

CS545 Final exam Review

The final exam only has 1 programming question. Total Score: 44

- a. ORM mapping, Controller, PRG, Form(input, select, textarea), Service layer, Spring Data
- b. Spring REST, Ajax, basic jQuery functionality(loop, select elements, append, etc)
- c. Thymeleaf: Form, iteration, URL

Location: M113

Time: Oct. 18, 10am ~ 12:30pm, 2.5 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 8: Spring boot, Thymeleaf

No configuration/setup for Spring boot

Need to understand how to use Thymeleaf(CRUD)

Lesson 9 Web 2.0 REST & Ajax

Slides 22-27: Ajax, validation, basic jQuery(retrieve value, set value, loop, etc)

Programming Question – See demos & Lab – Make sure you understand ORM, remember those annotations.

- @Table, @Entity, @Column
- One To Many bidirectional/Unidirectional JoinColumn
- Ajax submit form, display success/error message
- PRG – submit form (success, fail cases)
- Thymeleaf
 - Form (Data binding), iteration, URL

Spring Data

- CrudRepository
- Optional findById()
- Iterable findAll(),
- T save(),
- @Query annotatedmethods(native query, JPQL)

Don't leave it blank if you don't know answer, guess answers.

Good luck.