

Individual Milestone 5 Report

Executive Summary

Tasks and Activities Performed

- Re-installation of software
 - Description: Due to a power failure in my laptop (equipment I dedicated for earth) I had to install/update the needed software on my PC (I had already some previous version installed but they needed to be updated to be able to work with earth). However, when trying to update the rubygems I was getting an error related to rdoc. After searching on the internet the problem seems to be related to the installation of rdoc. After several attempts to fix it I decided that it was faster to just make a new partition and install all the needed software from scratch following the step-by-step guide I putted together previously
 - Idea/Solution: new partition on disk
 - Affected files: N/A
 - Git commits: N/A
 - Estimated time taken (planned): N/A (was not planified. Though I could fix it in 0.5 hours)
 - Estimated time taken (actual): 2 hours (approx 0.75 trying to fix the rdoc error, and 1.25 doing the actual diskpartition plus installation of ruby, rubygem, postgres and the other libraries needed for earth)
- Integration of previous milestone
 - Description: Start looking a what should be integrated from the 3 groups from the previous milestone. I then studied the instructions elaborated by Alex and Mohammad and also followed the link from the source they gave. However, after several attempts, following different methods and ideas I discovered I was not able to perform the integration due to restrictions on my privileges. .This issue was then reported to Mohammad (who corroborated me that the problem was the privileges) in order to grant me the necessary privileges in order to be able to the integration for the next milestone
 - Idea/Solution: report privilege issue to Mohammad
 - Affected files: N/A
 - Git commits: N/A
 - Estimated time taken (planned): 8 hours
 - Estimated time taken (actual): 2 (due to privileges restrictions) hours

- Due to the technical impediments to perform the integration, I then join Ming and Callum in order to help them with the image task. We conducted a research about how this could be done. We then found a piece of code which we modified to accommodate to our necessity.
 - sub-task 1
 - * Description: Research on how to extract information from the images
 - * Idea/Solution: found code on internet which could be adapted to our needs
 - * Affected files: N/A
 - * Git commits: N/A
 - * Estimated time taken (planned): 1 hour
 - * Estimated time taken (actual): 2.5 hour
 - sub-task 2
 - * Description: Study and modifications were done to the code found.
 - Changed it from looping through all files from the current directory and extracting their information, to only extract information from the file specified on a given variable.
 - Extraction the piece of code that allowed to get the file name from I/O (not needed)
 - Also stopped from processing all files (even if they are not images) to only process images file.
 - As this work was assigned to Callum and Ming, they already had a solution in mind which involved the files and tables that their group did in previous milestone; as I do not have access to it, I could not test the code in earth, therefore, all the changes were sent to Callum and Ming.
 - * Idea/Solution: Study and adaptation of code to meet our necessities
 - * Affected files: image_size.rb (original code found)
 - * Git commits: N/A (changes were mailed, not need of GIT for it)
 - * Estimated time taken (planned): 2 hour
 - * Estimated time taken (actual): 3.5 hour
- Elaboration of documents
 - Description: Elaboration of report (milestone 4)
 - Idea/Solution: N/A
 - Affected files: Documents/Reports/Milestone4/Group_3/a1135461.1.tex, Documents/Reports/Milestone4/Group_3/a1135461.tex.

- Git commits: f7e675bda62c13ab2c744572d397d85fe979de7a
- Estimated time taken (planned): N/A
- Estimated time taken (actual): 0.5 hours

Resource Contributions

In addition to all the time specified above, there were several meetings related to milestone 5 and the new groups. Some of these meetings were held before the reform of the groups; on such meeting, Ken, Jian and I discussed about this possibility of reforming the groups and evaluate different options on how to make the new groups. The total time spent on meetings was approx 5 hours, given a total for milestone 5 of 15.5 hours.