Discrete Math & Functional Programming— CSCI 054— Spring 2025
Instructor: Osborn
Homework 1 - groupwork (1 point(s))
Due: 11:59PM on Thursday

- Please work on these questions at the start of your group's meeting time. Once you have something you're comfortable submitting (note that we are evaluating based on effort+participation, not correctness!) you can use the remainder of the hour (i.e. the time during which your group mentor will be available) however you'd like: you can ask conceptual questions, start to work on the assignment, etc.

- Your responses can be in any format as long as you're able to upload a single pdf to Gradescope. In the past I've seen: photos of work on a whiteboard, scanned notebook pages, pdf exported from a tablet, typeset responses, etc. As long as I can read it, you're fine.

- Exactly one person in the group should upload the responses as a single file to gradescope (making sure to add all the other group members on the submission!) They should make sure to mark the page(s) containing the solution to each problem. It is highly recommended that you do this before the end of the group meeting so that everyone is comfortable with how to use Gradescope!

1. **[.5 point(s)] Setting up your group**

   (a) List the members of your group.

   (b) What is your regular weekly meeting time?

   (c) Where do you intend to meet?

   (d) What will be your main method for group communication? (email? Slack? Messenger?)

   (e) Who in your group will submit on Gradescope each of the following? (Everyone in your group must be responsible for turning in at least one of these!)
   - small group assignment: week01-group (this assignment!)
   - small group assignment: week02-group
   - small group assignment: week03-group
   - small group assignment: week04-group
   - small group assignment: week05-group
   - small group assignment: week06-group
   - small group assignment: week08-group
   - small group assignment: week09-group

- small group assignment: week11-group
- small group assignment: week12-group
- small group assignment: week13-group
- small group assignment: week14-group

(f) Who is the most introverted member of your group? How introverted is that?

(g) Who is the most extraverted member of your group? How extraverted is that?

(h) How will you make sure everyone's voice is heard in your group?

(i) Who is your assigned TA, what is something interesting about them, and what advice do they have for taking this class?

2. **[.5 point(s)] Setting up your work environment** The goal of this problem is for everyone to have Haskell working on whatever machine they plan on using for the rest of the semester. If you have problems please talk to your TA, to me, and/or post on piazza.

- Install `ghci` and get a text editor working. (I followed the instructions at `https://www.haskell.org/ghcup/`.)

- Set up a working directory on your computer for this class. Open either terminal (mac) or cygwin (windows) and create a directory for all your `cs54` code by typing

      mkdir cs54

  (`mkdir` is short for "make directory"). You can then move into this directory by typing

      cd cs54

  (where `cd` is short for "change directory").

- Now download the file `week01-code-template.hs` from the canvas site and move it into the `cs54` directory that you just created. Rename it as `week01-code.hs` or something similar; this is the file you will submit on Gradescope for this week's assignment (not the group assignment that you're currently working on, but the individual coding assignment that is due on Sunday 1/21).

To submit: did everyone in your group get this far? What challenges did your group face and how did you resolve them?