Elisha Parslow

CSII Final Project

Individual Summary

5/18/16

For the Final Project in CSII, I worked with Justice Martinez and Elizabeth Young. We decided on making a program that inventories a pantry for the user. There would be eight categories that were separate text files that contained the items the user added to the pantry. They would be given the four options to add, remove, view and clear the inventory. The program seemed like a straightforward idea that could be implemented easily with our present computer science knowledge, however it turned out to be quite the challenge.

We learned an entirely new library; <Stdio.h> which was a library that allowed pointers to be assigned to text files. The library allowed for the options of creating text files to open and allowed the user to write into and clear contents. This library presented some challenges with writing into the files because some of the methods that it had were specifically meant for strings and others for chars. This became in issue when the user would input a variable string and then it had to be read into the files as chars. We had to use the unget method when reading in the chars to unget the first letter of every line because it was erasing it when read into the file and outputting things like “ilk” instead of “milk”.

Another challenge we faced was deleting content from the text files. We had to form a temporary vector specific to the file of the category selected that would hold the contents of the new text file with the removed item. We then had to reopen and clear the text file using the <Stdio.h> library and then dump the contents of the temporary vector into it. It took a lot of trial and error but it was a success. The only issue I would like to fix in the future is the display on the command screen with the endlines. They can get messy and add extra endlines because of the way the contents are read into the file.

My partners were great throughout the entire project. We spent ten plus hours working on the code for the project and we were all in attendance for the writing of it. Elizabeth wrote all of the code while I looked up information on cplusplus.com and Justice looked at forums. This type of teamwork enabled us to address the problems quickly and learn how to implement them. They were both also very helpful in creating the project proposal, requirements, finalized requirements and the PowerPoint.