Journal – RegLog Tutorial

## Connect Spring Boot to MySQL

Configuration of datasource and JPA settings in **application.properties**

spring.datasource.url=jdbc:mysql://localhost:3306/reglog  
spring.datasource.username=root  
spring.datasource.password=  
spring.jpa.hibernate.ddl-auto=update  
spring.jpa.properties.hibernate.dialect = org.hibernate.dialect.MySQL5Dialect

### create AppUser

1. package appuser
2. class AppUser
3. implements UserDetails
4. override methods
5. declare instance variables
6. + **private AppUserRole appUserRole;** (as Enum we have to create it)
7. + **private Boolean locked;**
8. + **private Boolean enabled;**
9. modify getAuthorities()
10. change return of overridden methods
11. here: create @Getters, @Setters etc. with Lombok annotation
12. create a constructor without id field
13. @entity, @id

### create AppUserRole (as Enum)

1. package appuser
2. enum AppUserRole
3. USER, ADMIN

### create AppUserService

### create AppUserRepository (Interface)

### create AppUserService

### create Registration

1. package **registration**
2. class **RegistrationController**
3. class **RegistrationService**
4. class **RegistrationRequest**

### security package

1. package security
2. inside security package config
3. in package config class WebSecurityConfig
   1. @EnableWebSecurity
   2. extends WebSecurityConfigurerAdapter
   3. override configure(HttpSec…)
4. in package config class PasswordEncoder

### email validation and token

1. package token
2. class ConfirmationToken
3. ManyToOne-AppUser
4. class ConfirmationTokenService
   1. give ability to save the token
5. class ConfirmationTokenRepository

Token wird mit einem Ablaufdatum von 15 Minuten in die Datanbank gespeichert. Token (eigene Tabelle) ist über one to many-Beziehung an app\_user\_id gebunden.