CSE 341 AB: Section 5 Midterm Review!

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Office Hours: Tuesdays 3:00 - 4:00pm

Porter's Office Hours: Thursdays 5:30 - 7:30pm

Game Plan

Goals:

- Get comfortable with the types of questions
- Develop some problem solving strategies.

We'll pick some problems from previous midterms. For each problem:

- 1. Try the problem on your own.
- 2. Compare with someone next to you. Sort out disagreements and confusions.
- 3. I'll ask people to share their problem solving strategies.
- 4. I'll give some of my own.

Likely Midterm Topics

Which topics would you like to focus on? Do you have specific problems you'd like to work on?

- 1. Datatypes and recursive functions
- 2. Pattern matching, reordering and removing patterns
- Type checking, type inference, type generalization
 Mystery code evaluation
- 4. Higher order functions, currying, tail recursion
- 5. More higher order functions, currying, tail recursion
- 6. Module structures and signatures

1. Datatypes and recursive functions

- Fall '18 (maze)
- Fall '17 (exp)
- Spring '17 (miniHTML)
- Spring '16 (pipe)
- Spring '13 (ternary trees)
- Winter '13 (points)

2. Pattern matching, reordering and removing patterns

- Fall '18
- Fall '17
- Spring '17
- Spring '16
- Spring '13
- Winter '13

3. Type checking, type inference, type generalization

- Fall '18
- Fall '17
- Spring '17
- Spring '16
- ◆ Spring '13
- Winter '13

3. Mystery code evaluation

- Fall '18
- Fall '17
- Spring '17
- Spring '16
- Spring '13
- Winter '13

4+5. Higher order functions, currying, tail recursion

- Fall '18
- Fall '17
- Spring '17
- Spring '16
- Spring '13
 - **#5.** After section, try to solve using fold!
- Winter '13

6. Module structures and signatures

- Fall '18
- Fall '17
- Spring '17
- Spring '16
- Spring '13
- Winter '13