SE04 Advanced Software Engineering
Visualizer for Sorting Algorithms
—

Team GAIJINS
s1302012 JEEVAN BABU Bala Abinav
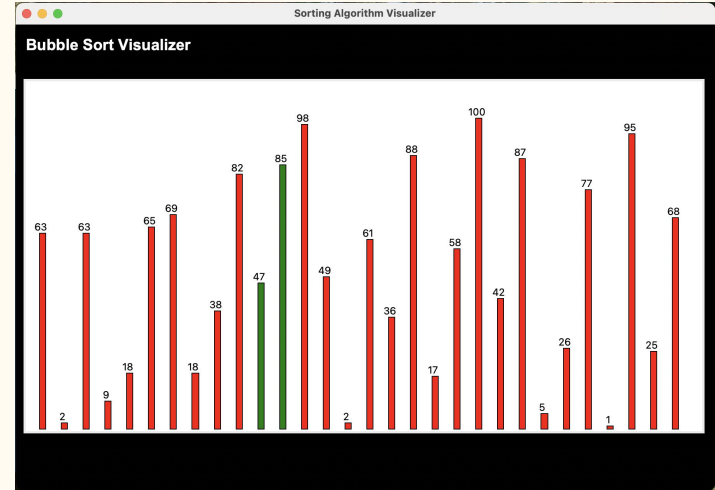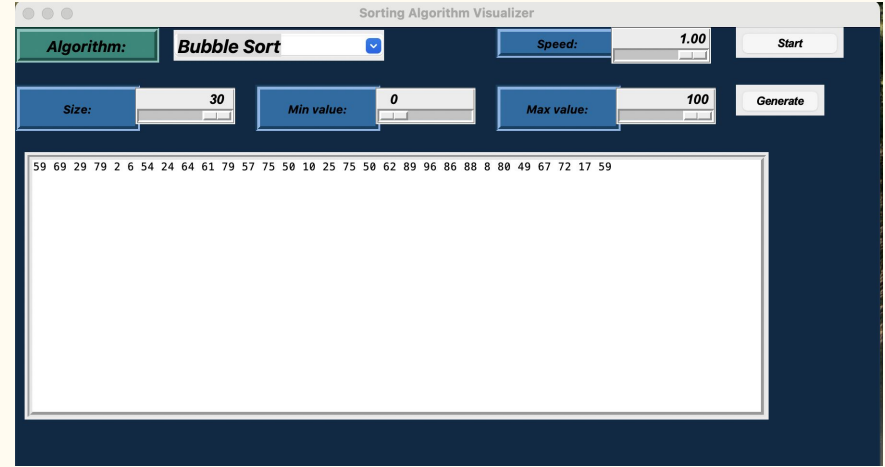s1302011 Tran Pham Lam Khanh

Platform

- Python

- Tkinter

The Product

Key Features

1. Interface to input Array

2. Interface to generate random Array

3. Generated Array is Editable

4. Multiple Algorithms available for visualization. Multiple visualization graphs can be open simultaneously

5. They are available as executables.

Demo

Key Learnings

- Short development cycles help in having less confusion among team members.
- More communication is needed to follow the progress of the project.
- Sometimes it may be very hard to follow strict deadlines, but it is important to recognize how to recover from it and reschedule.

Contributions

Below is the contribution of each team member in hours

Person	Planning	Design	Coding	Testing	LOC	Efficiency
Abinav	5	2	11	2	321	16.05
Khanh	4	3	10	2	221	11.63
Total	10	4	20	4	542	27.68

Future Improvements

- Currently, there is no way to distribute the executable. It might be worth developing a web interface to distribute the executable to improve the availability of the program.

- The executable is flagged as untrusted and potentially malware by windows defender. This is problem that needs to be addressed.

Thank You For Listening