**CS 3140 The C++ Language -**

**Midterm Assignment**

Spring 2023 Semester

Date of Assignment: 3/1/2023

Deadline: 3/8/2023 by Midnight

Total points: 150 points

Instructor: Patrik Boloz, M.S.

Complete these 5 assignments. Each assignment is worth 30 points. Create and submit only ONE .cpp file (you can omit the executable if Brightspace will give you any issues). Please include screenshots of your code and output in this document and submit it along with your C++ code. For this assignment, create these 5 functions and run them all in the main():

1) Write a function that will check if a user's given positive number is a multiple of 3 or a multiple of 7. (output will be either 1/true or 0/false)

2) Write a function that will check the largest number among four user given doubles.

3) Write a function that will reverse a user given string.

4) By using a for loop and conditions (if-else, switch, ?) create a function that will take in a user's input and will check if the user's chosen number is a prime number

5) Write a function that will find the largest word in a given user's string

Make sure to create a main() function where you will use all of your functions and test them out.