

jAgenda for CSCE 590 class meeting of 2020-09-22 (Class 9: 2 of Week 5; Online)

1. Remember to record the session!

| WEEK | TOPIC | SOURCE |
|-----------------------|--|-------------------------|
| 1 (8/20, 8/25) | Introduction and the GHC Compiler and Haskell Platform | Chs. 1 and 2 [H] |
| 2 (8/27, 9/1) | Types and Classes | Ch.3 [H] |
| 3 (9/3, 9/8) | Defining Functions and List Comprehensions | Chs. 4 and 5 [H] |
| 4 (9/10, 9/15) | Recursive Functions | Ch. 6 [H] |
| 5 (9/17, 9/22) | Higher-Order Functions | [B] and Ch.7 [H] |
| 6 | Declaring Types and Classes and the Countdown Problem | Chs. 8 and 9 [H] |
| 7 | Review and Midterm | |
| 8 | Interactive Programming | Ch. 10 [H] |
| 9 | Two-person Games | Ch. 11 [H] |
| 10 | Functors, Applicatives, and Monads | Ch. 12 [H] |
| 11 | Monadic Parsing | Ch. 13 [H] |
| 12 | Foldables and Lazy Evaluation | Chs. 14 and 15 [H] |
| 13 | Reasoning about Programs | Chs. 16 and 17 [H] |
| 14 | Functional (Persistent) Data Structures | Instructor's Notes |
| | Final Exam: December 10, 9 a.m., in the classroom | |

- Check email to see whether students are emailing reports of trouble.
- Ask student to use chat for questions and mute audio and video on their side, to limit clutter and bandwidth.
- Virtual Office Hours. I expect to have virtual office hours on Blackboard Collaborate Ultra from 1500-1800 on Mondays. Office hours are canceled until further notice. Please email me for meetings.
- HW4: Exercises 1-9 Ch.5 [H], due on Tuesday, September 22 (today). HW5: Exercises 4, 7-9 Ch. 6 [H], due on Thursday, September 24. Details in the departmental dropbox.
- HW6: View a lecture on FP/FL by Dr. John Backus and answer the questions, due on September 22, 2020 (today). See the main course website for details. Direct link to worksheet: <https://cse.sc.edu/~mgv/csce590f20/hw/hw6.pdf>. This assignment is due on Tuesday, 2020-09-22 (today), but it will be accepted until Thursday with no penalty, because the instructor was late in setting up the departmental dropbox.
- Ch. 4 [TFWH]: Lists.
- Ch.5 [TFWH]: A Simple Sudoku Solver.
- Make sure that the students are fine and wait for questions before ending the session.