Tips, Tricks, and Gotchas

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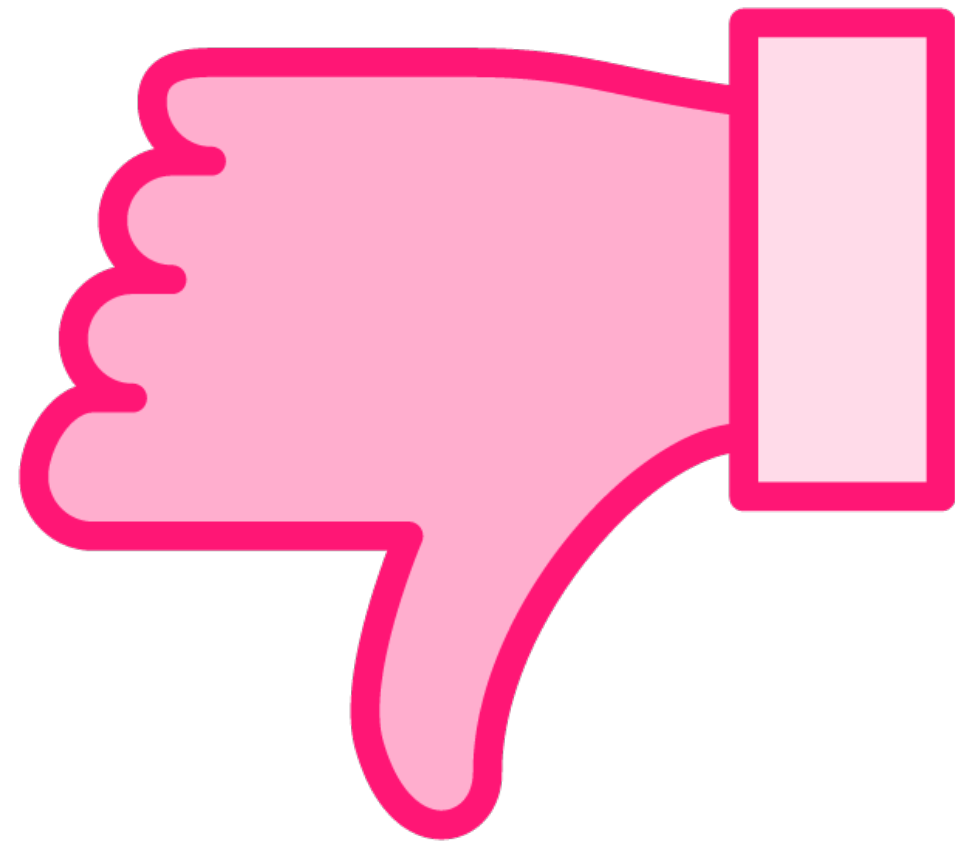
Overview

Gotchas

Tips and tricks

Gotchas

Confusing

Difficult to learn

Complex

TypeScript and Decorators

Decorators are a new type of syntax

Decorators

```
@Decorator(parameters…)
```

TypeScript and Decorators

Decorators are a new type of syntax

TypeScript has its own learning curve

TypeScript

```
constructor(private articleSvc: ArticleService)
```

Custom Pipes

Pure vs. impure

- Pure: only evaluated when input changes
- Impure: evaluated on every change detection cycle

Pure are simple, impure are very complex

Module API

imports

exports

bootstrap

providers

declarations

more...

Module API

```
@NgModule({

    declarations: [ AppComponent, HomeComponent ],

    imports: [ BrowserModule ],

    providers: [ Auth ],

    bootstrap: [AppComponent]

})
```

Multiple Modules

Feature areas

Lazy loading

Difficulties

- Routing
- Importing and exporting

Build

Complex

Important

Affects performance

Accessing the DOM

Wrapper

– Hides complexity

– Improves performance

Difficult to get to the DOM

RxJS

Promises vs. observables

Self-subscribe or not

Forgetting to subscribe

Accidentally making multiple HTTP requests

Hot vs. cold observables

Shared observables

Tips and Tricks

Tips
Part 1

Learn and use the CLI

Learn and use TypeScript

Learn and use NgRx

Learn Webpack

Follow the style guide

Don't access the DOM

Tips
Part 2

Use signals

Use lazy loading

Use VS Code

Understand what you're sending to the browser

Use immutable or observable data where appropriate

Write unit and end-to-end tests

Summary

Build is important

TypeScript, NgRx, Signals, Webpack