**CMSC203 Assignment 0**

Class: CMSC203 CRN 47229

 Program: Assignment 0

Instructor: Dr. Grinberg

 Summary of Description: This assignment mainly contains for completing five parts, setup, install and test GitHub, JDK, Eclipse, and JavaFX, etc.

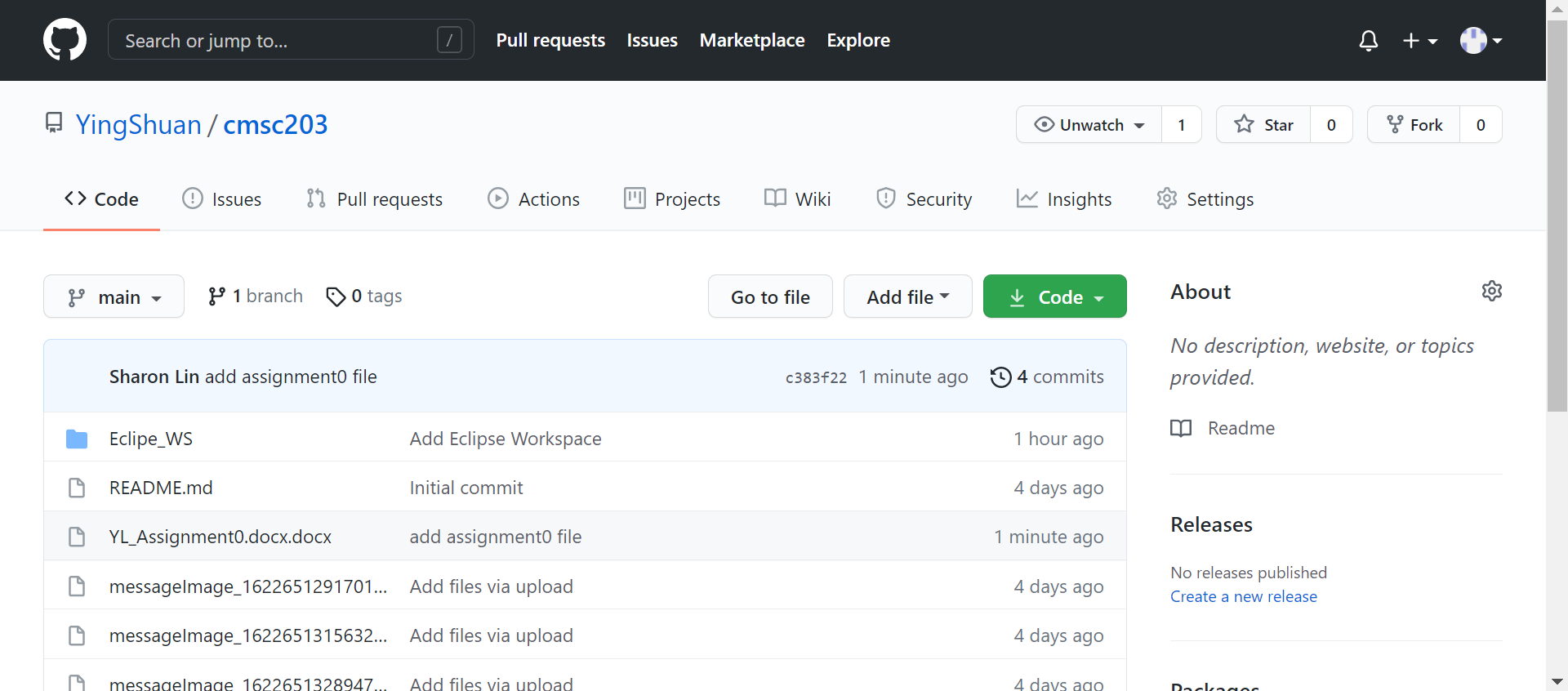
