Github repo:

Documentation

Grammar

Details: class used to represent a grammar read from a file.
It has methods for reading from a file, printing the necessary information and checking if a grammar is a context free grammar.

Production

Details: this class is used to represent a production having a left hand side and a right hand side.

Menu

Details: this class is used to create a menu for the user to interact with. After reading a grammar, the user can print the nonterminal symbols, terminal symbols, the set of productions, the productions for a given nonterminal, the starting symbol and can perform a check on the grammar to see if it is a context free grammar (the left hand side of a production is a nonterminal and the right hand side is a combination of terminal and nonterminal symbols).