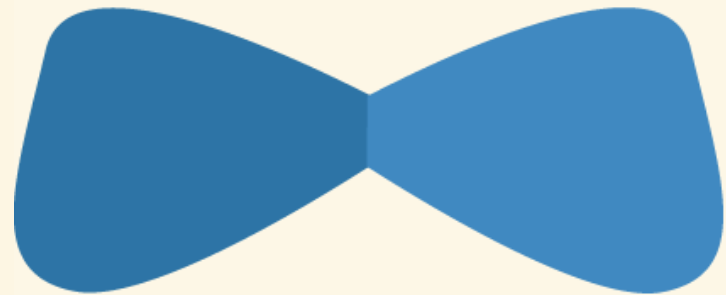


GETTING HIP WITH JHIPSTER



JHipster

Code Days 2020

ABOUT ME

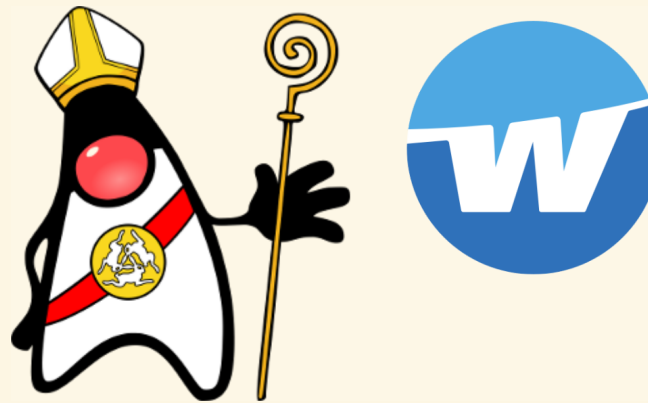
Frederik Hahne

 @atomfrede

 atomfrede.gitlab.io

ABOUT ME

- [JHipster Core Team](#) Member since 2015
- [Gradle Stream Lead](#), Vue Maintainer
- [JUG Paderborn](#) Organizer
- Software Developer at [wescale](#) in Paderborn



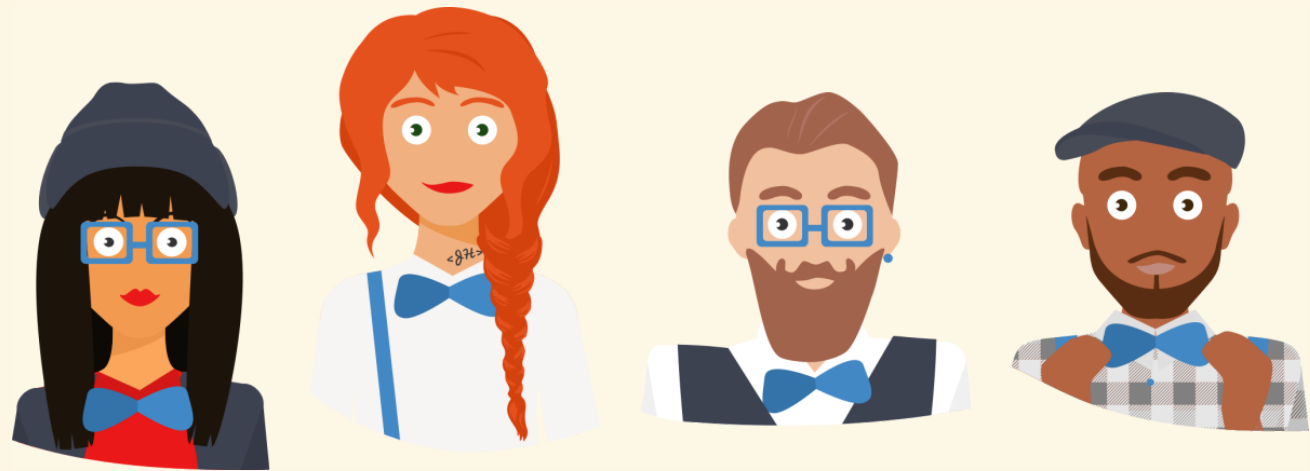


DISCLAIMER

I am a Noob

WHAT A NOOB.

