

CS545 Midterm exam Review

The midterm exam will consist of those questions. Total Score: 40

1. Short Answer questions – 6~8 questions – 20 points
2. Programming question – 1 question – 20 points
 - a. PRG, Spring Form, JSTL, EL, Bean Validation

Location: M113

Time: Oct. 9, 10am ~ 12pm, 2 hours (Arrive 5 minutes earlier) Find your name tag to sit.

Exam Policy:

There is no tolerance policy for exams. **You will be asked to leave the exam room immediately without a warning** once you do the following things which mean you'll get **NC**.

1. You are caught cheating or trying to cheat.
2. Answers should be written with a Pen or Pencil, but if you want to use a pencil please bring your own eraser and sharpener. You're not allowed to borrow from other students or proctors during exam.
3. All mobile phones should be turned off and submitted along with your luggage at the beginning of the exam.
4. Restroom policy:
 - 4.1 No phones – show me your pockets
 - 4.2 Only 5 minutes
 - 4.3 Not allowed to go to restroom after someone submit paper
5. You're not allowed to go out room for water.
6. You're not allowed to ask/get extra papers from other students or proctors. All your notes must be written on the exam paper provided. Use the back side if you need to draft.
7. Please write down your answer clearly. If I cannot read your answer, you'll not get credit.
8. If you're not clear about the question, you **MUST** ask me during exam. You cannot claim the question isn't clear while go through exam answers.

Review Points:

Lesson 1: Web fundamental

JSTL c:foreach, c:url

EL

Lesson2 Inside Java MVC Framework

Front Controller: a controller handles all request from website

Lesson 3 Spring & Spring MVC

Content	Video
Front Controller - DispatcherServlet Spring MVC Major Interfaces Spring MVC Flow Spring MVC Front Controller	https://youtu.be/UQsd9qJ0iIA
@RequestMapping/@GetMapping/@PostMapping	https://youtu.be/MMs64PkXpa4 https://youtu.be/N8hQj7NNzNo
@RequestParam	https://youtu.be/TE6_9lksgQY
@PathVariable	https://youtu.be/6PXlYmp69K0
Data binding	https://youtu.be/8EZgniU7uB8 https://youtu.be/zHDUAmHiEJc https://youtu.be/zITQTleXKgY

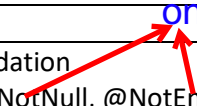
Lesson 4 Spring Tag Library

Content	Video
Spring Form Tag(form, input, select)	https://youtu.be/sdB6srV2l0E https://youtu.be/ic-8HbX45h8 https://youtu.be/OyOA-NntOpo
@ModelAttribute	https://youtu.be/yud1vfSTyWg https://youtu.be/y_lrxRD2424 https://youtu.be/mt7yUMUZzyw
Formatter no programming question	https://youtu.be/AvFzYirJxP4 If you interested in coding, you can look at other videos online to make sure you actually understand what formatter does. You must make sure you understand parse() and print().

Lesson 5 State Management

Content	Video
Attribute scope(Request, Session, application context)	https://youtu.be/zXCDjVichWA
Request	https://youtu.be/cgGWv8v07Ek
@SessionAttribute/HttpSession <code>status.setComplete();</code>	https://youtu.be/HUeFjoa2oyw
servletcontext	https://youtu.be/u7pbYFGvdhs
mvc:resources in the short answer question	https://youtu.be/mcRi3N_QOfU https://youtu.be/QCP0Y1Kx9_Q
PRG pattern	https://youtu.be/zMHRfhPGPM0 https://youtu.be/3dmamfF4f3Q
FlashAttribute	https://youtu.be/RDAj_faDtJ4 https://youtu.be/jzCvJQrJqes
redirect,forward	https://youtu.be/qVSfwHcXA0M

Lesson 6 Validation

Content	Video
 <p> Bean Validation @Size, @NotNull, @NotEmpty, @NotBlank, @Valid, TypeMismatch error message Spring form display error message Bindingresult </p> <p>on object</p> <p>on string</p>	https://youtu.be/SrvBU5x3Mco And Watch all other videos from: 40. Bean Validation in Spring MVC Coding Step by Step - Part I - Feature Discuss To 45. Bean Validation in Spring - PART VI - Type Mismatch
Custom bean validation (no coding)	Need to wait

correction on the video
use MM/dd/yyyy....on video 42