DailyHW\_Day1\_Week6

03/23/2022

Notes and Q&A:

<https://docs.google.com/document/d/1O7ogrWUuttxBATKADPk98zPqyQcgCWbdF18YKx0xcSQ/edit?usp=sharing>

Checklist:

<https://docs.google.com/document/d/1fmYhFHUIy44UIId1fpUUV-vWt9RdjD0ghkv9n5PqzBw/edit?usp=sharing>

1. What have you reviewed today?

**Spring**

* Spring framework provides:
  + Managing objects and dependencies by application context and dependency injection
  + Data access
  + Spring mvc
* Dependency injection types:
  + Constructor
  + Setter
  + Field
* AOP: Solution for cross-cutting concerns(logging, security, transaction)
  + Aspect
  + JoinPoint
  + Advice
  + PointCut
* Propagation level(@transaction)
  + Required
  + Required\_new
  + Support
* Isolation level(@transaction)
  + 4

**SpringMVC**

Flow

* all incoming request is intercepted by the **dispatcherServlet**
* **dispatcherServlet** gets an entry of handler mapping form the xml file and forwards the request to the controller
* the controller returns an object of **ModelAndView**
* **dispatcherServlet** checks the entry of the **view resolver** in xml file and invokes the specified **view component**.

**Spring Boot**

* **Advantage:**
  + a flexible way to config the java beans, xml configuration and database transactions
  + batch processing and manage rest endpoints
  + everything is auto configed
  + annotation based spring application
  + eases dependency management
  + include embedded servlet container -> Tomcat

**Restful API**

* @RestController, @Controller, @Service, @Repsitory,
* @GetMapping, @PostMapping, @PutMapping, @DeleteMapping, @RequestMapping,
* @PathVariable, @RequestParam
* @RequestBody, @ResponseBody
* @ExceptionHandler, @ControllerAdvice, @ResponseStatus

swagger is an open-source project used to generate the rest apiful documents for RESTful services.

1. What new things you have learned today?

We do not have class today.

1. What is your learning plan tomorrow?

* 2 coding questions
* Review ORM, Networking, JavaEE