**CMSC203 Assignment 1 Design**

Class: CMSC203 CRN20984

 Program: Assignment # 1 - Design

Instructor: Ahmed Tarek

 Summary of Description: (Color guessing game)

 Due Date: 9/6/2023

 Integrity Pledge: I pledge that I have completed the programming assignment independently.

 I have not copied the code from a student or any source.

Student’s Name: Mohammad Danyal.

**Part1: Pseudo Code:** Here is a pseudo code for Assignment 1 program:

1. **Start**
2. **Ask the user for their name.**
3. **Ask the user to describe themselves.**
4. **Ask the user the due date.**
5. **Initialize CORRECT\_GUESS to 0.**
6. **Initialize USER\_ATTEMPTS to 0.**
7. **Initialize COLOR\_NAME to one of these: Red, Green, Blue, Orange, Yellow, Purple or Indigo.**
8. **Display “I am thinking of a color.”**
9. **Display “Is it Red, Green, Blue, Orange, Yellow, Purple or Indigo.”**
10. **Ask the user to enter their guess.**
11. **If their guess == to COLOR\_NAME**
12. **Increment CORRECT\_GUESS by 1.**
13. **Increment USER\_ATTEMPTS by 1.**
14. **Else**
15. **Increment USER\_ATTEMPTS by 1.**
16. **Repeat this 11 times.**
17. **Display “Game Over.”**
18. **Display CORRECT\_GUESS out of 11.**
19. **Display the user’s name.**
20. **Display the user’s information.**
21. **Display the due date.**
22. **End**