Workshop JHipster

# Introduction:

## Presentatie:

* What is JHipster
  + Advantages of JHipster
  + Introduction springboot, angular
* How does it work
  + JHipster Generator

Materials:

* Powerpoint, Prezi
* Time plan 🡪 Handout

Learning Goals:

* What is JHipster
* How does it work
* Advantages of JHipster

# Practical Assignment:

Learning to work with a generated JHipster application

Use case:

* Section 1 Start up:
  + Start the JHipster docker container
  + Start JHipster application front-end and back-end
  + Configure Database?
* Section 2: Creating Entities
  + Create file using JDL Studio
  + Regenerate JHipster project with new Entity Relation Model
* Section 3: Bootstrap, Angular and Springboot
  + Backend: Editing the existing environment
  + Frontend: Changing website design using Angular
* Section 4: Microservices
  + Implementing microservices
  + Microservice communication ( Registry, API Gateway )
* (Optional) Section 5: Testing
  + Implementing and running a unit-test
  + Selecting your own testing frameworks ( already includes karma and Junit )
* Section 6: Monitoring, Docker Integration
  + Pushing docker container to docker swarm?
  + Short introduction into monitoring performance.
* (Optional) Section 7: Deployment
  + Deploying your application to the cloud ( Heroku )

Materials:

* JHipster Docker Container
* Generated JHipster Application imported into the JHipster Docker container.
* Implemented Unit tests
* JDL Studio template

Learning Goals:

* Structure / Tools of a Jhipster app (f.e. Spring boot,Angular, etc )
* Build monolith JHipster app
* Transfer from a monolith app to an app with a microservice architecture