



ANGULAR  
**ARCHITECTS**  
INSIDE KNOWLEDGE

# Angular Essentials

Hosted by Alex Thalhammer

# About me ...



# 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 currently work on ...
- It's difficult for me to ...
- My goal for the next 2/3 days is ...

# Pollings

- OS
  - Mobile OS?
- Browser
- IntelliJ/WebStorm vs VS Code
- npm vs yarn



# Tell us sth about your team / projects

- Before I tell you sth about our workshop 😊

# About this workshop ...



# My Goals

- **Motivate** you for Angular
- Give **input** on essential Angular topics
- Get your **hands on** those topics (labs / exercises)
- **Discuss** open topics and **answer** your questions

# We work together I

- Don't hesitate to interrupt 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 😊



# We work together II

- Remote: Please turn your camera on ***ALL THE TIME***
  - Necessary for me to get your feedback
  - This will also improve the workshop for all 😊

# Timing (approximately)

- 09:00 – 12:00 (incl. 20m break)
- 1hr lunch break
- 13:00 – 16:40 (incl. 20m break)
- Including expected delay we will end at 17:00 latest

# Topics

Intro, IDE Intro,  
TypeScript  
Angular Intro

Modules,  
Components  
Deep Dive

Routing,  
Performance

Components,  
Directives,  
Services, Pipes,  
RxJS

Templ. Driven &  
Reactive Forms

State  
Management mit  
Redux & NgRx



# Didactics

Inputs

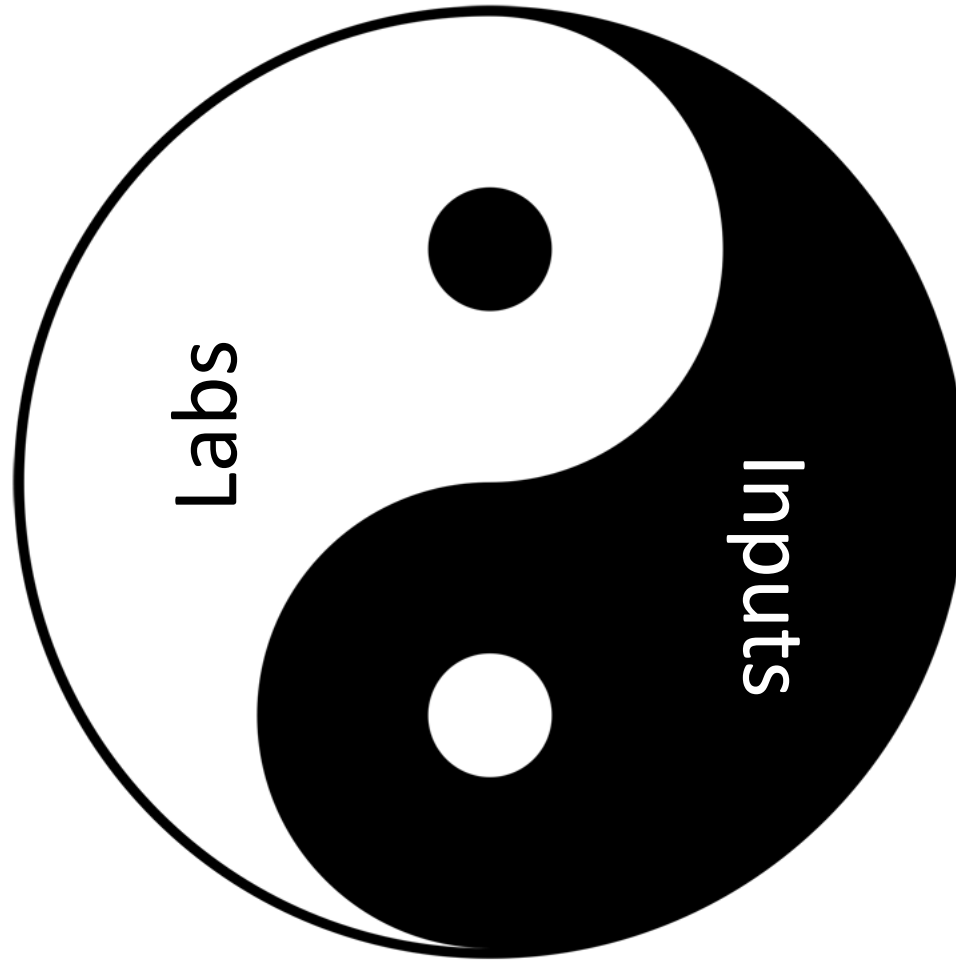
Discussion

Labs

Q&A



# Didactics



# Setup for Labs

- NodeJS version **16.13.x** (and higher 16) or **18.10.x** (and higher 18)
  - NodeJS version 14 dropped in NG 16
- IDE: VS Code (free) or IntelliJ WebStorm (not free, but better)
- Chrome (or Chromium based alternative)
  - other browsers are okay for private matters



# Recommendations

- Use prettier
  - especially for .ts files
- Use ESLint
  - in your IDE of choice and/or from terminal
- Use Git
  - we recommend to at least commit after every lab
  - easier switching back and forth with my solution

# Starter Kit

- Slides
- Labs (exercises)
- & free book 😊

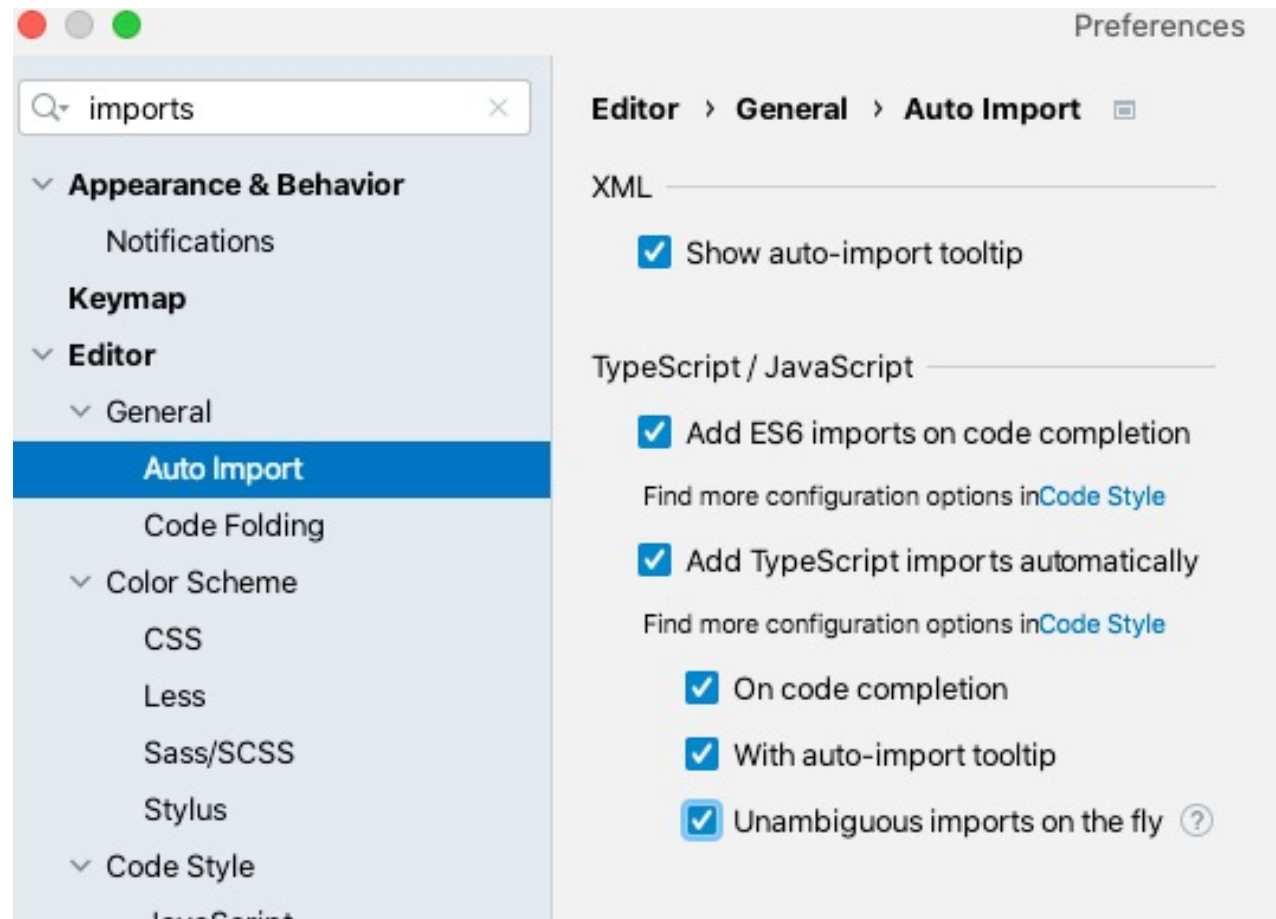
# Ready for takeoff!

