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# 2-3 Assignment: Vector Sorting

Algorithms were used to generate the code that sorted a set of bids that were stored in a vector. Quick sort and selection sort are the two algorithms that are employed. They are employed to use the max, mid, and min values to sort the bids. The next value in the list is compared to the minimum value using the sort algorithm. If the next value is smaller than the current minimum value, it becomes the new minimum value, and their places in the list are switched. This process will be carried out repeatedly until every item on the list has been compared and arranged in ascending order. A rapid sort is the next sorting algorithm. The low and high partitions of the list are created by this algorithm. The components in the partitions are compared using a selected pivot value. The pivot value in this program is determined by using the middle member in the collection. The element stays to the left of the pivot value if the element is less than the pivot value. The element is moved to the right side of the pivot value if it is greater than the pivot value. Recursively sorting through the items to the left of the pivot value and then the items to the right of the pivot value until the sort is finished and every item is in ascending order is what happens when the rapid sort method is called.

I discovered a few problems with this project. I had to reacquaint myself with where my files were located and how to download them after finishing, in addition to uploading the contents into the new file. I didn't know which Apporto App application to utilize. I added some of my own comments to clarify the purpose of each line of code I added, and I utilized the pre-existing comments as a guide.