**CMSC203 Assignment 2 Implementation (Documentation)**

Class: CMSC203 CRN 30340

 Program: Assignment 2

Instructor: Professor Khandan

Summary of Description: The Patient class represents an individual who is a patient at a medical facility. It stores various attributes related to the patient's personal information and emergency contact details.

The Procedure class represents a medical procedure that has been performed on a patient. It stores information about the procedure, such as its name, date, practitioner, and associated charges.

The patient Driver class uses the patient and Procedure class and displays all the attributes.

 Due Date: 2/27/2024

 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: UML DiagramA screenshot of a computer program

Description automatically generated**

A computer screen shot of a code

Description automatically generated

**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 |  |  |  |  |
| Case 2 |  |  |  |  |
| Case 3 |  |  |  |  |
| Case 4 |  |  |  |  |

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

**Case 1**

**Case 2**

**Case 3**

**Case 4**

**Lessons Learned** <Provide answers to the questions listed above>**:**

Write about your Learning Experience, highlighting your lessons learned and learning experience from working on this project.

What have you learned?

I learned how to override the toString method.

What did you struggle with?

I struggled with how to use the builder for a few.

What would you do differently on your next project?

I would finish it way sooner.

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

I was successful with all parts of the assignment.

Provide any additional resources/links/videos you used to while working on this assignment/project.

**Check List:** <Provide answers to the column Y/N or N/A >**:**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** |  | **Y/N** | **Comments** |
|  | **Assignment files:** |  |  |
|  | * FirstInitialLastName\_ Assignment#\_Moss.zip | **Y** |  |
|  | * FirstInitialLastName\_Assignment#.docx/.pdf | **Y** |  |
|  | * Source java files | **Y** |  |
|  | **Program compiles** | **Y** |  |
|  | **Program runs with desired outputs related to a Test Plan** | **Y** |  |
|  | **Documentation file:** |  |  |
|  | * Comprehensive Test Plan | **Y** |  |
|  | * Screenshots related to the Test Plan |  |  |
|  | * Screenshots of your GitHub account with submitted Assignment# (if required) | **Y** |  |
|  | * UML Diagram (if required) | **Y** |  |
|  | * Flowchart (if required) |  |  |
|  | * Lessons Learned | **Y** |  |
|  | * Checklist is completed and included in the Documentation | Y |  |