

Meeting 27: Final Exam Review



Announcements

- Final exam Thursday 7-9:30pm, ECCR 265 - *Return materials then*
- Final project presentations following week - *Watch out for sign ups*

Course Survey

- Course overall: 4.9 mean, 5 median (6 max)
- Instructor overall: 4.9 mean, 5 median (6 max)
- "This course has made me a stronger software engineer and computer scientist.": ~~100%~~ *95%*
Strongly Agree/Weakly Agree, ~~0%~~ *74%* Strongly Agree
- I read all of your comments, which I definitely reflect on carefully to improve. Thank you!

- "My biggest regret this semester was using Python as the implementation language. Most of the frustration I experienced throughout the course came down to the pitfalls of maintaining a large project in Python."
- "I thought this course was extremely well designed. The only complaint I have is that Python was the chosen language to compile, as it's weird semantics were the cause of most of our headaches, but I understand the reasoning for it."
- "Toward the end, some of the material felt kind of dry -- I was super excited about learning new material, up until lab 6"
- "I felt that the course was good overall, but the time commitment was a little bit extreme for the amount of credits offered."

12 credits

13 credit

~ 30 hours/week

4-credit / 12 hour-week course

→ No skeleton code aspect ←

- FCQs are important!

* More quizzes *

+ Show refinement
the more

More discussion

w/ grading assistant

on how evaluate
the "theory" questions

Project

- Define stages so that you have something to show.
- Stages become (1) a set of test cases that are easy, (2) a set of test cases that you expect to handle by the end, and (3) a set of test cases that will be stretch.
- Be concrete by working out examples.
- Undergrad vs. grad. Grad asks a small amount of a literature survey (e.g., a particular research paper that you're build on).

Presentation

An advertisement for your paper. Show off your excitement for **your** project.

Introduction

1. A catch.
2. What is the problem you're solving?
3. Why is this problem important (i.e., why you should care) and this problem hard (i.e., why hasn't it been solved before)?
4. What is my contribution (a claim)?

[Roughly 1-2 slides per point. One slide = one sentence.]

Body

1. A sense of contribution 1
2. A sense of contribution 2
3. Results of an evaluation that supports my claim

Conclusion

1. What is my contribution?
2. What follows from my contribution?

Paper

- Abstract
 - 4 sentences. The same as Introduction plus a sentence on "What follows from my contribution?"
- Introduction
 - Same as for the presentation (except roughly 1-2 paragraphs per point)
- Body
 - Same as for presentation (except 1 section per point)
- Related Work (for research papers)
- Conclusion
 - Same as for presentation (except a paragraph per point)

Questions

- ① Recap static vs dynamic typing — class attr. bug
 - ② Heapification and declassification
 - ③ Exercise 6 — memory, while loop
 - ④ IS, Q5
 - ⑤ Analysis — on midterm
 - ⑥ Exercise 5, Q3 ✓
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