

Project 10 Name: Algorithm Visualization

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Assignment: Software Metrics Individual Submission

Aidan Shepston:

- Implement node creation (right click)
- Implement edge creation (dragging)
- Create graph view (UI for when in graph visualization mode)

Function Point:

- Internal Logical File (ILF): User-identifiable group of related data maintained within Application.
 - **Graph Data:** Internal storage of graph nodes and edges.
 - This is maintained and must be used by the part of the system that builds and creates the graph view
 - **Count: 1**
 - **Complexity: Average**
 - **Weighting Factor (Average): 10**
- 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.
 - **User Input for Array/Graph Initialization:** Users provide array or graph data manually or via file upload.
 - This is taking input from the user, which is outside the application boundary, and this data is again necessary to build the graph for visualization
 - **Count: 1**
 - **Complexity: Average**
 - **Weighting Factor (Average): 4**

- 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: 14