

# Midterm Two C++

EC602 Design by Software

Fall 2020

## Exam Outline

You are asked to solve two problems in C++: vistance (a function) and SumParser (a class).

These are both described in more detail in the included program `midtermtwo_template.cpp`

Also included in the zip file provided is an example input / output sequence for a working program program. These are called `example_input.txt` and `example_output.txt`, and are generated using

```
mt2_solution <example_input.txt >example_output.txt
```

““

Note that the return code for the provided main will be 4.

You must submit one C++ program with both the function and the class defined. Your `main()` function should also be functional, although I will not grade this part.

## Grading

Each problem is worth 50% of the test and your solutions will be evaluated based on

- compilability (your programs must compile)
- correctness
- program style and general readability
- algorithm and data structure choices

Correctness is the most important criterion.

## Exam Rules

You must complete the exam without assistance from another human being. You may access your computers, compilers, and the following websites only:

- [cppreference.com](http://cppreference.com)
- [cplusplus.com](http://cplusplus.com)
- [curl.bu.edu](http://curl.bu.edu)

You may use a search engine, but only to take you to one of the three sites listed above.