Java Springboot notes

* Easy to get started with Spring Development
* Minimizes manual configurations
* Perform Auto-configuration based on props files and JAR classpath
* Spring boot uses the same code as the spring framework, its primarily used to start up projects quickly.

Core Container

* Factory for creating beans and managing bean dependencies
  + Beans
  + Core
  + SpEL
  + Context

Infrastructure

* AOP: Aspect Oriented Programming
  + Adds functionality to objects declaratively
  + Logging security, transactions
  + AOP
  + Aspects
  + Instrumentation
  + Messaging

Data Access Layer

* Communicating with the DB
* JDBC
  + Reduces source code significantly
* ORM
  + Object relational mapping
* Transactions
* OXM
* JMS
  + Java message service
  + Send a message to a queue, asynchronous
  + Spring provides helper classes for this

Test Layer

* Unit
* Integration
* Mock

GAV

* Group ID
* Artifact ID
* Version

Do not use the webapp directory if the application is packaged as a JAR

* Only works with WAR packaging (for a maven directory)

Spring boot starters

* Curated list of Maven dependencies
* Collection of dependencies grouped together
* EX: spring-boot-starter-web

<https://docs.spring.io/spring-boot/docs/current/reference/htmlsingle/#using-boot-starter>

spring-boot-devtools will automatically restart the application when your code is updated