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CPS 350 Assignment 1
Feburary 5, 2021
Professor Baldwin

1. (5pts) How did you test that your stack implementations were correct?

- I tested that my stack implementations were correct by running the reverse.java file and checking for any errors when I didn't get any errors I opened the in.dat file to see if the out.dat file reversed the original numbers that were provided in the in.dat file.

2. (5pts) Your array stack starts with a small array and doubles in size if they become full. For a .dat file with 1 million lines, how many times would this resizing occur? What about with 1 billion lines or 1 trillion lines (assuming the computer had enough memory)? Explain your answer.

- For a .dat file with 1 million lines the resizing would occur 17 times. With 1 billion lines the resizing would occur 27 times and for 1 trillion lines the resizing would occur 37 times. I know this because the number increase by 10 each time the number of lines.

3. (5pts) What did you enjoy about this assignment? What did you not enjoy? What could you have done better?

- What I didn't enjoy about this assignment is the way the directions were written, I think it would have been easier to understand what I suppose to do if they were written out in steps or maybe broken down a littl ebit more instead of written in paragraph form. What I enjoyed about this assignment is learning about Stack implementation as this was my first time doing this. I think I could have started on the assignment a little bit earlier than I did.

4. (5pts) What else, if anything, would you would like to include related to this homework?

- There is nothing else I would like to include related to this homework assignment.