1 Parser Module

This module is Invoked by the GUI module to read the data from the input file given by the user and pass it to the PM-modifier

1.1 Interface Data Structure

1. Table Record

Table Record :

  Table record will contain a single datatypes.

- VMcapacity—Integer

This data structure is exported when the parse function passes it to ADDVM(cap) of the PM modifier module.

1.2 Internal Data Structure

  NONE

1.3 Interface Functions

- int parse(file)

Description : This function opens the given file,reads the information which was read from the file are passed to the ADDVM(cap) function in the PM-modifier module.The data read from the line wise.Each input in input file should be of this format[VM-ID VM-capacity]

Input Parameters : The path of the file given by the user from the GUI module, complete path should be specified.

Output Parameters :NONE.

Return values : It returns the number of lines successfully completion of parsing and error number assigned to a specific error when the parse is not successful.

Psudocode :

PARSE(file)

1: fp=openfile(filepath,"r")
2: **if** $fp == NIL$ **then**
3:     print file not found error
4: **else**
5:     **if** $((ch = fgetc(fp)) = EOF$ **then**
6:         There is no information in the file which you entered
7:     **end if**
8: **end if**
9: exit(EXIT FAILURE)
10: **while** $(ch = fgetc(fp))! = EOF$ **do**
11:     //here p is the reference to the table row
12:     p.vmcap=strtok(fp)
13:     //this p.vmcap will pass to the PM modifier module
14: **end while**
15: successful exit