

Project 3 – Documentation

April 8th, Tuesday Group Meeting (*Alex*):

- Discussed every part of the project, discussion, presentation, and code.
- Coded part of the constructor for the Resource Management class (*Jackson*).
- Discussed next steps: completing the Department and the Resource Management constructor.

April 9th, Wednesday (*Gabriel*):

- Worked on Department constructor; iterating through the given file, creating and recording items for the department.
- Small revision to Resource Management constructor.

April 10th, Thursday Group Meeting (*Alex*):

- Started documentation document (*Alex*).
- Went over each contribution and next steps for project completion; flowchart (*Obada*) and finishing Department constructor (*Gabriel*).

April 15th, Tuesday Group Meeting (*Alex*):

- Discussed Assignment 4.
- Went over next steps for final project.
 - o Department class constructor is overall completed.
 - o Focus is on the ResourceManagement constructor. Specifically, programming the ‘buying’ desired items according to the budget and moving items to the received and removed lists.

April 17th, Thursday Group Meeting (*Alex*):

- Worked on the rebalanceTree() method in AVLTree class for Assignment 4. (*Alex*)
- Tentatively finished the resourceManagement class constructor. (*Erick*)
- Discussed next steps such as the printSummary() method.

April 17th, Tuesday (*Alex*):

- Completed rebalanceTree() method in AVLTree class for Assignment 4. (*Alex*)
- Tested on UTSA FOX Server.

April 18th, Friday (*Alex*):

- Worked on resourceManagement() constructor for the project. (*Erick*)

April 22nd, Tuesday Group Meeting (*Alex*):

- Discussed resourceManagement() constructor, need to implement scholarships for each department to completely finish.
- Also, found an interesting discrepancy in our code and the example output, where the example reads from each department at the same time.
- Worked on printSummary() method for ResourceManagement class (*Obada*).
 - o Need to fix accessing departments in the empty department priority queue.
 - o Possible solutions, copy department PQ to be used for printSummary() method.
 - o Or modify the priority value of each department during initial traversal to be still accessed later, but not removed from the priority queue.
- Discussed next steps with finalizing code and project.

April 29th, Tuesday Group Meeting (*Alex*):

- Updated ResourceManagement constructor and printSummary() method (*Erick*, 27th).
- Ran updated code on Eclipse (*Alex*):
 - o Found error in lack of output, specifically the Gaming Laptop not being received in the CS Department.
 - o Found lambda function (now line 88) in updated printSummary() method that will not work on UTSA Fox Servers.
 - o Overall output is a one-to-one match to given example output, with the only differences being in the order of the Departments being read (Our code should be correct according to alphabetical order).
- Looked and discussed presentation template and next steps to finalize project. Very close!

April 30th, Wednesday (*Alex*) –

- Removed incompatible methods and successfully ran on UTSA Fox Servers (*Jackson*)

May 1st, Thursday Meeting (*Alex*) –

- Fixed lack of output (Gaming Laptop) and uploaded solution to repo (*Obada*)
- Tested solution on UTSA Fox Servers (*Alex*)
 - o Noticed that Eclipse has trouble finding test case files, easily solved by putting the parent folder as part of the file path (in our case, `./code/TestCase.../`) (*Alex*)
- Code is completed!
- Discussed next steps for the presentation flow chart.