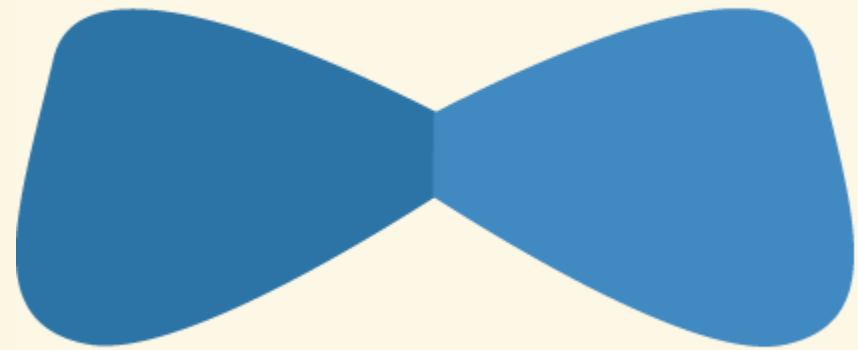


GETTING HIP WITH



JHipster

Code Days 2020

ABOUT ME

Frederik Hahne

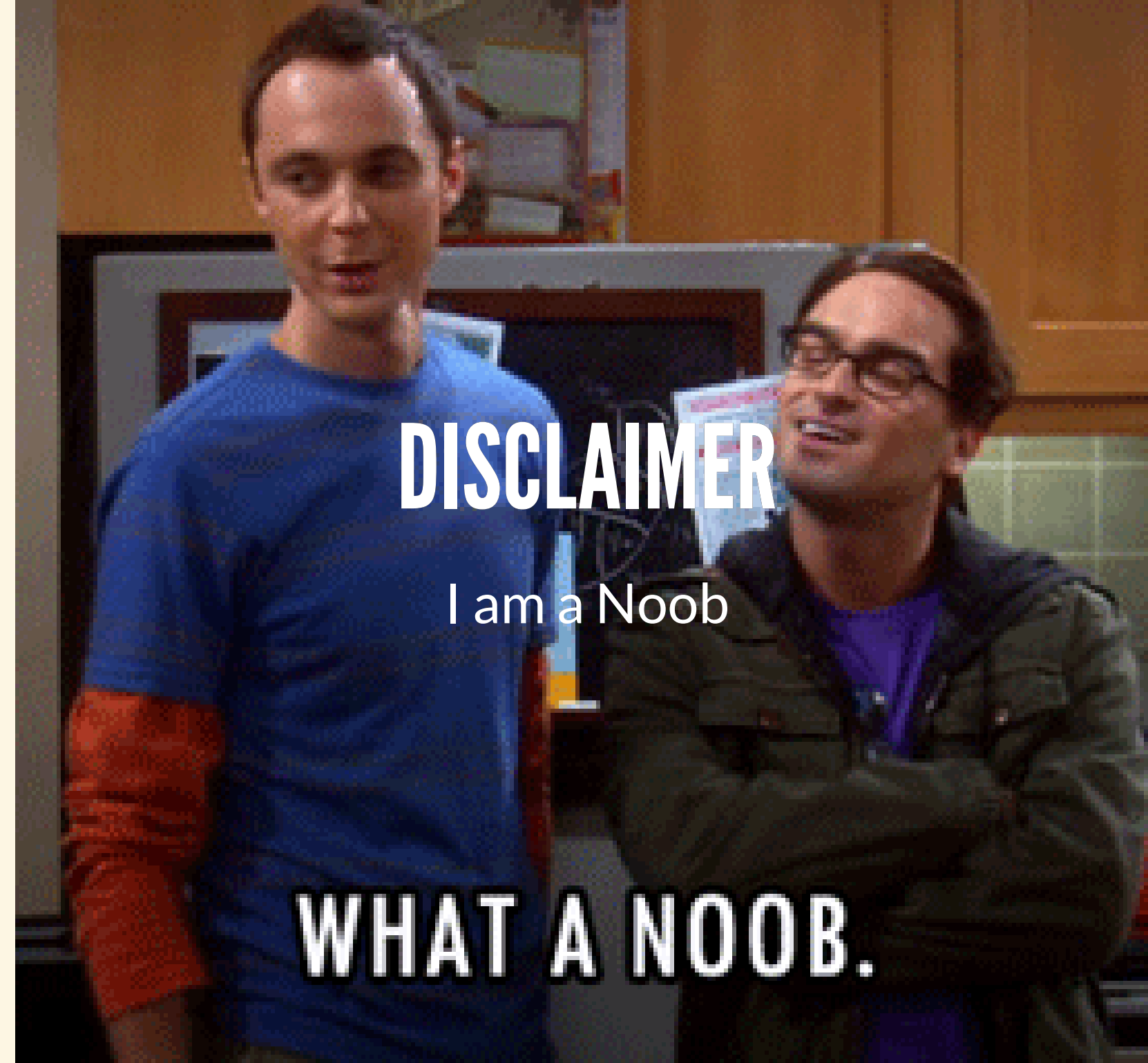
 @atomfrede

 atomfrede.gitlab.io

ABOUT ME

- JHipster Core Team Member since 2015
- Gradle Stream Lead, Vue Maintainer
- JUG Paderborn Organizer
- Software Developer at wescala





DISCLAIMER

I am a Noob

WHAT A NOOB.