 Due Date: 06/07/2021

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

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

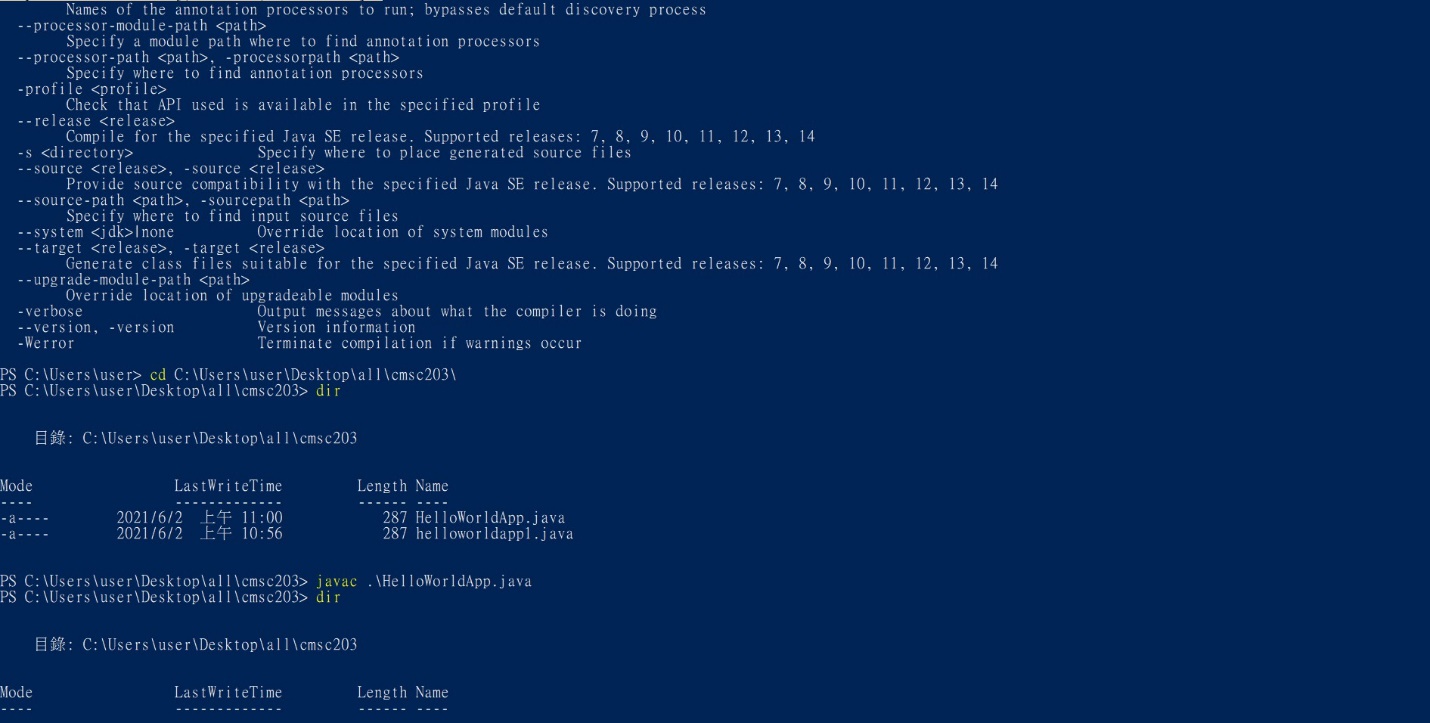
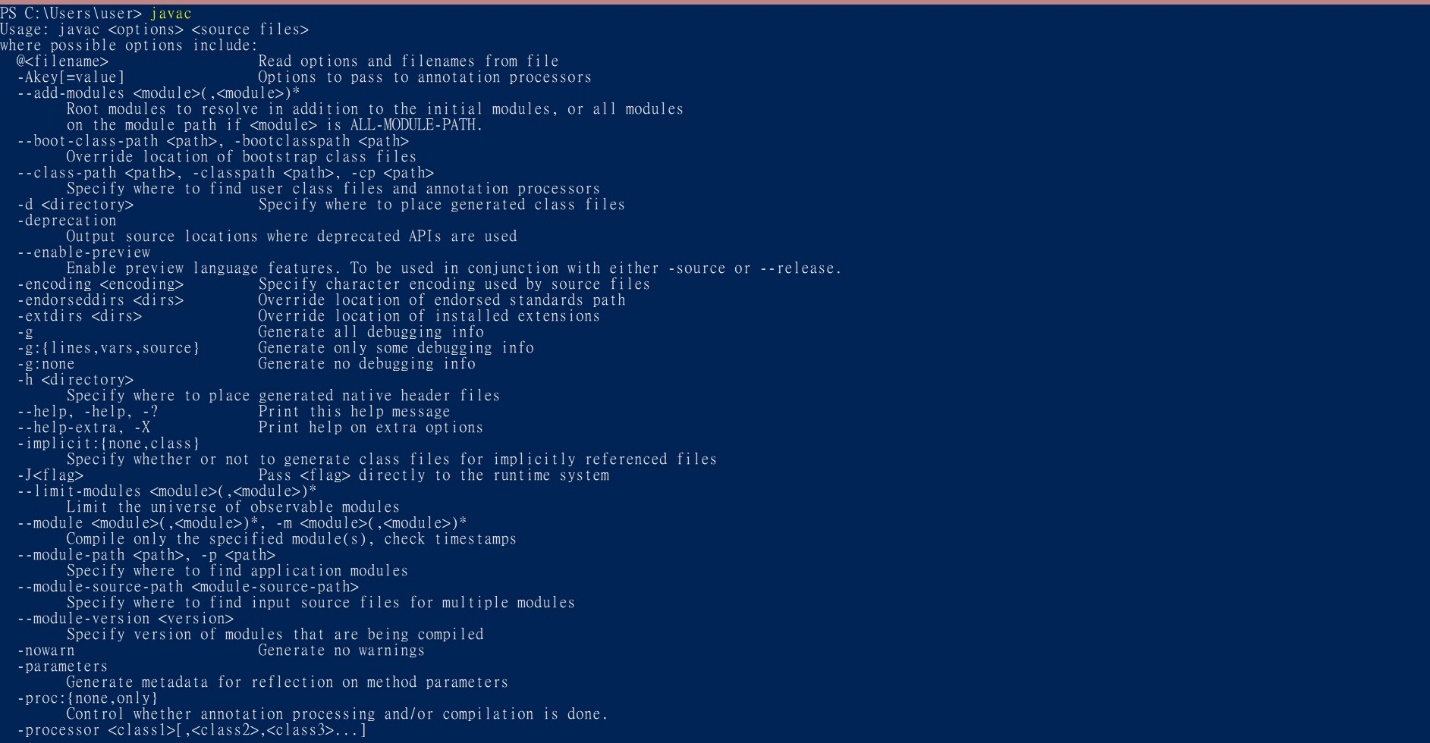
**Complete the following five parts of Assignment 0:**

