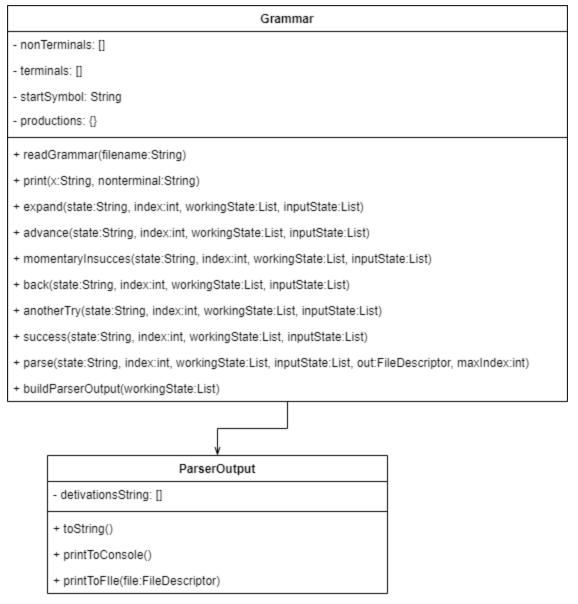
Lab 5 documentation

Link GitHub: https://github.com/timoteicopaciu/LFCD/tree/main/Lab%2005



```
class Grammar:

def readGrammar(self, filename):
    """

    Read a Grammar from a file
    :param filename: string, the name of the name where Grammar is stored
    :preconditions: filename must to be a string, representing a file name
    :postconditions: the Grammar object's attributes will be completed
    :return: none
    """

def print(self, x, nonterminal = None):
    """
```

```
:param x: char, representing an option in order to know what to return
   :param nonterminal: string, a nonterminal, production starting from it
    :param index: integer
   :param inputStack: a list, representing input stack, part of the tree to
   :param state: a char
    :param inputStack: a list, representing input stack, part of the tree to
def momentaryInsuccess(self, state, index, workingStack, inputStack):
```

```
:param state: a char
  :param index: integer
  :param inputStack: a list, representing input stack, part of the tree to
def anotherTry(self, state, index, workingStack, inputStack):
  :param workingStack: a list, representing the working stack, stores the
def success(self, state, index, workingStack, inputStack):
```

```
:param workingStack: a list, representing the working stack, stores the
def parse(self, state, index, workingStack, inputStack, out, maxIndex):
    :param state: a char
    :param index: integer
    :param workingStack: a list, representing the working stack, stores the
    :param out: a file descriptor to the file where the track of operations
def buildParserOutput(self, workingStack):
```

class ParserOutput:

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Represent the output of a parser as a derivations string

```
def toString(self):
    """
    Represent the parser output object as a string
    :return: a string, representing the parser output object as a string
    """

def printToConsole(self):
    """
    Print to the console the out of the parser as a derivations string
    :return: None
    """

def printToFile(self, file):
    """
    Print to the file the out of the parser as a derivations string
    :param file: a file descriptor, representing the file where to write
    :return: None
    """
```