Angular Enterprise

Hosted by Alex Thalhammer

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About me …

My office ☺

Hi, it's me ➔ LX T

- **Alex Thalhammer** from Graz, Austria (since 1983)
  - Angular Software Tree GmbH (since 2019)
- WebDev for 20+ years (I've come a long way baby)
- WordPress Dev (Web, PHP & jQuery, 2011 – 2017)
- **Angular Dev** (Web, TS, Rx since 2017 - NG 4.0.0 ☺)
- **Angular Coach** & **Consultant** (since 2020)
  - Member of Angular Architects   https://www.angulararchitects.io/

About you …

Tell us sth about yourself

- Hi, my name is …

- I've been using Angular for …

- It's difficult for me to …

- My goal(s) for the next 3 days is (are) …

Pollings

- OS
  - Mobile OS?

- Browser

- IntelliJ/WebStorm vs VS Code

- npm vs yarn vs pnpm

Tell us sth about your team / projects

- Before I tell you sth about our workshop ☺

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About this workshop …

My Goals

- **Motivate** you for Angular (even more)

- Give **input** on advanced Angular topics

- Get your **hands on** those topics (labs / excercises)

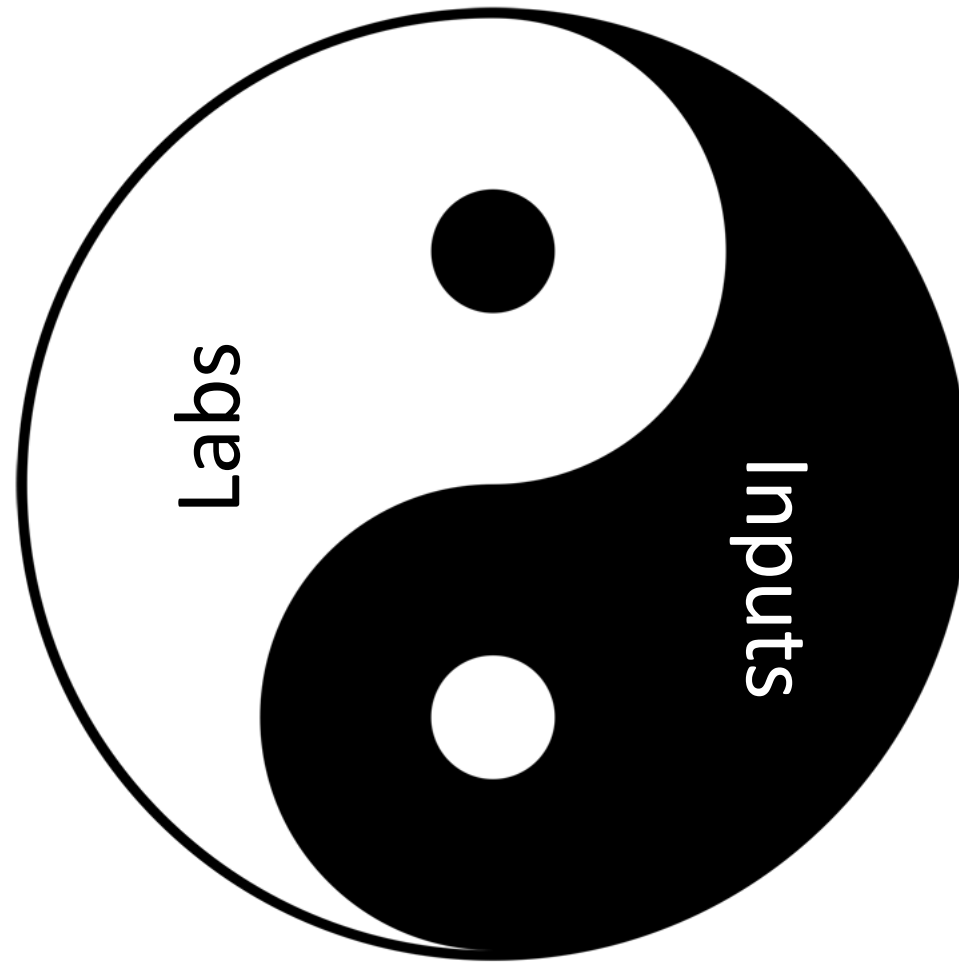- **Discuss** open topics and **answer** your questions

