ITS24000

Spring 2023

Sections 001 and 011

Final Project – Due 5/2/2023

Topic: File Processing

100 Points

Point Breakdown:

* Submitting Original Work: 50 Points
* Program Compiles Without Errors: 20 Points
* Good code design, alignment, spacing etc.: 5 Points
* Program Utilizes the following C Concepts: 25
  + Structured I/O
  + Decisions (if, if-else, switch)
  + Repetition (for, while, do-while)
  + Functions
  + File processing
  + Arrays
  + Pointers / Strings
  + Structs

ONLY SUBMIT A .c or .txt FILE THAT CONTAINS YOUR C SOURCE CODE AND ANY INPUT FILES YOUR CODE USES. NO OTHER FILES WILL BE ACCEPTED. ALL LABS MUST BE DONE IN THE C PROGRAMMING LANGUAGE.

Include the standard comment block at the top of the file to identify yourself and which lab this is

Objectives:

* Finalize your store program to include all of the C programming concepts used the course as identified above. You can accomplish this mostly by developing a good struct for your orders that includes an array of selections, a global string array for the names of your menu items, reading in your item current prices to an array from a data file and printing some aspect of the order processed to an output file. Modify your functions to use the struct and/or arrays instead of multiple variables / parameters.

Your named constant, programmer-defined identifiers, function prototypes and headers, etc. should be meaningful and follow good programming practices.