

# February 23, 2023 (Week 5)

## C++ part 4

### Objectives:

- Round out C++ knowledge with a focus on class definitions

### Outline:

- C++
  - Header files
  - Classes
  - Maps
  - Default argument values

### Homework - due 8am February 28, 2023:

1. Write a C++ program that creates a grocery shopping list
  - Define a class that holds item price per unit and quantity, a constructor that prompts user to input price per unit and quantity and a method that provides total price for item
  - Prompt user to input number of different items (N) and create a map using item names as the key for instances of your class
  - Use a loop to prompt user to provide item names and instantiate N items
  - Print out full list of items, quantities, unit price and total price