

# CSC402/502 - Graduate Credit Project

## Due Sunday 12/10 in Sakai

### Project

The idea of this project is to implement one of the languages that we have covered in class (with the exception of exp0 and exp1) and implement it using lex (flex) and yacc (bison) under Linux. The implementation language has to be either C or C++.

I highly recommend doing this project on the virtual machine provided with this class. It has been preconfigured and has all the necessary packages installed. I would discourage doing this project natively on MacOS or any other Unix because configurations are different and not all packages are available on all machines. Furthermore, I will not answer questions regarding implementations on machines other than Linux machines.

### Deliverables

If you are taking 402 for graduate credit, i.e., you are enrolled in CSC502 then you **HAVE** to complete this project. If you are taking 402 for undergraduate credit, i.e., you are enrolled in CSC402 then you can complete this project for extra credit.

The deliverable is a zip file of a folder that contains:

- your working code
- instructions how to build your language processor
- instructions how to execute your language processor on a set of examples
- a set of examples (minimum 3 substantially different examples) that highlights your implementation

Failure to provide one or more of the above items will adversely affect your grade.

The project is due in Sakai on Sunday 12/10. For details please see the course website and Sakai.