GREETINGS, HIPSTERS



AGENDA

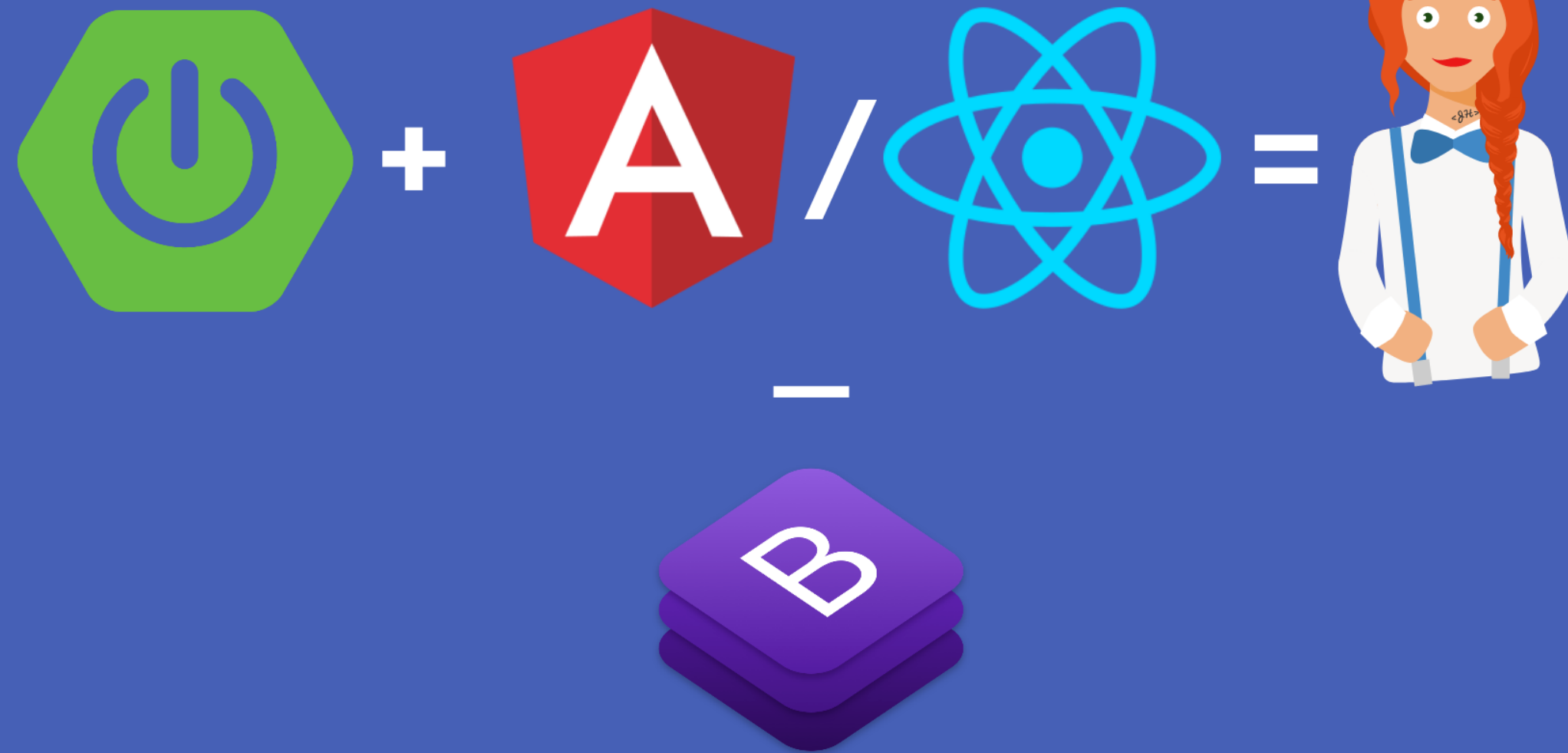
- Introduction
- Overview
- Demo

How long does it take to setup a modern web application?

How long does it take to configure databases, security, api?

How long does it take to go to production?

WHAT IS JHIPSTER?



