Visual representation of sorting/searching algorithms

Mikey Hainey

My program will include sorting algorithms such as Selection sort, Bubble sort, insertion sort, Merge sort, and Quick sort. The program will also include search algorithms such as linear search and binary search. The program will ask the user to input an array of integers, then will ask the user which sorting algorithm they would like to use; after the array is sorted, it will ask if the user wants to search for an integer in the array using either Linear or Binary search. Then, the program will ask the user if they will calculate the array's minimum and maximum values. After that, the program will ask the user if they would like to use the program again.

Decision tree for the Sort/Search Algorithm Program(Figure 1.1)