

Practice Assignment 1

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3.1 Warming up (3 points)

This part includes three questions:

1. (1 point) Open the project in your IDE and make sure you can get all of the microservices running. *How do the microservices communicate with each other?*

The microservices are communicating with HTTP requests via their REST API.

2. (1 point)} Look up for *Constructor Injection* for Java Spring on the Internet. *How are different classes passed to each together (or instantiated) in Spring?*

Constructor Injection is a method by which a class can be instantiated and passed into another class by exposing it as a parameter on the constructor of that class. For example, if the class `VehicleController` needs to have `VehicleService` passed in, the constructor for `VehicleController` will have a parameter of type `VehicleService`.

3. (1 point) Look up *gradle build dependencies*. Gradle is used primarily as a dependency management solution, and is used both in Spring Boot applications and in Android development. *What is a gradle 'dependency', and how does it help development?*

Dependencies are things that a project might need to build and use from other sources, such as libraries or jar files. It helps to compile the source code and some will be available at runtime.

Bonus:

Added Swagger-generated REST API for each microservice .

<http://localhost:8080/swagger-ui.html>

<http://localhost:8081/swagger-ui.html>

<http://localhost:8082/swagger-ui.html>