**CMSC203 Assignment 0**

Class: CMSC203

 Program: Assignment 0

Instructor: Dr. Grinberg

 Summary of Description: This is the first project. The aim of this project is to setup our Java test environment. It includes running code and screen shots of test programs.

 Due Date: 06/07/2021

 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:

Graphical user interface, text, application, email, website

Description automatically generatedGraphical user interface, text, application, email, website

Description automatically generated

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

Provide the screen shots from Step 1 and 2 here:

**Text

Description automatically generatedA screenshot of a computer

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**(Please read: The first image is an image of the terminal and the second is the image of the text editor and the terminal.)**

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

Provide the screen shots from Step 1 and 2 here:

**Graphical user interface, text, application, email

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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, email

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**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

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Description automatically generated**

**Lessons Learned**

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

What have you learned?

I learned a few things. Java is much more robust and complex than Python and JavaScript. The initial setup of the SDK and learning the new commands wasn’t that bad, but I learned that the setup isn’t intuitive.

What did you struggle with?

I struggled setting up the unit test and I’ll continue practicing. Unit tests are used frequently in software development so it’s something I know that I’ll need.

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

I was successful with the installation, setup, and running the program.

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

**Check List:**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** |  | **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** |  |