

# Final Project Proposals

CS3490: Programming Languages

Due: Friday 2021-04-09, 11PM

Submit your final project proposal. It should be *concise*, about 1-2 pages, but it must answer all of the items below.

Submit your proposal to ASULearn as a PDF file. If you write it in a word processor such as google docs, make sure you export the file as a PDF.

1. What will your program *do*? State precisely the problem that it will solve.
2. What will the user interaction look like? How will the program take the input? How will it return the output to the user?
3. What datatypes will be used internally by the program? How will the inputs be parsed into internal representations?
4. Give a *brief outline* of the process by which the program will attain its goal.

A good answer could include the datatype(s) definition, a list of functions to be implemented, a one-line description of what each function does, and pseudocode for a “main” method that will call them in sequence. (At this point, you do *not* have to give the pseudocode for individual functions.)

5. If you intend to work in a group, list the name(s) of who you will work with.