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CS 2336.002

Project 3 Pseudocode

Sorting method

* Sort(Node Class Object, <area/pilot>, <asc/desc>)
* Try to parse the second parameter into a double, if an exception is thrown, then we know it’s a pilot. So, catch the exception and sort by pilot. If no exception is thrown, sort by pilot.
* Depending on asc or desc, sort respectively
* Merge sort, using node pointers build the list
* Head of linked list points to first node and tail to last node

Main:

* Will read in pilot\_routes.txt
  + Validate file
    - Make sure it exists
    - Can read from
* Read in pilot first name
  + Next
  + If next contains a comma, then it is a coordinate
  + If next does not contain a comma then, it is part of pilot name
* Read in coordinates separated by spaces
* Delimited by commas
* Last coord is same as the first
* Read to end of file
* Each file or pilot data is stored in payload class
* Then in a node, then added to the linked list

After pilot\_routes.txt data is imported, read commands.txt

* Validate file
  + Can read
  + Exists
* Sort <area/pilot> <asc or desc>
* Read by whitespace
* Validate input
* If input is not valid, ignore line for both files