# **Week 1 + 2 Assignment OpenApi + H2 database**

Build a Spring Boot Application based on an OpenApi specification. The setup can be found in

<https://github.com/mirkarlar/psychic-pies>It contains an OpenApi specification in /api-def. The pom.xml has the basic Spring setup with the web and JPA/H2 depencies. Also preconfigured is the OpenApi plugin to generate interfaces and model classes from an OpenApi spec.

I implemented the PieEntity like we did in class and the PiesController. Note that the PieEntity is used on the Db site and Pie on the REST interface and that there is a mapping between the two.  
The Pie class is a so called DTO == Data Transfer Object

## **Project Requirements:**

* Remember to run the mvn generate-sources to generate the interfaces  
  find them in target/generated-sources/openapi
* Implement the *http://localhost:8080/cart* interface from database to controller
* Note that the cart entity has a One2Many relationship with Pie. Remember to map your DTO
* Create some curl tests and add them to the README.md
* Use constructor injection (no @Autowired on fields)

Return proper status codes:

* 200 OK for successful GET/PUT
* 201 Created for POST
* 204 No Content for DELETE
* 404 Not Found for missing games
* 400 Bad Request for invalid data

**Business Rule**

You may not add two Pies with the same name.

Return a 400 Bad Request in that case.

**Submission Instructions**

* Update the README.md with:
  + Brief description
  + How to run the app (./mvnw spring-boot:run)
  + Sample Insomnia, curl or Postman commands to test the endpoints
* Upload your project to GitHub
* E-mail me the GitHub link