Milestone 4 Individual Report

Alex Egan

1 Task Description

The task assigned to me was Ticket 75. This deals with dynamic sorting of the output in the Navigation and All Files tabs in the Earth application. The goal was to be able to click on a column heading, such as Name or Size, and have the file listing be sorted by the appropriate criterion.

2 Progress Summary

The ticket was not completed as required. Investigations into the changes to be made revealed bugs in the current implementation of the pagination on the All Files view and the sorting of the columns. The All Files view has the dynamic sorting that the ticket requires implemented but it does not work when there is only one page of files to list. The sorting also takes two parameters so that it can sort by name and then by file size, for example. There is an arrow icon that indicates ascending or descending sort order by pointing up or down. The default sort state causes this icon to not show initially and this is another issue that needs to be addressed.

The plan was to use the current code as much as possible and to use the All Files implementation as the basis for the Navigation tab to ensure visual and code consistency. I tried to fix the bugs but was unsuccessful in my attempts. Once these are fixed it will be easier to add the necessary changes for the Navigation tab.

3 Resource Allocation

The estimate as in the plan is below.

Subtasks:

1. Design and code the dynamic sorting of record listing. (7 hrs)

2. Test and integrate solution to the Subgroup 1 codebase. (2 hrs)

3. Update the Earth Trac system. (1 hr)

Total Time Estimate: 10 hrs

4 Resource Use

See the Time Log in Section 5 for detailed time spent on the tasks.

The task was not completed on schedule. Once work began on this task, it became apparent that the planned approach was not going to work. The planned subtasks should have been more refined. The largest issue was understanding the existing code and how it works. Trying understand Haml proved more difficult than expected. The discovery of the bugs mentioned in Section 2 was unexpected.

To improve progress in the next sprint, working with someone who has a better knowledge of Haml, perhaps through pair programming, will assist in finding the issues that need to be resolved and help me improve my understanding of the markup language. This will assist in making progress on other tasks in the future as well.

5 Time Log

Semester 2, Week 1

Monday Jul 28, 2008

1300 - 1500 hrs
Attended main group meeting and discussed planned tasks for Milestone 4.

Daily Total 2 hrs

Thursday Jul 31, 2008

1800 - 2000 hrs
Looked through Earth code to find the appropriate files to be modified for completion of the task. Began trying to figure out how the code works.

Daily Total 2 hrs

Weekly Total: 4 hrs

Semester 2, Week 2

Monday Aug 4, 2008

1300 - 1400 hrs
Attended main group meeting and discussed progress.

Daily Total: 1 hrs

Wednesday Aug 6, 2008

1400 - 1500 hrs
Attended Group 1 subgroup meeting with Dr Li.

1900 - 2000 hrs
Discovered that my installation of Earth wasn't working when I tried to test some changes. Tried to remedy it unsuccessfully.

Daily Total: 2 hrs

Thursday Aug 7, 2008

1700 - 1900 hrs
Got Earth working again. Coding.

Daily Total: 2 hrs

Weekly Total: 5 hrs

Semester 2, Week 3

Monday Aug 11, 2008

1300 - 1400 hrs
Group Meeting at Software Engineering Meeting Room

2000 - 2300 hrs
Coding and discovered bugs in All Files tab.

Daily Total 4 hrs

Wednesday Aug 11, 2008

2000 - 2200 hrs
Coding.

Daily Total 2 hrs

Friday Aug 15, 2008

0300 - 0400 hrs
Presentation preparation.

1400 - 1500 hrs
Attended Milestone 4 presentation.

Daily Total: 2 hrs

Weekly Total: 8 hrs

Sprint Total: 17 hrs