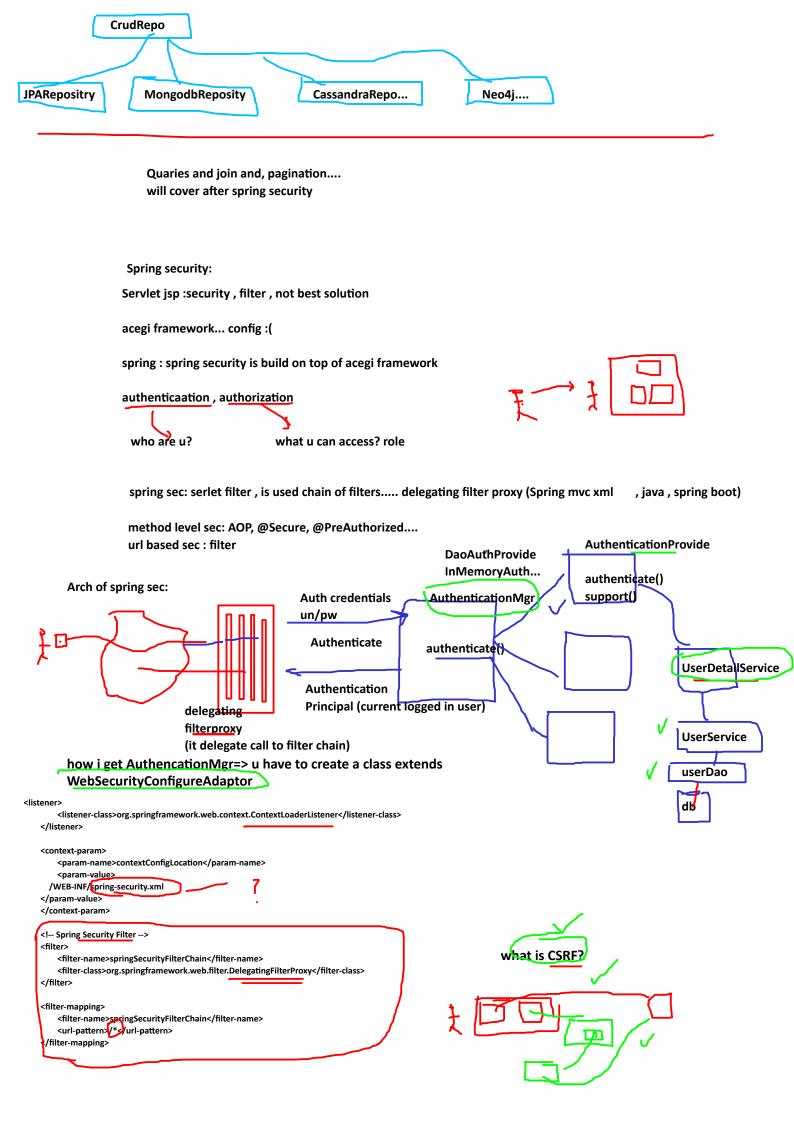
Day 19: spring boot spring boot rest, spring data :) dao layer can be written declartivly spring boot jsp spring boot security spring boot web service Why spring boot? it is wrapper on spring framework ... it make conf dam easy! 0 configration embedded tomcat jar file, no need to configure web app devOp supportive docker, aws cloud plateforms ms: spring boot support it ...) @SpringBootApplication= @SpringBootConfiguration + @EnableAutoConfiguration + @ComponentScan Spring data: is a project ie it dont only talk about rdbms it also support NoSql adv: u dont have to write dao layer .....:) CrudRepository spring data **JpaRepository** spring hibernate <del>hibernat</del>e jdbc ResponseEnity= data + http code handle status code properly handle exception in proper way Spring boot hello world spring boot and spring data spring boot rest end point spring boot status code and exception handing

## spring boot: rest with proper ex handling please run productapp2 and confirm it works or not?

how exception handling is working in spring boot rest?

```
@GetMapping(path = "products/{id}")
       public ResponseEntity<Product> getAnProduct(@PathVariable(name = "id") int id) {
           return ResponseEntity.ok(productService.getById(id));
                                                                           ProductNotFoundException
 @RestController
@ControllerAdvice //aop
 public class ExceptionHandleController {
     // code to handle productNotFoundEx
     @ExceptionHandler(ProductNotFoundException.class)
     public ResponseEntity<ErrorDetails> handleProductNotFound(Exception ex, WebRequest req){
          ErrorDetails details=new ErrorDetails();
          details.setContact("rgupta.mtech@gmail.com");
         details.setDate(new Date());
          details.setErrorMessage(ex.getMessage());
          return ResponseEntity.status(HttpStatus.NOT_FOUND).body(details);
     }
     //code to handle any other server side error
     @ExceptionHandler(Exception.class)
     public ResponseEntity<ErrorDetails> handleAnyOtherEx(Exception ex, WebRequest req){
          ErrorDetails details=new ErrorDetails();
          details.setContact("rgupta.mtech@gmail.com");
          details.setDate(new Date());
          details.setErrorMessage(ex.getMessage());
          return ResponseEntity.status(HttpStatus.INTERNAL_SERVER_ERROR).body(details);
     }
 }
                     Q? spring data: little in more details
                     in spring data vs jpa specification?
                                          hibernate
                 ORM
                                          eclipselink
                 JPA
                                                                          even if u are using jpa
           abst
                                          toplink
                                                                          we have to write the dao layer :(
Spring data:
another motation: is not to standared orm framework (its alrady done by JPA)
to provide declerative way to write crud opeation
                                                                        RDBMS
                                                                                             :)
                                                               NoSql
```



## Restful ws must be stateless ie one req should nothing to do with previour requeste what 401 403 vs it authenitcation fail if authenication is correct but authorization is failed Spring sec db integration tue: spring sec can not talk to my service layer -nasa project he will talk to a class if it extends UserDetailsService "6 month" must be know to u? 5 days serilization : cover it :) core java + ds very imp topic

ı

good programming practive

ROLE\_ADMIN admin

ROLE\_CLERK mgr

ROLE\_STORE\_INCH emp

## **NEXT DAY:**

spring sec : jsp part spring web service

revision of some topics : project work?

:)