**CMSC203 Assignment 0**

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Class: CMSC203 CRN 30378

 Program: Assignment 0

Instructor: Khandan Vahabzadeh Monshi

 Summary of Description: (Give a brief description for each Program) A program that requires you to use functions to calculate the volume of a box and the volume of a Sphere.

 Due Date: 1/30/2023

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

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

**Complete the following five parts of Assignment 0. Name your file as FirstInitialLastName\_Assignment0.docx**

**Part1: Setup GitHub:** Provide the screen shots of your GitHub account with Assignment 0 file is uploaded on GitHub:

**Part 2 -Install JDK, Test java Application from Command Line**

Provide the screen shots from Step 1 and 2 here:

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

**Part 3 - Install Eclipse, Test Eclipse Java Application**

Provide the screen shots from Step 1 and 2 here:

Graphical user interface, text, application

Description automatically generated Graphical user interface, application

Description automatically generated

Graphical user interface

Description automatically generated

**Part 4 - Install, Setup, Test Junit Program.**

Provide the screen shots showing:

* 1. Eclipse with working JUnit Test example
  2. Project screenshot
  3. Running example screenshot

Graphical user interface, application

Description automatically generated

**Part 5 - Install, Setup, and Test JavaFX Application.**

Provide the screen shots showing:

1. JavaFX Project screenshot
2. Running example screenshot
3. Java Source Code File

Graphical user interface, text, application

Description automatically generated

**\*I followed the steps that were provided but it keeps giving me an error,**

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

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

What have you learned?

I learned how to use the Eclipse. I learned how to create a project and a class and how to write the program. For instance, I learned how to write the main function and how to write an output statement. I also learned how to use the Junit tests. In addition, I learned how to use GitHub and upload files on there.

What did you struggle with?

I struggled with the Step 5 JavaFX part. I followed the instructions that were given but it keeps giving me an error. Also, I struggled with step 4 a bit too because had trouble understanding the directions because they were confusing.

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 part 1 and part 3. I was able to make my GitHub account and upload files. Also, I was able to successfully install Eclipse and use it. I am becoming more familiar with using Eclipse and have learned how to do basic stuff such as making a project and writing the main function. I was not very successful with step 5 which was the JavaFX. I tried my best to complete this step and I followed all directions yet it still was not working.

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

**None.**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **#** |  | **Y/N** | **Comments** |
|  | **Assignment files:** |  |  |
|  | * FirstInitialLastName\_Assignment0.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: Screenshots of** |  |  |
|  | * Part1: Setup GitHub | **Yes or No** |  |
|  | * Part 2 -Install JDK, Test java Application from Command Line | **Yes or No** |  |
|  | * Part 3 - Install Eclipse, Test Eclipse Java Application | **Yes or No or N/A** |  |
|  | * Part 4 - Install, Setup, Test Junit Program | **Yes or No or N/A** |  |
|  | * Part 5 - Install, Setup, and Test JavaFX Application. | **Yes or No or N/A** |  |
|  | * Lessons Learned | **Yes or No** |  |
|  | * Checklist is completed and included in the Documentation | **Yes or No** |  |