

# CSE341 – Programming Languages (Fall 2018)

## Project #2

**Handed out:** 2:00pm Wednesday December 5, 2018.

**Due:** 11:55pm Monday December 31, 2018.

**Hand-in Policy:** Source code should be handed in via Moodle. No late submission will be accepted.

**Collaboration Policy:** No collaboration is permitted. Any cheating (copying someone else's work in any form) will result in a grade of -100 for the first offense and -200 for the subsequent ones.

**Grading:** Each project will be graded on the scale 100.

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**G++ Language Parser** (100 points): Given the description of the G++ language (G++Syntax.pdf) you are asked to implement the parser that parses a given tokenized G++ program.

You are expected to submit the file "parser.lisp" with a function called "parser". This function should take a list of tokens and perform parsing of the program. The output of the function should be the parse tree.

**Grading:** Full score would require the parser code to properly implement the given CFG with potential ambiguities resolved.

### Submission and Grading

You will submit your version of file *parser.lisp* via Moodle.