Data Structures and Algorithms 120: Inventory Assignment Report

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1 Known defects

The application allows the user to build a binary search tree regardless of whether or not the array has been sorted due to the invocation of the "Save data to file" function. Doing so after the data is output to a file will cause a degenerate tree to be built, which is extremely inefficient. I chose not to manually prevent this to allow a live comparison of the two scenarios, demonstrating the importance of using a randomised input array.

2 UML class diagram