- What are your questions so far?

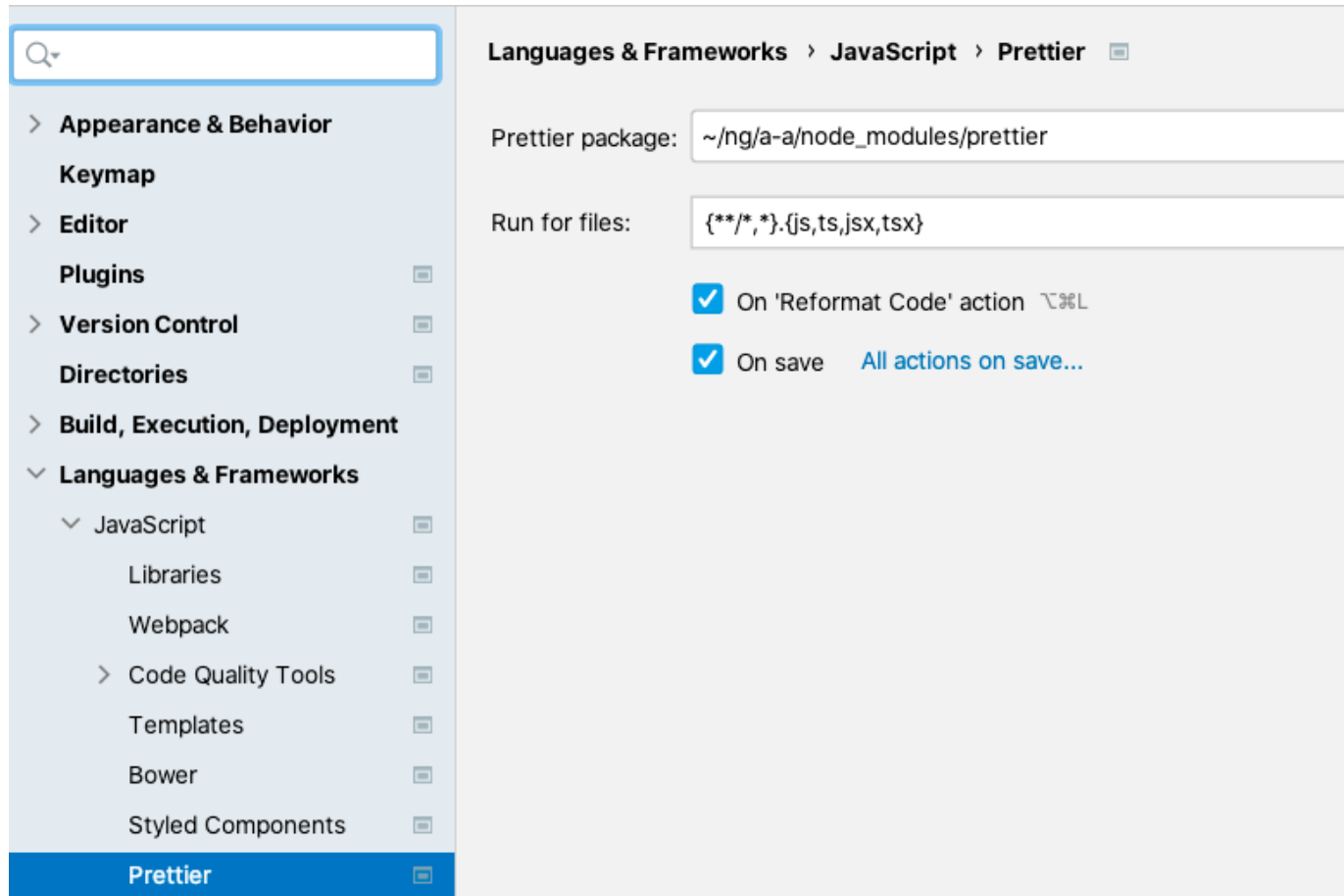
# Lab

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

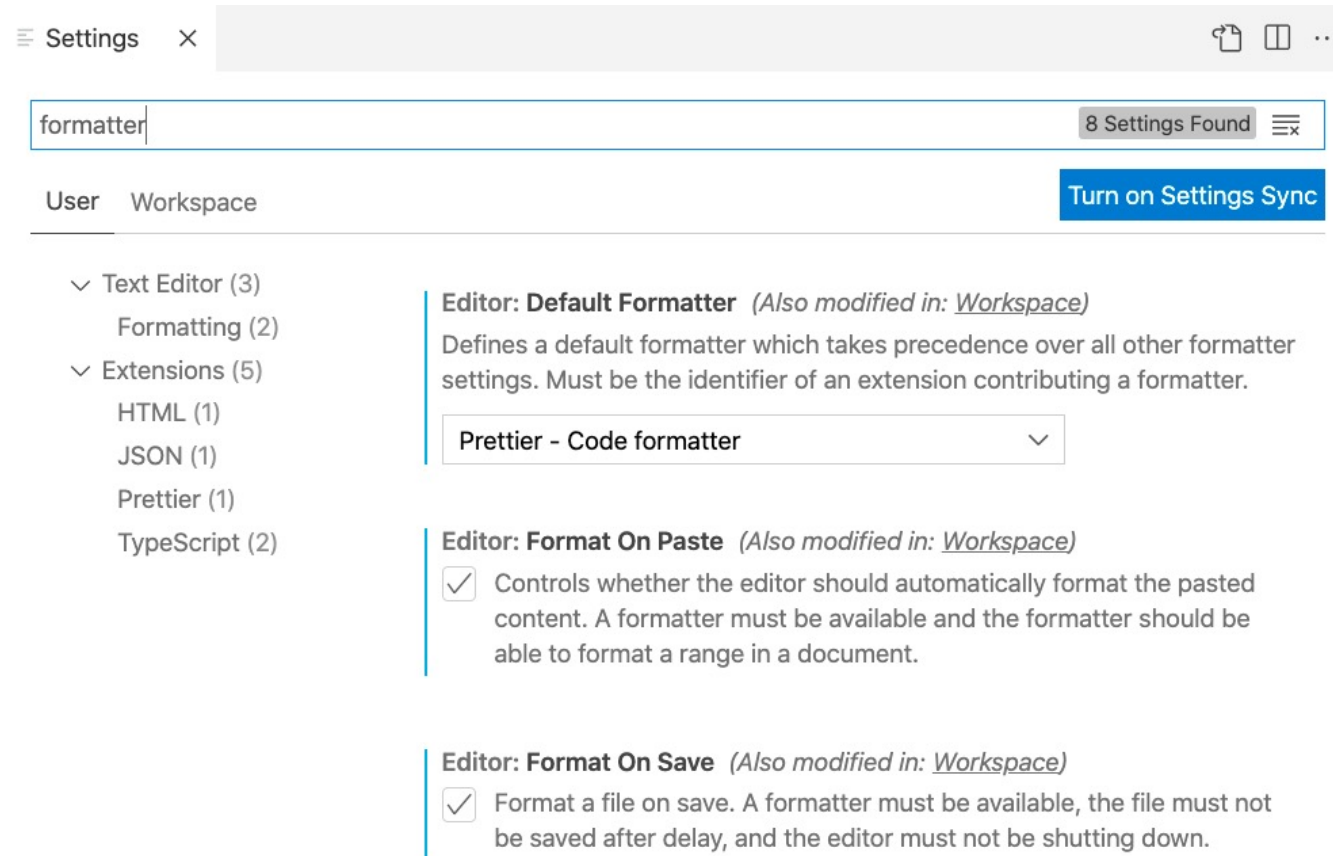
# 1 more thing: Web-/PhpStorm auto import



# 1 more thing: WebStorm prettier



# 1 more thing: VS Code Prettier



# Outline of today

- Introduction
- ~~Overview & Speedrun TypeScript~~
- Angular Introduction
- Angular Services
- Angular Pipes
- Angular Modules

