## Spring Boot :: (v2.7.10)

Service URL: https://start.spring.io (webiste link of Springboot)

Name: BootProj01-DependancyInjection

☑ Use default location

Location: D:\springcoreapps\BootProj01-DependancyInjection    Browse

Type: Maven    Packaging: Jar    ← for standalone applications

Java Version: 8    Language: Java

Group: ineuron    organisation name

Artifact: BootProj01-DependancyInjection    ProjectName

Version: 0.0.1-SNAPSHOT

Description: First App of SpringBoot

Package: in.ineuron    (root package of our project where    @SpringBootApplication
Configuration class will be created)
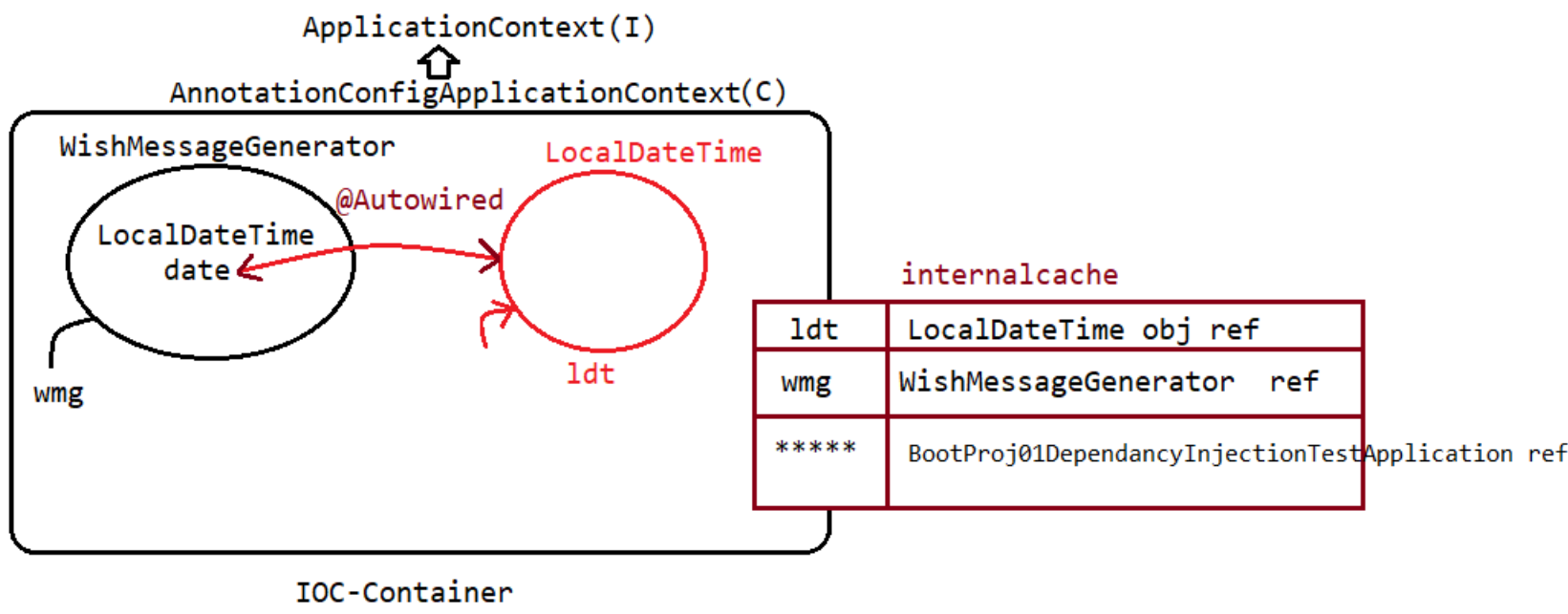
Working sets

☐ Add project to working sets    New...

Working sets:    Select...