Didactics

Inputs

Discussion

Labs

Q&A

Didactics

We work together I

- Don't hesitate to interupt me at *ANY TIME*
  - Questions
  - Remarks or
  - Feedback ☺

- Somebody else might have the same question
  - Be a hero and ask it
    - Seriously, it makes the workshop better for all of us ☺

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Timing

- 09:00 – 12:20 (incl. 20m ☕ break)

- 1hr 🍜 break

- 13:20 – 16:40 (incl. 20m ☕ break)

- Including expected delay we will end at 17:00 latest

Topics

Intro, Architecture: Nx Monorepo & AA - DDD	Initial Load Performance	Runtime Performance
Review & Improve	Review & Improve	Review & Improve

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Setup for Labs I

- NodeJS version **16.14**.x (and higher 16) or **18.10**.x (and higher 18)
  - NodeJS version 14 dropped in NG 16

Actively supported versions

This table covers Angular versions under active support.

ANGULAR	NODE.JS	TYPESCRIPT	RXJS
16.0.x	^16.14.0 || ^18.10.0	>=4.9.3 <5.1.0	^6.5.3 || ^7.4.0
15.1.x || 15.2.x	^14.20.0 || ^16.13.0 || ^18.10.0	>=4.8.2 <5.0.0	^6.5.3 || ^7.4.0
15.0.x	^14.20.0 || ^16.13.0 || ^18.10.0	~4.8.2	^6.5.3 || ^7.4.0
14.2.x || 14.3.x	^14.15.0 || ^16.10.0	>=4.6.2 <4.9.0	^6.5.3 || ^7.4.0
14.0.x || 14.1.x	^14.15.0 || ^16.10.0	>=4.6.2 <4.8.0	^6.5.3 || ^7.4.0
13.3.x	^12.20.0 || ^14.15.0 || ^16.10.0	>=4.4.3 <4.7.0	^6.5.3 || ^7.4.0
13.1.x || 13.2.x	^12.20.0 || ^14.15.0 || ^16.10.0	>=4.4.3 <4.6.0	^6.5.3 || ^7.4.0
13.0.x	^12.20.0 || ^14.15.0 || ^16.10.0	~4.4.3	^6.5.3 || ^7.4.0

Try "node -v"

Windows / Linux: Use NVM ☺

Mac Users: Use Homebrew 🍺

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Setup for Labs II

- Git
  - Personally I like to use Sourcetree

- IDE: VS Code (free) or IntelliJ/WebStorm (not free, but better IMHO)
  - Personally I prefer IntelliJ/WebStorm

- Chrome (or Chromium based alternative)
  - Other browsers are okay for private matters

Recommendations

- Use prettier
  - especially for .ts files (if not for all)

- Use ESLint
  - in your IDE of choice and/or from terminal

- Use Git commits
  - we recommend to at least commit after every lab
  - easier switching back and forth with my solution

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Starter Kit

- Slides

- Labs (exercises)

- & free book ☺

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Ready for takeoff!

- What are your questions so far?

Lab

- Pull the repo https://github.com/L-X-T/[…]

- Please get started with lab 00_getting_started

- yarn (or npm i) and then yarn start (or npm start)

- Take a closer look at the starter kit

- Optional: If you're using VSCode you may add the plugins mentioned

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Day 1 - Architecture

- Nx Monorepo
  - Build cache

- Nx feat. AA DDD
  - Smart vs dumb components

- Microfrontends
  - Module Federation

- Standalone Components

- Signals