DailyHW

03/25/2022

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?

IOC

* factory design, dependency injection…

DI(one way to achieve IOC)

* constructor
* filed
* setter

bean scope

* single (default)
* prototype
* request
* session
* global session

@Autowired

* by type

@Autowired(required=false), the bean can be null

@Qualifiter(value = “myBean”)

@Resource

* find by name first, then by type

@Nullable

@Component

* bean, managed by container

@Controller, @Service, @Repositoty, @RestContoller

@ResponseBody + @Controller = @RestController

@Scope(“singleton/prototype”)

@Configuration

@Import(MyConfig2.class) -> include tag

@ComponentScan(“package”)

@Bean

mvc

* model view controller
* dispatcher servlet

boot

* auto config
* starter
* tomcat
* annotation based…

restful api annotation

* @RestController, @Controller, @Service, @Repsoitory,
* @GetMapping, @PostMapping, @PutMapping, @DeleteMapping, @RequestMapping,
* @PathVariable, @RequestParam
* @RequestBody, @ResponseBody

Lombok

@Data

@AllArgsConstructor

@NoArgsConstructor

public class Node {

int key;

int value;

}

Exception

@ExceptionHandler

@ControllerAdivce

@ResponseStatus

Validation

@NotNull, @NotEmpty, @NotBlank, @Min, @Max, @Pattern, @Email …

@Value(‘’ ’)

int mailAddress;

@ConfigurationProperrties (prefix = “user”)

@Profile(“dev”)

1. What new things you have learned today?

We have a review session today. There isn’t many new things came up.

If anything, Swagger was introduced.

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

1. What is your learning plan tomorrow?

* Creating a Spring boot project with RESTful API on the weekend
* Mock interview on Spring related concepts
* 2 coding questions