

Project 10 Name: Algorithm Visualization

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Assignment: Software Metrics Individual Submission

Joshua Swaida

My Tasks:

- Navigation Bar (container for run button, drop down, and toggle)
 - Implement run button
 - Implement Algorithm Drop Down
 - Array/Graph Toggle Button
- Internal Logical File (ILF): User-identifiable group of related data maintained within the Application.
 - Algorithm Dropdown (user clicks dropdown and clicks algorithm from list...algorithms are stored in internal database)
 - $7 \times 1 = 7$
- 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.
 - Run Button (user clicks button)
 - Toggle Button (user clicks button)
 - $3 \times 2 = 6$
- 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: 13