GREETINGS, HIPSTERS



AGENDA

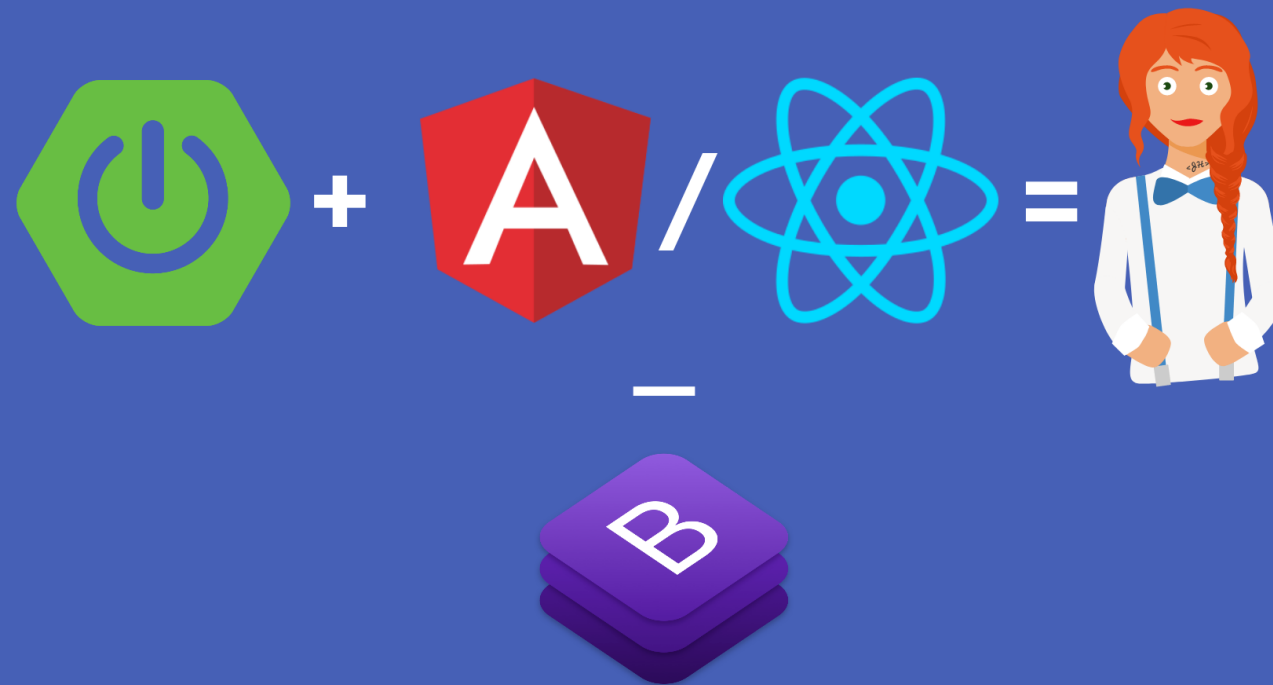
- Introduction
- Overview
- Demo

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

“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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“for the Java code, follow the default IntelliJ IDEA coding style*

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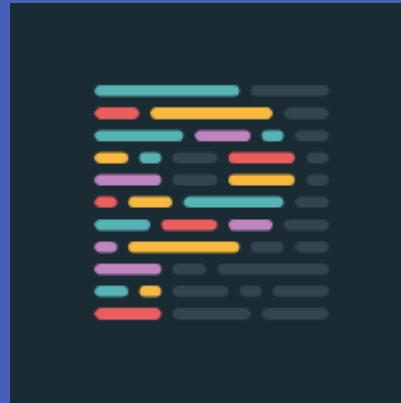
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“for the Java code, follow the default IntelliJ IDEA coding style*

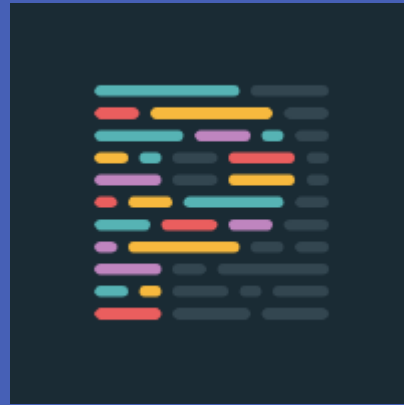
“use strict versions for third-party libraries

FORMATTING ...

