

## **Project name: Log Analyzer Library**

### **US – 9 : Search Logs in directories**

there is several directories that contents various logs :

- C:\AmadeoLogs
- C:\AWIErrors
- C:\Loggings

it is very important to note the above directories can be located on other drive such as D:\

Note also that the above directories can be sub directories

Regardless to their location, library should be implemented in such way that i won't cause any problem.

to be able to perform a test, create those directories on you pc drive, download the logs samples in the link below

<https://www.dropbox.com/s/x1usuj26wz53c4s/Logs%20samples.zip?dl=0>

Important: the sample provided do not contains all the type of errors within log file, it means that every entry in a log file has a date and time therefore it identify each line

note also that each line need to be compared to each other in other to be able to implement functionality requested within other tasks but exceptions exist.

### **US-12 : Counts number of unique errors per log files**

See User story - 9 for the initial description

each log file content several lines of errors, sometime those errors are duplicated, the goal here is to count/sort errors without taking in account or counting the duplicated ones.

### **US-13: Counts number of duplicated errors per log files**

See User story - 9 for the initial description

each log file content several lines of errors, sometime those errors are duplicated, the goal here is to count/sort how many errors have been duplicated

### **US-17: Delete archive from a period**

See User story - 9 for the initial description

Delete an archive from a period, this is a recursive delete.

### **US-16: archive logs from a period**

See User story - 9 for the initial description

Zip some log files and store them in the same directory then delete the logs zipped / archived

the name of the zipped file should the date range e.g "10\_06\_2020-15\_06\_2020.zip" which content the logs of that period in a target directory

### **US-18: upload logs on a remote server per API**

See User story - 9 for the initial description

Upload logs file to a remote server using the API

### **US-11: Delete logs from a period**

See User story - 9 for the initial description

delete logs from a period in all directories or target directory

### **US-10: Count Total available logs in a period**

See User story - 9 for the initial description

total logs in all directories or a target directory in a period

## **US-15: Search logs per size**

See User story - 9 for the initial description

search log per sizes, by given a size range e.g 1kb - 4kb, only work in kilo byte

## **US-14: Search logs per directory**

See User story - 9 for the initial description