

CSC 148: Introduction to Computer Science

Week 7

Midterm: Review Time!



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Midterm Reviewing

It's always a good idea to *review marked work* and to *reflect on how to improve on the next assessment*.

- You can download a copy of the midterm with annotations for grading from Quercus
- You can view your own midterm marking through the link provided from Crowdmark



Midterm Reviewing

- It's always a good idea to *review marked work* and to *reflect on how to improve on the next assessment*.
- We recommend reviewing *individually first*, and then *in groups*.
 - When you lost points, consider the annotation provided. *Is it correct? What should the correct answer be?*
 - For each question ask, *where did this come from?* How will that guide your studying for the next test?
- Use your peers to help you review and generate solutions.



Some “Don’t’s”

- Please don’t ask people for their grades.
 - They’re personal.
 - Today’s focus is on *how to improve*.
- Please don’t ask TAs about changing the marking scheme.
 - They (and most instructors) don’t have the power to change the marking scheme. (See piazza for info.)
 - We’ve provided our marking scheme, and you should check if it was applied correctly. (We can make mistakes!)



Question 1

We often put a few short answer questions on unrelated topics into question 1.

- This test had questions on the implementation/interface divide and ADTs.
- The most common mistake: *the API contains only public elements*.
 - Implementation is not public.



Question 3: Object Oriented Design

Some common issues. For the below, ask *why*?

- The signatures of methods in the subclasses should match the signatures of the parent class.



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Some common issues. For the below, ask *why*?

- The signatures of methods in the subclasses should match the signatures of the parent class.
- In most cases, subclasses should not have new public methods.
- `__init__` should be overridden *often with new parameters* if a subclass has new attributes.



Question 4: Efficiency/Linked Lists

There was less code writing on this test than I'd expect on test 2. Check the deferred test for an example of a code writing question.

- Common mistake: Check the justification provided for the questions about the index at which an operation is most expensive.



Midterm Review!

- Start by looking at the questions alone ...
- The TAs and I can help with understanding the answer if your table group has a question.
- After you're done reviewing the test, consider these reflection prompts ...



Reflection Prompts

- *Where did the questions come from?*
 - What does that tell you about where to put your focus?
- *Where did you have marks deducted?*
 - Is there any pattern? What kinds of errors were made?
- *How did you feel about the time you had?*
 - What skills need to become more automatic?
 - Where did you write more than needed?