FORMATTING ...



FORMATTING ...



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

OPTIONS



HTML



HTML5

CSS



CSS3



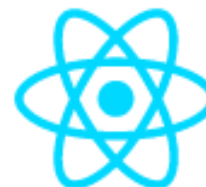
Bootstrap



TypeScript



Angular



React



Vue



Redux



Websockets



Yarn



Webpack



Sass



Browsersync



Jest



Protractor



A woman with dark hair, wearing a black t-shirt, is sitting at a desk and working on a silver laptop. She is looking at the screen with a focused expression. The background shows a window with white blinds and a green wall. The text "Let's Code" is overlaid in the center of the image.

Let's Code

GETTIN' STARTED

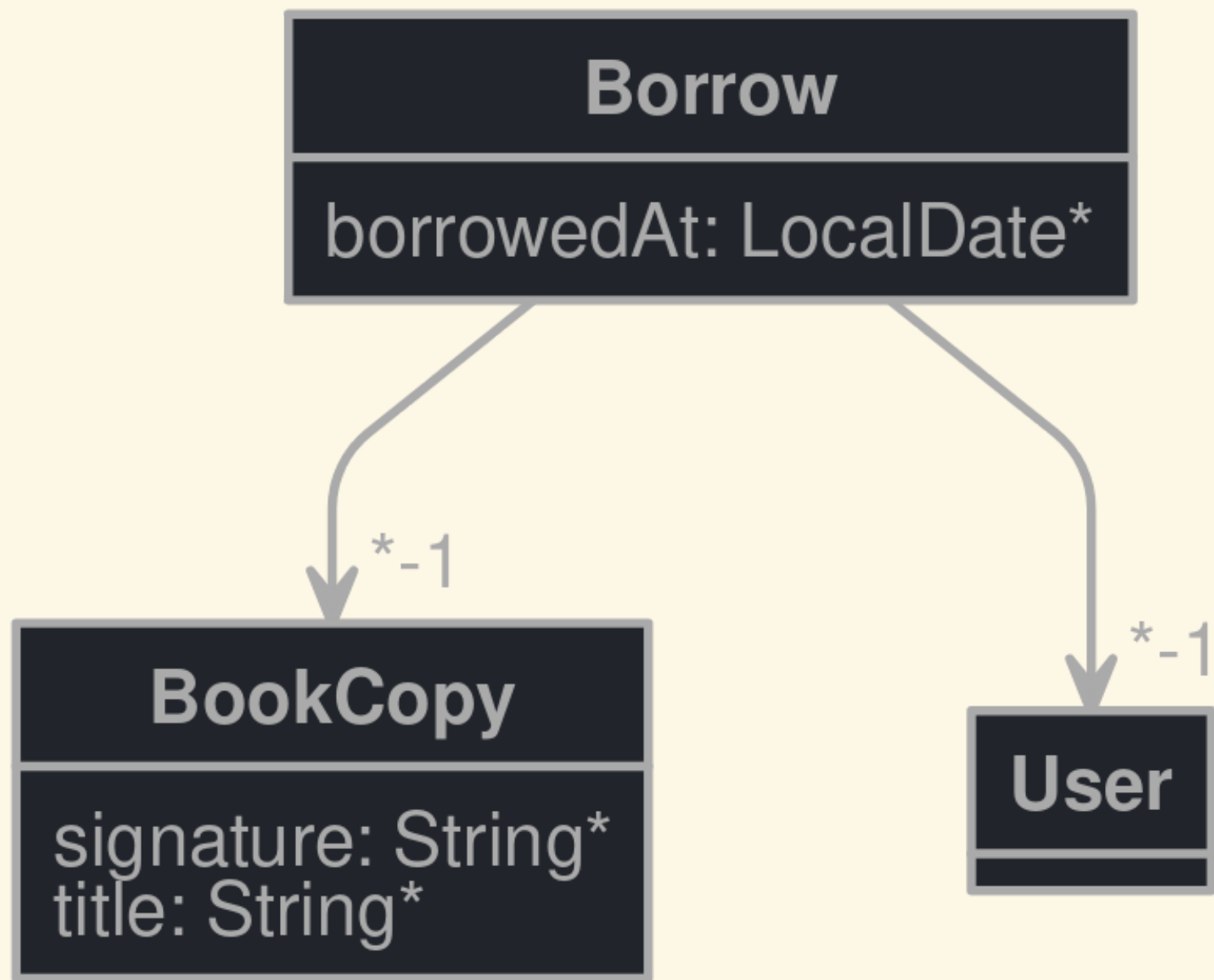
```
//Install node, java and git (optional)
npm install -g generator-jhipster
npm install -g generator-jhipster-vuejs

jhipster --blueprints vuejs
```

