

Clayton Glenn Lab 4 Design:

Templated ResizableArray<T> Class- In this lab, I created a Templated Class for an ResizableArray. During which I created many functions I think I will need throughout this class, but can create more functions if needed.

Eclipse Class - In this lab, I created Eclipse Objects to be stored in the resizable arrays. The eclipses can be used as data stores, but can also be used as flags.

IsChar() - Function in cpp file only used to check if character is not a space.

IsInteger() - Function in cpp file only used to check if string is an integer.

isDouble() - Function in cpp file only used to check if string is a double.

main() - Main function in program. I stepped through each specification, not for efficiency, but for readability and grade-ability. ○ At first, I broke each line of data down into comma delimited text and stored the lines in an Eclipse object of data. Then, I checked for Correct Columns, Integers, Doubles, and Catalog Numbers. After the error checks, I printed the data back out backward as specified.