# Assignment 2

**Due** Oct 15, 2021 by 11:59pm  **Points** 10  **Submitting** a file upload  **File Types** zip, cpp, and h
**Available** Oct 4, 2021 at 12pm - Oct 29, 2021 at 11:59pm

This assignment was locked Oct 29, 2021 at 11:59pm.

Please submit a single .zip file, named [NetID]_asg2.zip, where [NetID] is your NetID (the username you use to log in to Canvas). Inside the zip, there should be five files: main.cpp, Drink.h, Drink.cpp, Customer.h, Customer.cpp.

assignment_2.pdf ↓

Drink.h ↓

Customer.h ↓

## Program Summary

As a UW-Madison student and die-hard milk-chugging teen, you've taken it upon yourself to open a new dairy bar in downtown Madison. To help out, you've decided to program an automated bartending assistant. For this assignment, you'll create a program that allows a customer to order drinks and pay their tab.
You'll also get some practice creating and using classes in C++. We will again provide header files with a basic code skeleton for each class. However, you will need to fill in the data and function headers based on the instructions in the sections below, and write function bodies in corresponding .cpp files. You will also add code to check for invalid input types in your menus.

## Rubric

| Item | Points |
|---|---|
| Program builds and runs without compile errors | 2 |
| Program has a main menu, with all 3 options specified | 1 |
| Menu for ordering a drink has the correct list, and requests a serving style | 1 |
| The "pay tab" option correctly prints the receipt | 1 |
| Drink class has all required functions and data | 1 |
| Customer class has all required functions and data | 1 |
| Calculation of Drink prices are implemented correctly | 1 |
| Calculation of the Customer's total tab price is correct | 1 |
| After closing a tab, program correctly resets customer to an empty tab | 0.5 |
| Program re-prompts for valid input after receiving an invalid type | 0.5 |
| Total | 10 |

‹ Previous     Next ›

---

## Submission

✓ **Submitted!**

Oct 15, 2021 at 10:53pm
Submission Details
Download wzhi3_asg2.zip

Grade: 8 (10 pts possible)

Graded Anonymously: no

Comments:
Missing #include <climits> in main.cpp. I saw that the mac compiler automatically adds this for you so I will give you the benefit of the doubt that it compiled on your computer. Next time you should make sure that your code compilers on the csl :) -0.5: does not handle invalid char input -0.5: does not clear tab after settling -1: total tab not calculated correctly - tip is off by factor of 100
BETHANY SCHMELING, Oct 31, 2021 at 10:02pm