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

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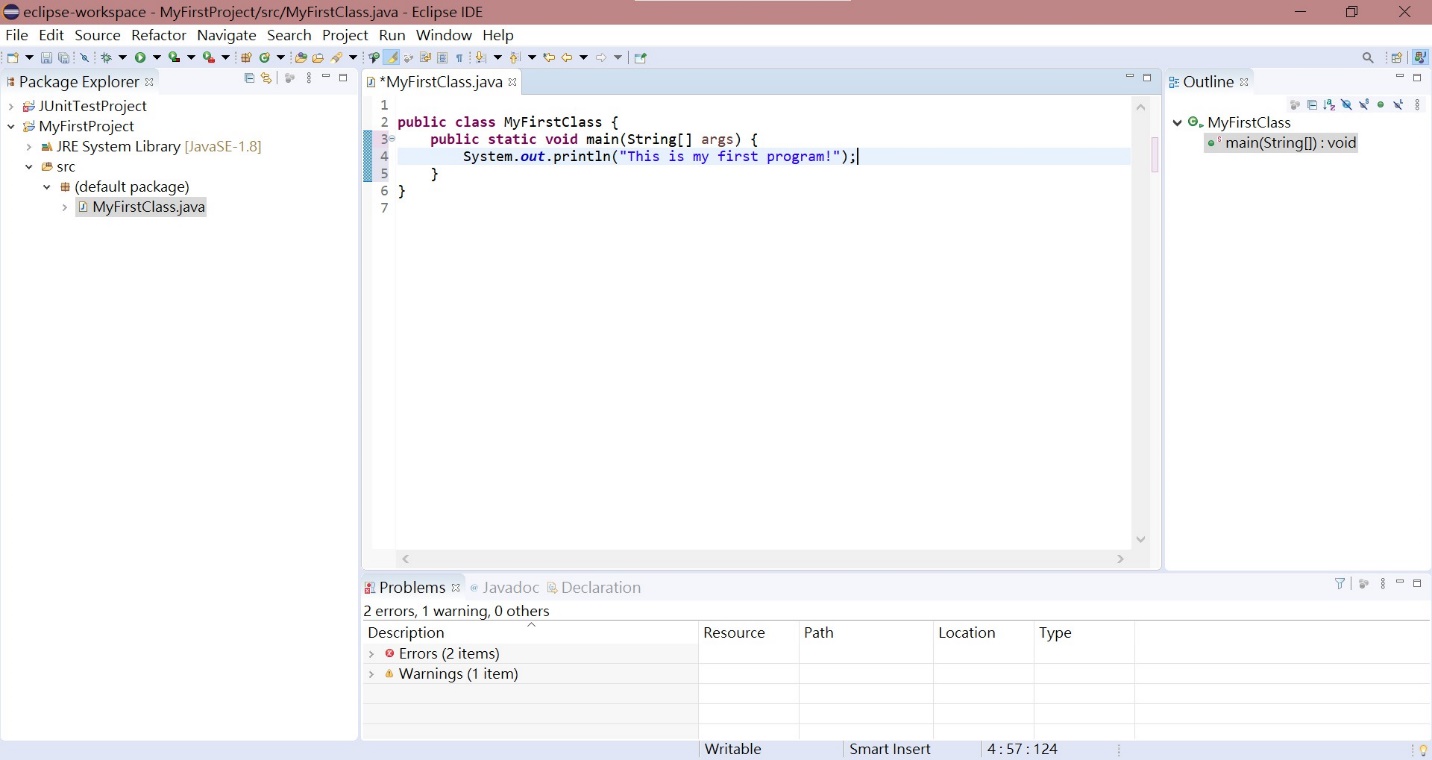
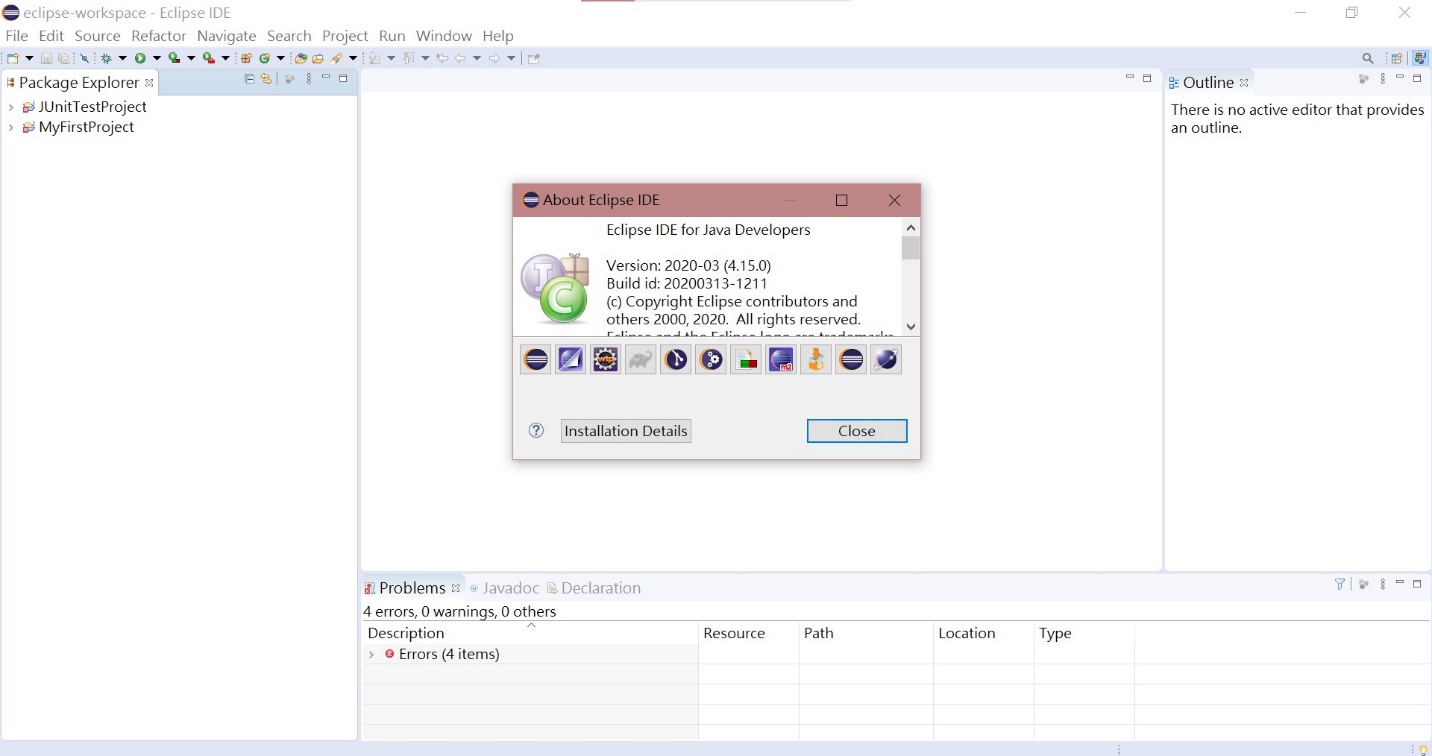
**Part 2 -Install JDK, Test java Application from Command Line**

