CS2308 PA#1, Spr 2019 Name: Michael Hacker

1. Compilation 20

* 20 Compiles --Your program must compile to be graded further.

2. Correctness 40

* 5 TC1 1 2 3 4 5 6 7 8 0 E (one of everything, one order only)
* 5 TC2 5 5 5 5 5 5 5 5 5 5 5 5 0 E (12 Fruit Baskets, one order only)
* 5 TC3 2 3 4 4 3 4 0 E (item ordered multiple times, one order only)
* 15 TC4 three orders, tests total and max item at end of day
* 5 TC5 input validation: -1 and 9 for order item numbers
* 5 Nicely formatted output (data lines up in columns, two decimal places) -2 for inconsistent decimal place

-10 for not following specified program workflow (show menu first, 0 to end order instead of ‘T’, etc.)

-5 for no final day stats

-5 for no ‘get most ordered’ implementation

3. Constraints 25

* 3 must use array of MenuItem struct for the menu item data -3 for no array of struct
* 4 initializes the array using data in assignment (not user input) -4 for no array of struct
* 6 at least the 3 functions as described in the specs (in addition to main)  
  (i.e. displayMenu, takeAnOrder, getMostOftenOrdered) -2 for no ‘get most ordered’ implementation
* 4 uses named constant for array size and tax rate -2 for no array size named constant
* 4 Does not hard code menu values in other parts of program -4 for hardcoded menu values everywhere in the program
* 4 NO GLOBAL variables (global struct definition and const is good)

4. Style/readability: 15

* 4 Header with info AND description
* 4 Has complete function definition comments -4 for no function definition comments
* 3 95% of lines are not longer than 80 characters -3 for more than 15 lines longer than 80 chars
* 4 Has proper indentation

Penalties, if any: -44