**CMSC203 Assignment 0**

Class: CMSC203 CRN 34165

 Program: Assignment 0

Instructor: Grinberg

 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: 01/31/2022

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

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

**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**

**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, email

Description automatically generated**

**Graphical user interface, text, application, Word

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, text, application

Description automatically generated

Graphical user interface, text, 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 FileGraphical user interface, text

   Description automatically generated

**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?

That this class is going to be tough!

What did you struggle with?

The Junit section. I still have no idea what it is and what it does. But somehow, I did set it up.

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

I had already set up a github for a previous class and done a project with javaFX previously. So those were ok. The JDK assignment was good once I found a powerpoint that explained how to do it. The only trouble I had was with the Junit setup.

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

[**https://www.guru99.com/download-installation-junit.html**](https://www.guru99.com/download-installation-junit.html)

[**https://www.tutorialspoint.com/junit/junit\_plug\_with\_eclipse.htm#:~:text=Open%20eclipse%20%E2%86%92%20right%20click,Eclipse%20has%20inbuilt%20JUnit%20plugin**](https://www.tutorialspoint.com/junit/junit_plug_with_eclipse.htm#:~:text=Open%20eclipse%20%E2%86%92%20right%20click,Eclipse%20has%20inbuilt%20JUnit%20plugin)**.**

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

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