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BootProj01-DependancyInjection [boot]
- src/main/java    ← place source code
  - in.ineuron
    - BootProj01DependancyInjectionApplication.java
- src/main/resources    ← place properties/yaml file
  - application.properties
- src/test/java
- JRE System Library [jdk1.8.0_202]
- Maven Dependencies
- src
- target
- HELP.md
- mvnw
- mvnw.cmd
- pom.xml

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BootProj01-DependancyInjectionTest [boot]
- src/main/java
  - in.ineuron    #2
    - BootProj01DependancyInjectionTestApplication.java    #4    #1  ←SpringApplication.run()
  - in.ineuron.comp    ← scanning to find stereotype annotation
    - WishMessageGenerator.java    #3
- src/main/resources
- src/test/java
- Maven Dependencies
- JRE System Library [JavaSE-1.8]
- src
- target
- HELP.md
- mvnw
- mvnw.cmd
- pom.xml

ApplicationContext(I)
AnnotationConfigApplicationContext(C)

WishMessageGenerator    LocalDateTime

LocalDateTime date    @Autowired

wmg    ldt

internalcache

| ldt | LocalDateTime obj ref |
| wmg | WishMessageGenerator ref |
| ***** | BootProj01DependancyInjectionTestApplication ref |

IOC-Container

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https://start.spring.io/

**Project**
- ○ Gradle - Groovy
- ○ Gradle - Kotlin
- ● Maven

**Language**
- ● Java
- ○ Kotlin
- ○ Groovy

**Spring Boot**
- ○ 3.1.0 (SNAPSHOT)
- ○ 3.1.0 (M2)
- ○ 3.0.6 (SNAPSHOT)
- ○ 3.0.5
- ○ 2.7.11 (SNAPSHOT)
- ● 2.7.10

**Project Metadata**

Group: ineuron

Artifact: BootProj02-DependancyInjection

Name: BootProj02-DependancyInjection

Description: Demo project for Spring Boot
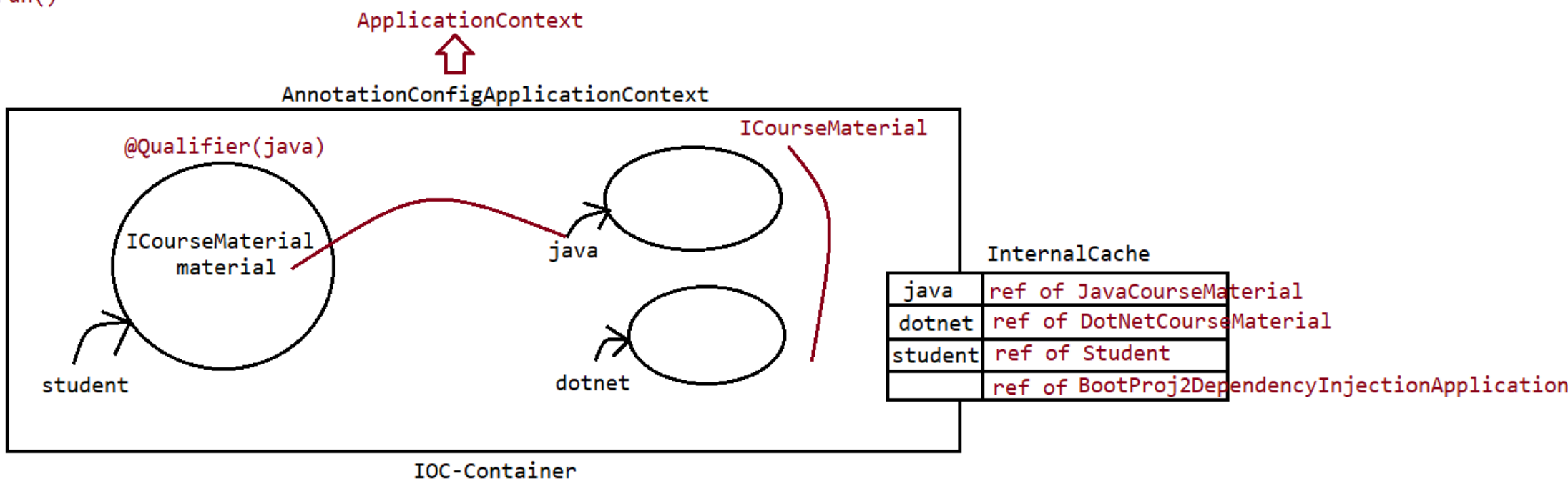
Package name: in.ineuron

