



# ToDo App Exercise

Markus Lehr



# Task

Create backend for ToDo-List management app

Must have CRUD + sorting

Must have JWT authorization

Must NOT have user management (but still has it)



# Assumptions

“Since the items might be private [...]”

-> There are public and private entries

“The items contain a title, a description and a date [...]”

-> “date” means ToDo-due-date not created-timestamp



# Workflow

Read the assignment and digest it for >1 hour

Learn JHipster (Code generator I always wanted to try out)

Generate the project with JHipster (15 minutes)

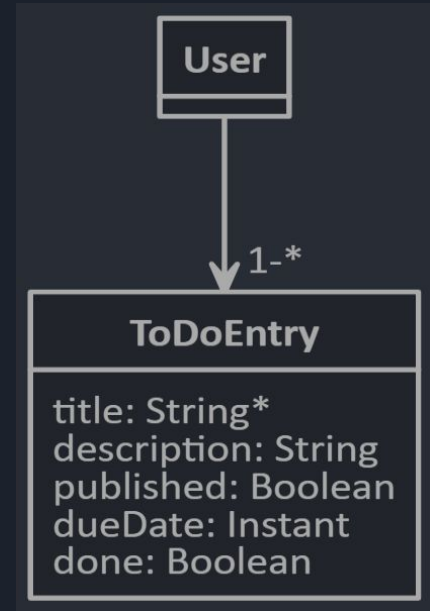
Adapt project to fit functional requirements (3 hours)

Write some more tests to flesh out the appearance

# Data Model

User has additional, but non-relevant fields  
(name, pw, email, ...)

Longs are used as IDs for simplicity (UUID preferred)





# Technologies

- Backend
  - Java 11
  - Spring (+Spring Boot, Springfox, Spring Security, Hibernate)
  - H2 for development + PostgreSQL for production
  - SLF4J as Logger
- Frontend
  - Angular
  - Webpack
- Management
  - Node (npm)
  - Maven
  - JHipster (JDL for entity generation)
  - IntelliJ IDEA

Thank you

