

Release Plan

Sorting Visualizer

Version 1.0, 6/26/20

//TODO: Team Name

High Level Goals:

- Be able to visualize the sorting of multiple different algorithms
- Have explanations on every single sorting algorithm
- Have a debugging window that displays the sorting algorithm code running in real time as the animation is running
- Explore some more niche algorithms: bogosort, parallel sorting, etc.

User Stories for Release:

Sprint 1:

(12 Points) “As a user, I want to have functional GUI”

(5p) “As a user, I want to see datasets/arrays visualized”

(1p) “As a user I want to create different datasets with various constraints”

Sprint 2:

(12p) I can see smooth animations of how data points move during sorting algorithms

(8p) As an educator I can point to code that runs alongside animations

Sprint 3:

(12p) As an educator I want students to see multiple algorithms running side by side for comparison

(5p) As a programmer I would like to know the running time for best/worst/random datasets for each model

(3p) As a new computer science student I want to see data points change colors so that I can understand the process better

Product Backlog:

1. Personal Data set

Presentation Link:

https://docs.google.com/presentation/d/1RX6gbwtDm4LeSYTM85Fr3TH8RtzcAVh-0wx7q_q84J0/edit?usp=sharing