Daily Homework

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?

* TCP
  + Ssh
  + http
  + ftp
* UDP
  + Good for VoIP
  + Streaming videos
  + Gaming
* Java Web Application
  + Tomcat
* Servlet Lift Cycle
  + init()
  + service()
  + destroy()
* Session vs Cookies
  + - Server side vs client side
    - Etc
* 3 tier architecture
  + MVC(view(html)-controller-service layer-DAO layer-database)

1. What new things you have learned today?

* Spring IOC
  + The interface ApplicationContext represents the IoC container.
  + Maintains the lifecycle of objects
  + Loosely coupled
* Spring AOP
  + Common cross-cut concerns: logs, security, transactions
  + Key Terminology
    - @Aspect
    - @JoinPoint
    - @PointCut
    - Advice: @before, @after, @afterreturn, @afterthrowing,@around
* How to handle transaction
  + Spring Programmatic Transaction Management
  + Spring XML declarative transaction management
  + Spring’s @Transactional annotation
* Propagation Level
  + Required
  + Requires\_new
  + Etc
* Isolation level
  + Default
  + read\_uncommitted
  + read\_committed
  + repeatable\_read
  + serializable

1. What is your learning plan tomorrow?

* Focus on Spring concepts
* 2 coding questions