Packaging: ● Jar    ○ War

Java: ○ 20    ○ 17    ○ 11    ● 8

GENERATE CTRL + ⏎

It would generate the zip file,extract the zip file and import that project as maven project to ur workspace

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BootProj02-DependancyInjection [boot]
- src/main/java
  - in.ineuron    #2
    - BootProj02DependancyInjectionApplication.java    ←SpringApplication.run()
  - in.ineuron.dependent    #3
    - DotNetCourseMaterial.java
    - ICourseMaterial.java
    - JavaCourseMaterial.java
  - in.ineuron.target    #4
    - Student.java
- src/main/resources
- src/test/java
- JRE System Library [JavaSE-1.8]
- Maven Dependencies
- src
- target
- HELP.md
- mvnw
- mvnw.cmd
- pom.xml

ApplicationContext
AnnotationConfigApplicationContext

@Qualifier(java)    ICourseMaterial

ICourseMaterial material    java

student    dotnet

InternalCache

| java | ref of JavaCourseMaterial |
| dotnet | ref of DotNetCourseMaterial |
| student | ref of Student |
| | ref of BootProj2DependencyInjectionApplication |

IOC-Container

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BootProj02-DependancyInjection [boot]
- src/main/java
  - in.ineuron
    - BootProj02DependancyInjectionApplication.java    ← @SpringConfiguration    @ImportResource(locations="in/ineuron/cfg/applicationContext.xml")
  - in.ineuron.cfg
    - applicationContext.xml    ← supplying xml configuration
  - in.ineuron.dependent
    - DotNetCourseMaterial.java ("dotnet")
    - ICourseMaterial.java
    - JavaCourseMaterial.java ("java")
  - in.ineuron.target
    - Student.java
- src/main/resources
  - application.properties    ←default loaded property file[dynamic vaule of bean is supplied here]
- src/test/java
- JRE System Library [JavaSE-1.8]
- Maven Dependencies
- src
- target
- HELP.md
- mvnw
- mvnw.cmd
- pom.xml

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🌱 spring initializr

**Project**
- ○ Gradle - Groovy
- ○ Gradle - Kotlin
- ● Maven

**Language**
- ● Java
- ○ Kotlin
- ○ Groovy

**Spring Boot**
- ○ 3.1.0 (SNAPSHOT)
- ○ 3.1.0 (M2)
- ○ 3.0.6 (SNAPSHOT)
- ○ 3.0.5
- ○ 2.7.11 (SNAPSHOT)
- ● 2.7.10

**Project Metadata**

Group: ineuron

Artifact: BootProj03-RealTimeDependancyInjection

Name: BootProj03-RealTimeDependancyInjection

Description: Usage of RealTimeDI

Package name: in.ineuron

Packaging: ● Jar    ○ War

Java: ○ 20    ○ 17    ○ 11    ● 8

**Dependencies**    ADD DEPENDENCIES... CTRL + B

MySQL Driver SQL
MySQL JDBC driver.

JDBC API SQL
Database Connectivity API that defines how a client may connect and query a database.

GENERATE CTRL + ⏎    EXPLORE CTRL + SPACE    SHARE...

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BootProj03-RealTimeDependancyInjection [boot]
- src/main/java
  - in.ineuron    @SpringBootConfiguration
    - BootProj03RealTimeDependancyInjectionApplication.java    ←SpringApplication.run()
  - in.ineuron.bo
    - EmployeeBO.java
  - in.ineuron.controller    @Component
    - EmployeeControllerImpl.java
    - IEmployeeController.java
  - in.ineuron.dao    @Repository
    - EmployeeDaoImpl.java    ← @Autowired
    - IEmployeeDao.java    DataSource datasource
  - in.ineuron.dto
    - EmployeeDTO.java
  - in.ineuron.service    @Service
    - EmployeeServiceImpl.java
    - IEmployeeService.java
  - in.ineuron.vo
    - EmployeeVO.java
  - src/main/resources
    - application.properties    ← datasource configuration for hikaricp
- src/test/java
- JRE System Library [JavaSE-1.8]
- Maven Dependencies
- src
- target
- HELP.md
- mvnw
- mvnw.cmd
- pom.xml