DEMO

- Generate a basic library application
- Short Walkthrough
- Generate CRUD capabilities
- Small changes to the code
- Build with Gitlab CI, deploy to Heroku

Learn JHipster in ~15 minutes with Matt Raible



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 {  
  
}
```

Custom and Generated Code Side by Side with JHipster by Antonio
Goncalves

Separating the JHipster layout from a custom UI implementation

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

A man with a beard and mustache, wearing aviator sunglasses and a tan short-sleeved shirt, is holding a handgun with both hands, pointing it upwards. 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 man with a beard and sunglasses, wearing a light-colored shirt, is holding a handgun with both hands, aiming it upwards. He has 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

A background image of Leonardo DiCaprio in a tuxedo, holding a martini glass, standing in front of a fireplace with a patterned wallpaper. The word "MORE" is written in large, white, bold letters at the top center.

MORE

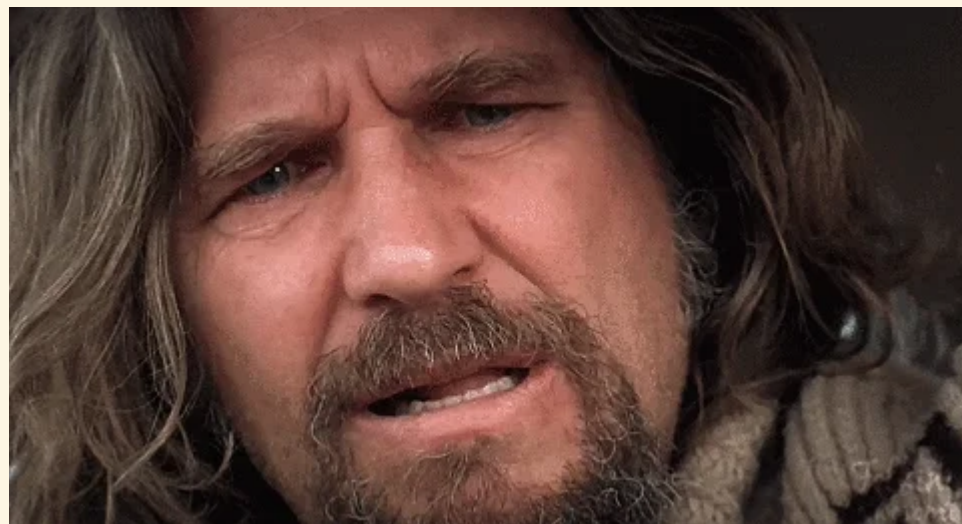
- jhipster.tech
 - github.com/jhipster
 - twitter.com/jhipster
 - stackoverflow.com/tags/jhipster/info
 - gitter.im/jhipster/generator-jhipster
 - jhipster-book.com
 - www.packtpub.com/web-development/full-stack-development-with-jhipster-second-edition
- but now you have my attention.**

BUG BOUNTIES



jhipster.tech/bug-bounties

QUESTIONS?



JOIN US



wescale.com/de/join-us

@atomfrede

#codedays2020

#jhipsterintro