**CMSC203 Assignment 2 Implementation (Documentation)**

Class: CMSC203 CRN 21575

 Program: Assignment #2

Instructor: Dr. Grinberg

 Summary of Description: has to display the patient information and procedure.

 Due Date: 9/25/2023

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

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

Alexia Majano

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

**// patient class**

**Declarations**

**STRING first, middle and last name**

**DOUBLE charges**

**STRING address, city, state**

**STRING procedure**

**STRING mc**

**INT charge1,chare2, charge3**

**DISPLAY “patient info”**

**DISPLAY “first, middle and last name”**

**INPUT first middle and last name**

**DISPLAY “ Street Address, City, State, and ZIP code”**

**INPUT address**

**DISPLAY “Name and phone number emergency contact”**

**INPUT emergency contact**

**// procedure class**

**DISPLAY The name of the patients procedure**

**INPUT procedure name**

**DISPLAY Date of the procedure**

**INPUT date**

**DISPLAY the name of the doctor**

**INPUT doctors name**

**DISPLAY The charge of the procedure**

**INPUT the cost**

**//patientDriverApp Class**

**DISPLAY patient class**

**DISPLAY procedure class**

**Totalcharge = charge1 + charge + charge3**

**DISPLAY total charge of three procedures**

**DISPLAY student name**

**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 | toast b form  321 road st  Village MD  12345 | toast b form  321 road st  Village MD  12345 | toast b form  321 road st  Village MD  12345  Procedure  The amount charge  The cost | yes |
| Case 2 | Jenny  Elani  Santori  Address | Jenny  Elani  Santori  Address  Procedure  cost | Jenny  Elani  Santori  Address  Procedure cost  Total charge  Student name | yes |
| Case 3 | Robin  Ellen  Park  address | Robin  Ellen  Park  Address  Procedure  Cost | Robin  Ellen  Park  Address  Procedure cost  Cost  Students name | yes |

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

**Case 1**

**A screenshot of a medical form

Description automatically generated**

**Case 2**

**A screenshot of a computer

Description automatically generated**

**Case 3**

**A screenshot of a computer

Description automatically generated**

**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 have learned how to use accessors and mutators

I also learned how to build a toString

What did you struggle with?

I struggled with the decimal format I wasn’t able to get the comma in to the total charge

What would you do differently on your next project?

I would do a lot more research into the keywords being used in the assignment directions.

I would also try to understand the assignment and ask any questions if I need it

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

I was successful with building the toString I was not successful in clearly organizing the input aspect of the code because I struggled with that as well.

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

<https://www.youtube.com/watch?v=oDVfoc3-TBk>

<https://www.c-sharpcorner.com/UploadFile/3614a6/accessors-and-mutators-in-java/#:~:text=In%20Java%20accessors%20are%20used,are%20also%20known%20as%20setters>.

<https://www.prepbytes.com/blog/java/parametrized-constructor-in-java/#:~:text=As%20the%20name%20suggests%20parametrized,arguments%20while%20declaring%20the%20object>.

<https://www.google.com/search?sca_esv=568226998&rlz=1C1VDKB_enUS1073US1073&sxsrf=AM9HkKmUTPzDQ03DNq0krbDfceaAjELxAA:1695660462664&q=how+to+add+commas+in+numbers+java&tbm=vid&source=lnms&sa=X&ved=2ahUKEwj9lqW8m8aBAxUetokEHdwcD_UQ0pQJegQIChAB&biw=1920&bih=923&dpr=1#fpstate=ive&vld=cid:6e482944,vid:tIq-lVoWDzc,st:0>

<https://www.educative.io/answers/how-to-use-the-tostring-in-java>

**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 |  |  |
|  | **Program compiles** |  |  |
|  | **Program runs with desired outputs related to a Test Plan** |  |  |
|  | **Documentation file:** |  |  |
|  | * Comprehensive Test Plan | **Y** |  |
|  | * Screenshots related to the Test Plan | **Y** |  |
|  | * Screenshots of your GitHub account with submitted Assignment# (if required) | **Y** |  |
|  | * UML Diagram (if required) | **Y** |  |
|  | * Algorithms/Pseudocode (if required) | **Y** |  |
|  | * Flowchart (if required) | **Y** |  |
|  | * Lessons Learned | **Y** |  |
|  | * Checklist is completed and included in the Documentation | Y |  |
|  |  |  |  |

UML Diagram

A diagram of procedure

Description automatically generated