handbook
- TypeScript Deep Dive - Additional learning material

General Coding Practice and Functional Programming

https://angular-2-training-book.rangle.io/handout/further-reading.html

Questions, additions, remarks?

Let me know, via
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