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FLOWCHART

User Search:
Input Query

Select desired sort method

Is search term already stored locally (cached)?

No

yes

Retrieve a sample of tweets that matches the search query

Retrieve accumulated data from local file and put into an ArrayList, to be heapified based on heap elected

create a sorted tree, based on the sort that is selected. (using ArrayList) Methods of the interface Status will be used, such as getRetweetCount(),

Build a visualization of the tree/heap, one node at a time, based on the ArrayList of sorted tweets

Allow user to update tweets, which will add a new tweet onto the tree, in accordance with the sort selected