CS 2340.002

Sorting Visualizer Flowchart

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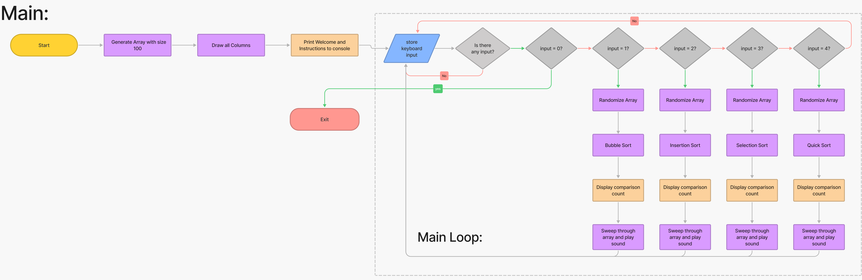
Sorting Visualizer Flowchart

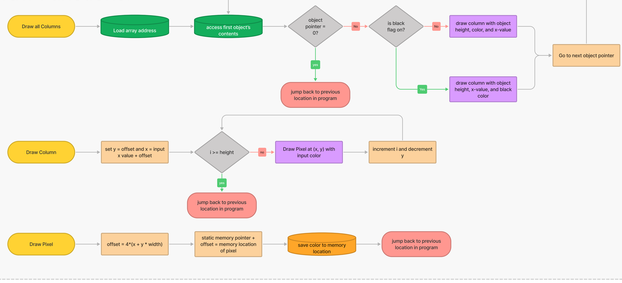
Overview:
The purpose of this program is to give a visual representation of a few popular sorting algorithms to use as a teaching resource for greater understanding of each algorithm. The program first generates a list of columns with randomized height that are displayed with colors corresponding to their height. The program then animates this list being sorted by the corresponding sorting algorithm depending on the user input. At the end of the sort, the program sweeps through each column and plays a sound with a pitch that is proportional to the height of the current column. The program ends when the user inputs a '0'.

Flowchart Key

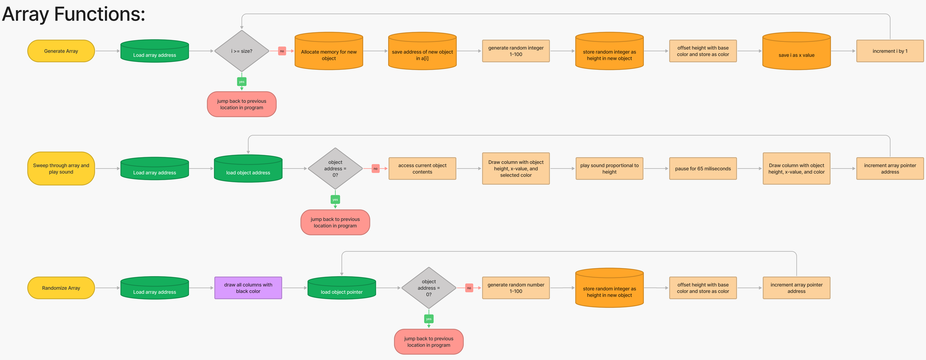
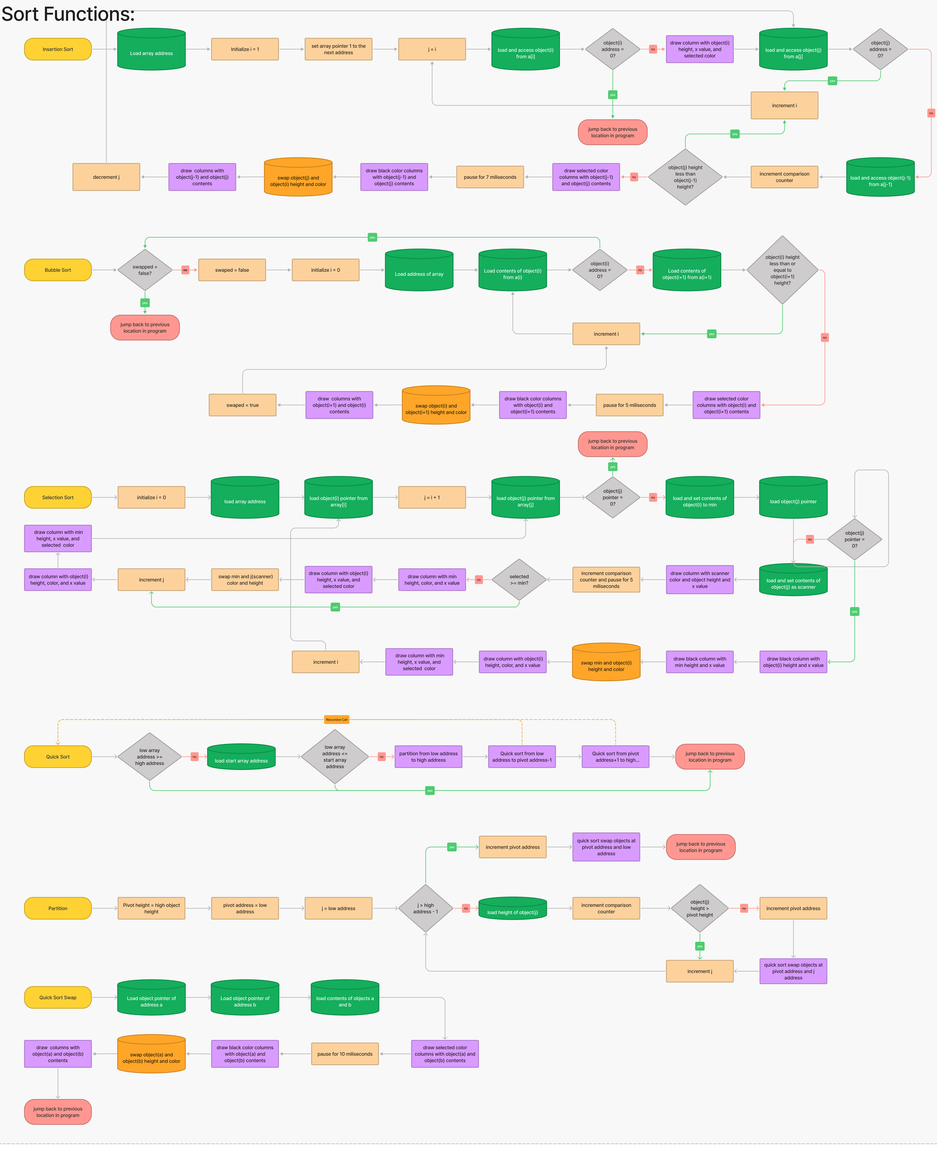
Main:



Draw Functions:



Array Functions:



Sort Functions: