Spring boot project setup

# Spring Boot

1. Go to [start.spring.io](https://start.spring.io/) to start a new spring project
2. As group name, you always choose the name of your customer Ex: *be.belfius*
3. For *artifact id* you choose the name of your project! Ex: *Shopr*
4. Select the dependencies: *Web, MySql, JPA , DevTools*
   1. Web = this will add the *spring-boot-starter-web* dependency to your pom, which holds an embedded tomcat webserver and libraries to create a MVC application.
   2. MySql = will add *mysql-connector-java* to your pom, this is the driver to connect to your MySql server.
   3. JPA = will add *spring-boot-starter-data-jpa,* this includes *spring-data-jpa*, *hibernate* and *spring-orm.* It’s used to simplify CRUD operations.
   4. DevTools = adds *spring-boot-devtools*, Applications that use   
      spring-boot-devtools automatically restart whenever files on the classpath change*.*
5. Click finish on the next screen

# Setup application.properties file

* 1. Make sure to add the following properties to the application.properties file:

spring.datasource.url=jdbc:mysql://localhost:3306/shopr

spring.datasource.username=root

spring.datasource.password=P@ssw0rd

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver

spring.jpa.hibernate.ddl-auto=create-drop

* 1. In your resources folder you have to add a file named *import.sql* which holds the insert queries for your “test” data. Spring boot will automatically pick this file up and execute it against the database.

Check if MySql is running and your database is created.

# Useful docs

* <https://spring.io/guides/gs/accessing-data-jpa/>
* <https://springframework.guru/spring-framework-annotations/>