CSE 341 AB: Section 5 Midterm Review!

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Review Session: **Saturday 2 - 4pm @ G04**

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

3. 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

Datatypes and recursive functions

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

Type checking, type inference, type generalization

- Spring '16
- Spring '13
- Winter '13

Mystery code evaluation

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

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

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

Module structures and signatures

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