**CMSC 203**

**Assignment 4**

Class: CMSC203 CRN ***46519***

 Program: Assignment 3 Design

Instructor: Farnaz Eivazi

 Summary of Description: Create three Classes and a Junit which will be utilized in a program which allows the managing of properties

 Due Date: 7/32/2022

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

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

Student: Vhuhwavho Todani

**Part 1: Pseudo Code:**

**Part 2:Screenshots**

**Part 3: JUNIT test cases**

**Graphical user interface, text

Description automatically generated**

**A screenshot of a computer

Description automatically generated**

**Graphical user interface, text

Description automatically generated**

**Part 4: GITHUB**

**Part 5: Lessons Learned**

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| --- |
|  |
| **What have you learned? What did you struggle with?**  I have learned again how to get the Junit to function properly as initially the build path was incorrect which caused it to not function completely. Understanding the instructions of the program was a Struggle as it was hard to properly approach the encrypt and decrypt methods initially |
| **What would you do differently on your next project? What parts of the project were** |
| **you successful with, and what parts (if any) were you not successful with?**  The Ceaser decrypt and encrypt methods were easy to understand but the Bellaso took a long time to create an approach as trying to create an array was not effective. The main difference for following projects to practice would be starting or at least beginning to plan out the program sooner. |

Assignment 4 Check List (include Yes/No or N/A for each item)

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| --- | --- | --- | --- |
| **#** |  | **Y/N or N/A** | **Comments** |
|  | **Assignment files:** |  |  |
|  | * FirstInitialLastName\_ Assignment 4\_Moss.zip |  |  |
|  | * FirstInitialLastName\_Assignment4\_Complete.zip |  |  |
|  | **Program compiles** |  |  |
|  | **Program runs with desired outputs related to a Test Plan** |  |  |
|  | **Documentation file:** |  |  |
|  | * Comprehensive Test Plan |  |  |
|  | * Screenshots for each Junit Test |  |  |
|  | * Screenshots for each Test case listed in the Test Plan |  |  |
|  | * Screenshots of your GitHub account with submitted Assignment# (if required) |  |  |
|  | * UML Diagram |  |  |
|  | * Algorithms/Pseudocode |  |  |
|  | * Flowchart (if required) |  |  |
|  | * Lessons Learned |  |  |
|  | * Checklist is completed and included in the Documentation |  |  |