APCS Final Project: Visual Sorting

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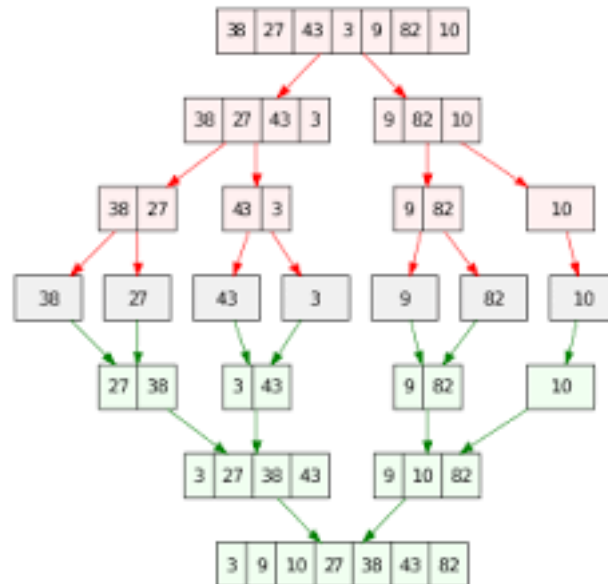
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Contents

1 Description

The goal is to have a program that visualizes sorting algorithms: for example, one of the animations I would create would go through this process for merge sort.

2 Current Functionalities

I have very minimal progress so far.

1. A `ListElement` class whose objects toggle between displaying `value` and displaying a bar whose length is related to `value`. (The displaying itself is not done yet)

2. A `Sorter` class which will eventually do the sorting.

3 Next Steps

1. Implement the sorting algorithms (not necessarily with tracking where the `ListElement` objects should be on the screen)

2. Implement random array generation

3. Work on making things appear on the screen

4 UML Diagram