WHAT IS JHIPSTER?



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WHAT IS JHIPSTER?

- Full Stack Application Development Platform
- 100% Open Source
- Best Practice & High Quality Code
- Community & Knowledge

JHIPSTER IN NUMBERS

- 15k+ Stars
- 35 Core Team Member
- 536+ Contributors
- 2 Books
- 100000+ Installations
- 2 Conferences



GOALS

A high-performance and robust Java stack on the server side with Spring Boot

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A sleek, modern, mobile-first front-end with Angular, React and Bootstrap

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A sleek, modern, mobile-first front-end with Angular, React and Bootstrap

A powerful workflow to build your application with Yeoman, Webpack and Maven/Gradle

POLICIES

technologies used by JHipster have their default configuration used as much as possible

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only add options when there is sufficient added-value in the generated code

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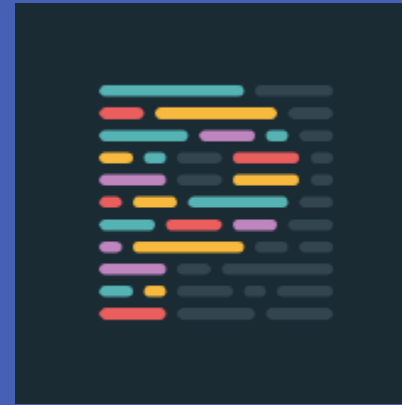
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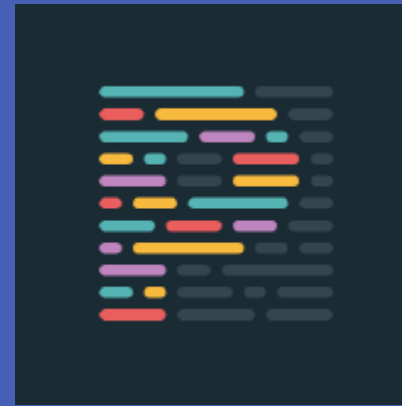
use strict versions for third-party libraries

FORMATTING ...

FORMATTING ...



FORMATTING ...

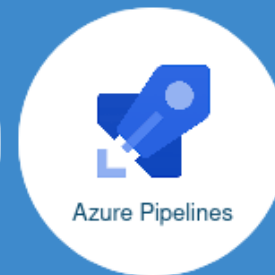
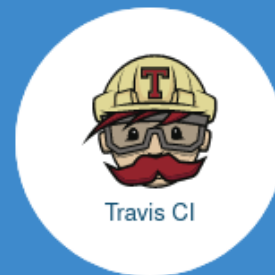


- <https://github.com/jhipster/prettier-java>

OPTIONS









GETTIN' STARTED

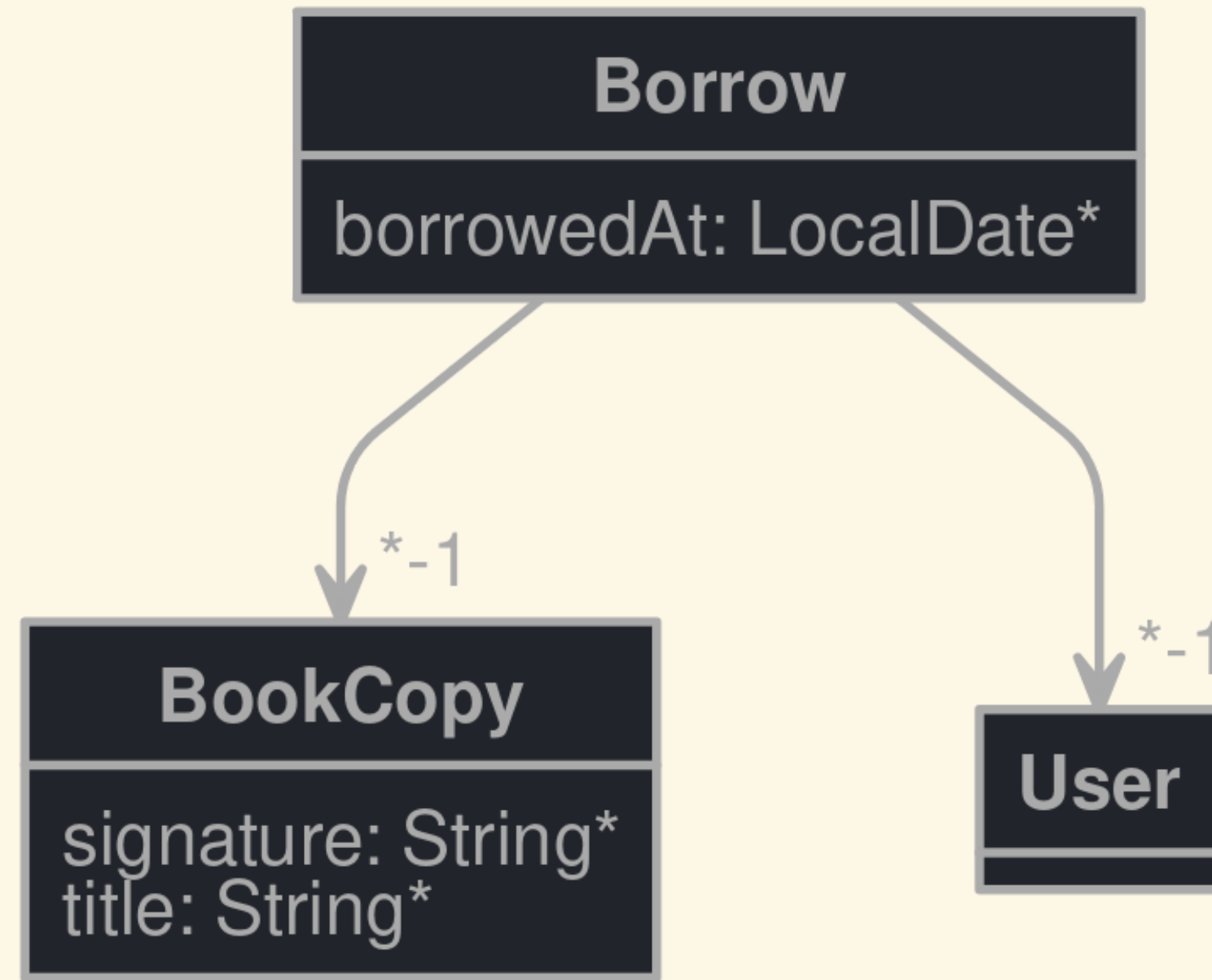
```
//Install node, java and git (optional)
npm install -g generator-jhipster
npm install -g generator-jhipster-vuejs

jhipster --blueprints vuejs
```

