

A1 Pickup & Midterm Preparation

CS 2ME3/SE 2AA4

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Outline

1 A1 Pickup

2 About the Midterm

A1 Marking

- Marks will be released around reading week break
- A1 solution is posted in gitlab, inside folder
Assignments/A1/A1Soln
- To find who marked your assignment, look for your macid in
the files inside folder
Assignments/A1/A1_TA_GradingAssignment

A1 Interesting Parts

- 1 Behaviour of `SeqT.add(i, v)`: if $i > \text{len}(\text{SeqT})$, should exception be raised, or should v be appended to the end?
- 2 Behaviour of `SeqT.rm(i)`, `SeqT.set(i, v)`, and `SeqT.get(i)`: what happens if $i > \text{len}(\text{SeqT})$?
- 3 Behaviour of `SeqT.indexInSeq(v)`: if $s.\text{get}(i) \leq v \leq s.\text{get}(i+1)$ is not satisfied, what should it return?
- 4 Will `linVal(x)` equal `npolyVal(n, x)` for the same x value? Why or why not?
 - `linVal` is linear interpolation between 2 points whereas `npolyVal(n, x)` is regression for all points

A1 Testing

- Make sure you are able to run `make test` in your A1 root folder
 - Some people point to input file inside `src` folder with relative path, and some point to input file with absolute path.
 - `python` will find files in different directory when you run `python testSeqs.py` inside `A1/src` and `make test` inside `A1`
- How would you modify your testing file after last week's tutorial on unit testing?

Midterm Format

- 90 minutes
- Multiple choice questions
- Written/printed notes or textbook are **not** permitted.
- All electronic devices are **not** permitted.

Midterm Notes

- Some questions are easy, some questions are hard
- The test will be harder than you think!
- I encourage you to attempt last year's midterm (inside this folder) without looking at the answer on your own as practice

What Material Should I Review?

Everything covered during class and tutorials is fair game. You should review:

- All lecture slides
- Tutorial slides
- Assignments and solutions
- Ghezzi: Ch. 1 to 4
- Hoffman & Strooper:
 - Explicitly covered: Ch. 3, 6 and 7
 - Implicitly covered: Ch. 1 and 2 (overlaps with Ghezzi)
- Parnas papers in repository

Last Year's Midterm

- I will go over last year's midterm with you