Spring overview

* @Component: mark a class as a **spring bean**
* @Bean: make a external class (such as when you use class from AWS) to a **spring bean**
* @AutoWired: use for dependency injection, can be placed in constructor or setter
* @Qualifier: when having multiple bean that inherited from a super bean, use this to assign a specified bean that will use for dependency injection
* @Primary: the same context from above, but assign a bean as default when using dependency injection
* @Lazy: just create singleton object when need
* @PostConstruct, @PreDestroy: execute after constructor or before destructor

JPA

* @Entity: a class that map to a table in database
* @Transactional: use this when a function can modify database (C, U, D)
* @Repository: mark a class as DAO (or this class will become DAO implementation)

Note:

* **spring bean:** a class that managed by spring. Spring will scan bean class, create a instance (singleton) and manage it in IoC container. When need dependency injection, spring will point to this singleton object