The Sorters

From Monday July 13 - July 20 2020

Goal:

The goal of this sprint is to improve the website by fixing known errors and making a new page to inform the user about the sorting algorithms that we implemented

User Story 1 (10 points):

- "As a student I want to learn more about the theory of each sorting algorithm because it would be beneficial to my education"
    - Task: Create a second page explaining how each sort works in more detail than just pseudocode with each sorting algorithm's runtime in BigO notation
    - Task: Include a counter for number of comparisons and array accesses for every sort
    - Task: Create a timer that tracks how long it takes to complete a sort.

User Story 2 (5 points):
- "As a user of the website, it should be clear to me what is happening at each step of the sort, so that the animations are more informative for me"
    - Task: create a legend that details what the color associated with each data point means
    - Task: Highlight relevant lines of pseudocode with the current animation shown on screen

User Story 3 (5 points):
- "As an educator it is important for me to be able to step backwards and forwards during a sort so that I can clarify what the effects of any step during a sort are to my students"
    - Task: Create a control bar on the website similar to a media control bar to control the sorting direction

Team Roles:

Shawn Lo: Product Owner, Team Member
Alex Lee: Team Member
Cameron Peeters: Scrum Master for Sprint 3
Atticus Jones: Team Member
Julian Shalaby: Team Member
Luciano Orellana: Team Member

Initial task assignment:

Shawn:
- Create a second page explaining how each sort works in more detail than just pseudocode

Alex:
- Create a control bar on the website similar to a media control bar to control the sorting direction

Cameron:
- Finish highlighting the active pseudocode line

Atticus:
- Include a counter for number of comparisons and array accesses for every sort

Julian:
- create a legend
- create a timer

Luciano:
- MIA

Scrum Board: https://trello.com/b/CG0GGrOm/sprint-3-scrum-board

Scrum Meeting Times:
- Tuesday 4pm
- Friday 6pm
- Sunday 5pm