CS 341:Programming Language Design And Implementation

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Fall 2021

Homework	4
Due	**Noon**, Oct. 8th
Policy	Individual work only, no late submissions
Assignment	haskell directory
Submission	gradescope

1 Haskell

Write a Haskell program which will read file directory (if it exists) and enable the user to add (a), remove (r), list (l) directory contents. List provides an index number (starting at 0) and the directory entry, each entry in sorted order. In addition, when the user exits (x), the directory is saved in the file directory. Each directory entry contains:

- firstName

- lastName

- telephoneNumber

From the terminal the user can enter:

- a *firstName lastName telephone number*

- l

- r *index*

- x

Electronic Submission

Before submission, make sure your name appears somewhere on your assignment. When you are ready to submit, login to Blackboard, find Assessments in the left hand side, then follow the link to Gradescope (or navigate to Gradescope directly), and then submit your image to "Homework 4". You may submit as many times as you want, but we grade only the last submission.

Policy

All work is to be done individually — group work is not allowed. While we encourage you to talk to your peers and learn from them, this interaction must be superficial with regards to all work submitted for grading. This means you *cannot* work in teams, you cannot work side-by-side, you cannot submit someone else's work (partial or complete) as your own. The University's policy is available here:

<p align="center"><code>https://dos.uic.edu/conductforstudents.shtml</code> .</p>

In particular, note that you are guilty of academic dishonesty if you extend or receive any kind of unauthorized assistance. Absolutely no transfer of program code between students is permitted (paper or electronic), and you may not solicit code from family, friends, or online forums. Other examples of academic dishonesty include emailing your program to another student, copying-pasting code from the internet, working in a group on a homework assignment, and allowing a tutor, TA, or another individual to write an answer for you. It is also considered academic dishonesty if you click someone else's iClicker with the intent of answering for that student, whether for a quiz, exam, or class participation. Academic dishonesty is unacceptable, and penalties range from failure to expulsion from the university; cases are handled via the official student conduct process described at `https://dos.uic.edu/conductforstudents.shtml` .