



Greetings, Java Hipster!



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I. Motivations

JHipster est un générateur d'applications utilisé pour développer rapidement des applications web.

Aujourd'hui, une application web moderne doit s'appuyer sur...

- les dernières technologies Web
- Un Back-end robuste et performant

=> Pour construire leur application, les développeurs utilisent généralement plusieurs générateurs.

Qu'apporte JHipster ?

- Génération d'un Back-End Java avec SpringBoot
- Génération d'un Front-End AngularJS
- Ensemble d'outils de travail



Qui utilise JHipster ?

- Des grandes entreprises : Google, Orange, Atos
- Sur Github : 8000 Stars et 1800 fork

II. La solution

➔ Back-End Java

- Spring Boot
- Spring Security
- Spring Data JPA / Spring Data MongoDB

➔ Front-End AngularJS

- Single Web Page Application (ou pas !)
- HTML5 Boilerplate + Twitter Bootstrap
- Websockets

➔ Les outils

- Yeoman
- Webpack, BrowserSync, Karma
- Maven/Gradle
- Grunt/ Gulp.js
- Bower

III. Pour résumer

Pour résumer JHipster c'est : un générateur AngularJS + Un générateur Java + des outils de travail

Il permet :

- De générer rapidement une application « à la carte »
- De générer le modèle de données Java (JHipster Domain Language) pour cette application
- Avoir tout les outils à disposition pour développer rapidement

IV. Démonstration

```
C:\Users\louis\Documents\angular\workspace\jhipster-demo>jhipster
Using JHipster version installed globally
Running default command
Executing jhipster:app
Options:

JHIPSTER

https://jhipster.github.io

Welcome to the JHipster Generator v4.7.0
Documentation for creating an application: https://jhipster.github.io/creating-an-app/
Application files will be generated in folder: C:\Users\louis\Documents\angular\workspace\jhipster-demo
? (1/16) Which *type* of application would you like to create? Monolithic application (recommended for simple projects)
? (2/16) What is the base name of your application? ecom
? (3/16) What is your default Java package name? example.ecom
? (4/16) Do you want to use the JHipster Registry to configure, monitor and scale your application? No
? (5/16) Which *type* of authentication would you like to use? JWT authentication (stateless, with a token)
? (6/16) Which *type* of database would you like to use? SQL (H2, MySQL, MariaDB, PostgreSQL, Oracle, MSSQL)
? (7/16) Which *production* database would you like to use? MySQL
? (8/16) Which *development* database would you like to use? H2 with disk-based persistence
? (9/16) Do you want to use Hibernate 2nd level cache? No
? (10/16) Would you like to use Maven or Gradle for building the backend? Maven
? (11/16) Which other technologies would you like to use? Search engine using Elasticsearch, WebSockets using Spring Websocket
? (12/16) Which *Framework* would you like to use for the client? Angular 4
? (13/16) Would you like to use the LibSass stylesheet preprocessor for your CSS? Yes
? (14/16) Would you like to enable internationalization support? Yes
Please choose the native language of the application French
Please choose additional languages to install English
? (15/16) Besides JUnit and Karma, which testing frameworks would you like to use?
? (16/16) Would you like to install other generators from the JHipster Marketplace? No

Installing languages: fr, en
create package.json
create README.md
create .gitignore
create .gitattributes
create .editorconfig
```

Sources

- <http://www.jhipster.tech/>
- <http://humantalks.com/talks/494-jhipster-un-generateur-yeoman-pour-angularjs-et-sp>
- <https://blog.ippon.fr/2014/11/19/jhipster-dans-la-pratique/>