DEMO

- Generate a basic library application
- Short Walkthrough
- Generate CRUD capabilities
- Small adoptions to the code
- Build with Gitlab CI
- Deploy to Heroku

<https://www.youtube.com/watch?v=uQqIO3IGpTU>



SIDE-BY-SIDE APPROACH

```
@SuppressWarnings("unused")
@Repository
public interface BorrowRepository extends JpaRepository<Borrow, Long> {

}

@SuppressWarnings("unused")
@Repository
public interface BorrowRepositoryCustom extends BorrowRepository {

}
```

SIDE-BY-SIDE APPROACH

```
import BookCopyService from "@/entities/book-copy/book-copy.service";  
  
export default class BookCopyServiceCustom extends BookCopyService {  
  
}
```

<https://www.slideshare.net/agoncal/custom-and-generated-code-side-by-side-with-jhipster>

<https://dev.to/antonioortizpola/separating-the-jhipster-layout-from-a-custom-ui-implementation-55i8>

GOING TO PRODUCTION

- Start with less
- Don't touch the generated code
- Keep JDL up to date
- Use same DB in Dev & Prod
 - Integrate Testcontainers
- Use DTO & Services
- Most likely you will add custom web api

<https://atomfrede.gitlab.io/2019/05/jhipster-with-testcontainers/>

<https://github.com/intesys/generator-jhipster-testcontainers>

A man with a beard and sunglasses, wearing a light-colored shirt, is holding a handgun with both hands. He has a serious expression. The background is dark and out of focus.

PLEASE

**GIVE ME ONE MORE THING TO PUT ON
MY PLATE.**

A meme featuring a man in a suit and sunglasses holding a gun, with text overlaid. The man is looking slightly to the side with a serious expression. The background is dark and out of focus.








PLEASE

start.jhipster.tech

**GIVE ME ONE MORE THING TO PUT ON
MY PLATE.**

makeameme.org

FUTURE PLANS

- Polyglot
 - Kotlin 
 - Node.js 
 - .net 
 - Micronaut 
 - Quarkus 
- Spring Boot 2.2.x 
- Neo4j Support 
- Modulith, Microfrontends, Fully Reactive

MORE STUFF

- jhipster.tech
- github.com/jhipster
- twitter.com/jhipster
- stackoverflow.com/tags/jhipster/info
- gitter.im/jhipster/generator-jhipster
- jhipster-book.com
- www.packtpub.com/web-development/full-stack-development-with-jhipster-second-edition

BUG BOUNTIES



jhipster.tech/bug-bounties

QUESTIONS?



QUESTIONS?

JOIN US



wescala.com/de/join-us

@atomfrede

#codedays2020

#jhipsterintro