

Project 10 Name: Algorithm Visualization

Group 10 Names: Joshua Swaida, Jason Tralongo, Aidan Shepston, Harleigh Kyle Chua, Bach Luu

Group 10 Manager: Yona Voss-Andreae

Assignment: Software Metrics Individual Submission

- Jason
 - Integrate flask backend with vue to pull algorithms
 - Program array algorithms (Bubble sort, Quick Sort, Merge Sort, Selection Sort, Insertion Sort, Binary Search)
 - Program graph algorithms (BFS,DFS)

- Internal Logical File (ILF): User-identifiable group of related data maintained within the Application.
 - Search algorithm data
 - Sort algorithm data
 - 14

- External Interface File (EIF): User-identifiable group of related data referenced by the application but maintained within another application.
 - Zero

- External Input (EI): Unique elementary process that processes data coming from outside the application boundary.
 - Saving user-created algorithms to the database
 - 3

- External Output (EO): Unique elementary process that sends data outside the application boundary. Calculations, derivation of data, or maintenance also takes place.
 - Zero

- External Inquiry (EQ): Unique elementary process that sends data outside the application boundary. Calculations, derivation of data, or maintenance do not take place.
 - Zero

Total: 17