

Individual Milestone 6 Report

Executive Summary

I was assigned to the integration of the repositories of group 1, group 2 and group 3. In addition to that, I also assisted Ming with the documentation of the plan for this milestone

Tasks and Activities Performed

- Assisting in the elaboration of the plan for this milestone
 - Description: Helped Ming to elaborate such document
 - Idea/Solution: N/A
 - Affected files: `segp2/Subgroups/integration_group/group2-milestone6-plan.tex`, `ssegp2/Subgroups/integration_group/group2-milestone6-plan.pdf`
 - Git commits: `d4856502a6fe61cadd4754c97b90222fec97a7cb`
 - Estimated time taken (planned): 3 hours (including the meeting held before starting the documentation)
- Integration of previous milestone
 - Description: Several sessions were needed in order to perform the integration of the three group repositories. Some of them were done in pair with Ming and other one was done with Ken
 - Idea/Solution: merge all the group branches into group 3 branch
 - Affected files:
 - * `earth/app/controllers/application.rb`
 - * `earth/app/controllers/browser_controller.rb`
 - * `earth/app/controllers/graph_controller.rb`
 - * `earth/app/helpers/application_helper.rb`
 - * `earth/app/helpers/usages_helper.rb`
 - * `earth/config/usage_routes.rb`
 - * `earth/lib/earth_api/eapi_utilities.rb`
 - * `earth/lib/earth_plugin_interface/plugin_manager.rb`
 - * `earth/lib/earth_plugins/file_monitor.rb`
 - * `earth/script/earthd`
 - * `earth/script/sign_plugin`
 - Git commits: `2c9092391b371f18e0fc70a0440d9ad9ef599dd6`
 - Estimated time taken (planned): 8 hours
 - Estimated time taken (actual): 13

- Elaboration of documents
 - Description: Elaboration of report (milestone 5)
 - Idea/Solution: N/A
 - Affected files: `Documents/Reports/Milestone5/tickets_group/a1135461.1.tex`,
`Documents/Reports/Milestone4/Group_3/a1135461.tex`.
 - Git commits: 695add05d554afd0910c5a3c5ac07041bd942186
 - Estimated time taken (planned): N/A
 - Estimated time taken (actual): 0.5 hours

Resource Contributions

The integration was started with the help of Ming, solving several merge conflicts. Some of the rake test were failing and therefore, Ken's help was needed due the his knowledges of specific pats of the system.

One of the major problems presented during the merging phase was that different versions of the same ticket were presented in several repositories, having to be merged by hand, making it difficult to know which version was the one to keep. This was increased due to the lack of documentation of the code written. Possible solutions that may reduce this problem

- Commenting the code added/modified with a brief description, and perhaps the date, help in finding out which is the latest version and the one to keep.
- After completing something that is working correctly, it should be integrated and everybody should sync with it