**CMSC203 Assignment 0**

Class: CMSC203 CRN 202330

 Program: Assignment 0

Instructor: Dr.Grinberg

 Summary of Description: Setup GitHub, Install and setup JDK, install and setup Eclipse and JavaFX

 Due Date: 01/30/2023

 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:**

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

**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, chat or text message

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

A screenshot of a computer

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

A screenshot of a computer

Description automatically generated

**A screenshot of a computer

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

Description automatically generated

Graphical user interface

Description automatically generated

A screenshot of a computer

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?

I have learnt how to create projects using Eclipse and how to run JavaFX and J Unit test. I also created a GitHub account that is used to store and upload my projects. I also was able to use terminator to show output. I learnt that programs on mac are super hard to navigate through.

What did you struggle with?

I struggled with setting up JavaFX, especially finding where properties were because macOS program is structured differently.

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

I was able to successfully download and get the desired result for all 5 parts but it took forever. I was not successful in opening a bash profile; I followed the instructions, but it didn’t work so I had to google search.

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

**https://stackoverflow.com/questions/30461201/how-do-i-edit-path-bash-profile-on-os-x**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **#** |  | **Y/N** | **Comments** |
|  | **Assignment files:** |  |  |
|  | * FirstInitialLastName\_Assignment0.docx/pdf | **Yes** | **Y** |
|  | * Source java files |  | **Y** |
|  | **Program compiles** | **YEs** | **Y** |
|  | **Program runs with desired outputs related to a Test Plan** | **Yes** | **Y** |
|  | **Documentation file: Screenshots of** |  | **Y** |
|  | * Part1: Setup GitHub | **Yes** | **Y** |
|  | * Part 2 -Install JDK, Test java Application from Command Line | **YEs** | **Y** |
|  | * Part 3 - Install Eclipse, Test Eclipse Java Application | **Yes** | **Y** |
|  | * Part 4 - Install, Setup, Test Junit Program | **Yes** | **Y** |
|  | * Part 5 - Install, Setup, and Test JavaFX Application. | **Yes** | **Y** |
|  | * Lessons Learned | **Yes** | **Y** |
|  | * Checklist is completed and included in the Documentation | **Yes** | Y |