# Groceries Program

This program will simulate the cash register at the grocery store. The input to this program will be a set of two files. One will be a listing that is your inventory, and the other is your transactions file. The output will be printed to the screen as well as a receipt file.

# The Inventory File

This file will be read in by your program so that it has a record of all the barcodes in stock. It will look like this:

00123202 Milk Half Gallon 2.13

22939177 Cheddar Cheese 3.14

1

Notice that each entry in the file begins with an 8 digit bar code, followed by a tab (‘\t’) and then a description, another tab, and finally, the price. This information should be read from the file and stored in three parallel arrays. The inventory file will be terminated by a 1.

# The Transaction File

This file will consist of line after line of barcodes only. Each transaction will be terminated by a 0, and the file will be terminated by a 1.

00123202

02234202

06078861

0

20156326

00123202

0

1

This file will be read and the barcodes processed as if read in by a scanner. The corresponding item description and price will be displayed on the screen and after each transaction, print the total to the screen as well. A copy of the receipt should be written to an output file called “receipt.out.” When the file has been completely processed, all files both input and output should be closed.

# Notes

The program needs to display an error message when a barcode is not found.

The program must check for the successful opening of all files it uses.

The program must be well-commented.

The program must be printed out and turned in with this paper attached. (OTHER SIDE UP)

Groceries Program Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Criteria | Points Possible | Points Earned |
| Reads input files correctly | 15 |  |
| Error Checks for proper opening of files | 10 |  |
| Error checks for bad input | 10 |  |
| Properly Interprets barcodes | 15 |  |
| Displays Totals for each transaction | 10 |  |
| Ends program when transaction file is done | 10 |  |
| Writes to receipt file | 15 |  |
| Error checks writing to file | 10 |  |
| Commented | 5 |  |
| Late | -5 points per day late |  |
| Total: | 100 |  |