**CMSC203 Assignment 2 Implementation (Documentation)**

Class: CMSC203 CRN ***46519***

 Program: Assignment #2

Instructor: Farnaz Eivazi

 Summary of Description: create a program which makes user guess the value of a randomly generated number and slowly narrows until the correct answer is guessed

 Due Date: 6/30/2022

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

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

**Part1: Pseudo Code:** Here is a pseudo code for Assignment 2 program:

**Part2: Comprehensive Test Plan**

A good test plan should be comprehensive. This means you should have a few test cases that test when the input is in and out of range, division by 0, incorrect Data type, etc. (Provide valid and invalid input)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cases | Input | Expected Output | Actual Output | Did Test Pass? |
| Case 1 | 50  75  60  70  73  74  “no” |  |  | Y |
| Case 2 |  |  |  |  |
| Case 3 |  |  |  |  |
| Case 4 |  |  |  |  |

**Part3: Screenshots related to the Test Plan:**

**Case 1**

**Text

Description automatically generated**

**Case 2**

**Case 3**

**Case 4**

**Lessons learned:**

What have you learned? Application of the random function and a more complex application of the use of multiple classes and using an object.

What did you struggle with?

Figuring how to build the program to properly loop back from the start.

Implementing methods in a way that could make sense.

What would you do differently on your next project?

Plan further ahead of time

What parts of this assignment were you successful with, and what parts (if any) were you not successful with?

I think I was successful with getting the program to the point where it executes what is needed but struggled in simplifying or making the code easier to manage

**Check List:**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** |  | **Y/N** | **Comments** |
|  | **Assignment files:** |  |  |
|  | * FirstInitialLastName\_ Assignment#\_Moss.zip | **Yes or No** |  |
|  | * FirstInitialLastName\_Assignment#.docx/.pdf | **Yes or No** |  |
|  | * Source java files | **Yes or No** |  |
|  | **Program compiles** | **Yes or No** |  |
|  | **Program runs with desired outputs related to a Test Plan** | **Yes or No** |  |
|  | **Documentation file:** |  |  |
|  | * Comprehensive Test Plan | **Yes or No** |  |
|  | * Screenshots related to the Test Plan | **Yes or No** |  |
|  | * Screenshots of your GitHub account with submitted Assignment# (if required) | **Yes or No or N/A** |  |
|  | * UML Diagram (if required) | **Yes or No or N/A** |  |
|  | * Algorithms/Pseudocode (if required) | **Yes or No or N/A** |  |
|  | * Flowchart (if required) | **Yes or No or N/A** |  |
|  | * Lessons Learned | **Yes or No** |  |
|  | * Checklist is completed and included in the Documentation | **Yes or No** |  |