

1) CS 161, Hyunjae Kim, Assignment4 (assign4_restaurant.cpp), 05/23/2020.

2) Name of TA: Jonathan Dressel

3) Demo date and time: 05/21/2020, 10:45~11:00.

4) Weaknesses, Errors, or Limitation of my Original Assignment

1. Memory Leak

A. Weakness: My original program had memory leak. This means that my program didn't free the dynamic array after allocating dynamic array because the program iterated infinitely and the only way to exit the program is using Ctrl + c command.

B. Solution/Improvement: I added some codes that give a user a choice that can exit the program. Therefore, memory leak was solved.

2. Split the bill

A. Weakness: In some cases, my program doesn't print out 2 decimals. For instance, total amount is \$55.25, and each amount that each diner has to pay is \$18.4167.

B. Solution/Improvement: I changed the part of my program that prints out the split of the bill. (Actually, my TA (Jonathan Dressel) taught this. But I didn't use that method when I submit my original assignment.) I used C-style program, and it is 'printf("Each: \$%.2f\n", num)'.

3. Programming Style

A. Weakness: Some of lines of my program exceeded 80 characters.

B. Solution/Improvement: I made the line that exceeds 80 characters into 2 lines.