Provide the screen shots from Step 1 and 2 here:

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

Provide the screen shots from Step 1 and 2 here:

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**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

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自動產生的描述一張含有 文字 的圖片

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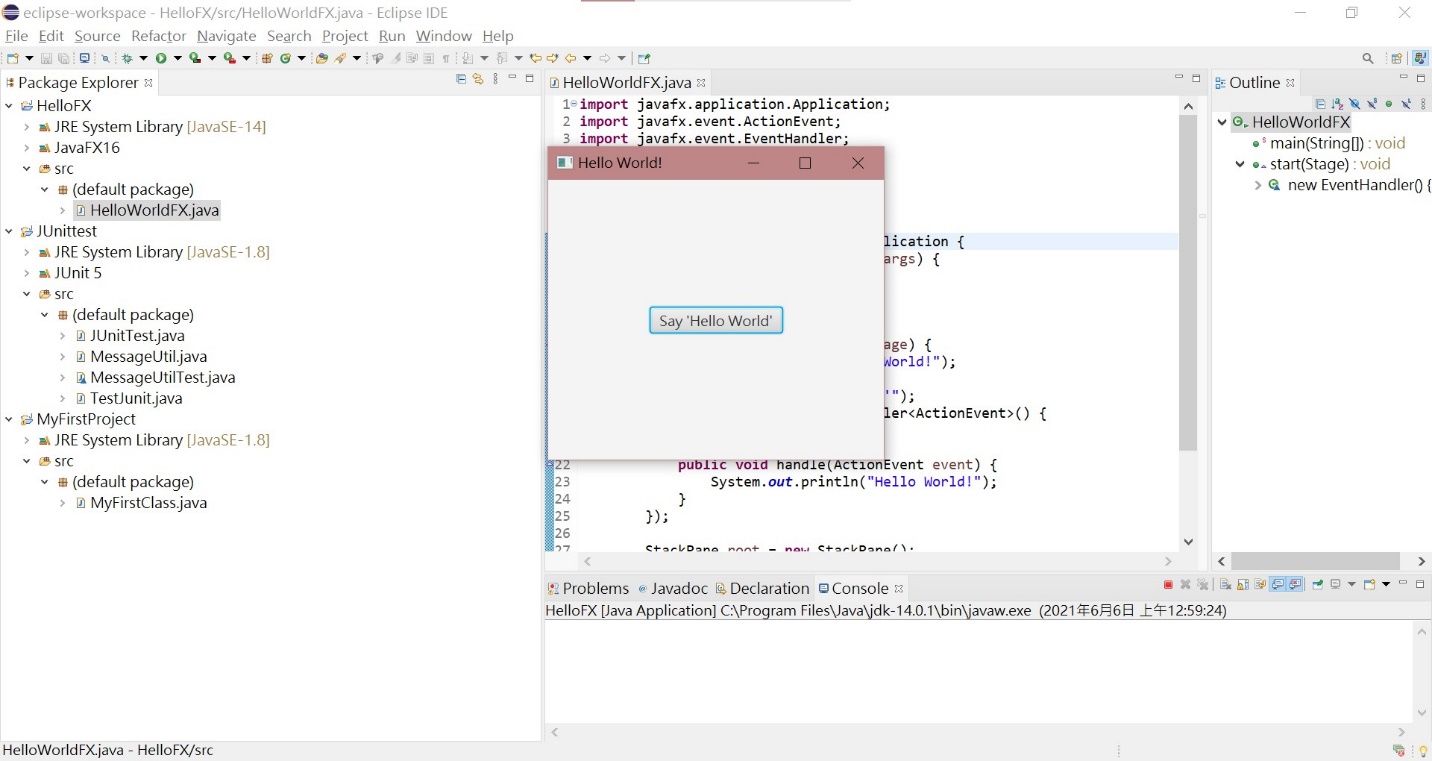
自動產生的描述**

**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

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**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?

Java is a programming language that I have never learned or touched. During the installation process, I felt that this would be a difficult project. In the first week of the course, I learned how to **install Eclipse** and other related tasks. I also learned a lot of basic knowledge about Java and the difference between the C language and Java.

What did you struggle with?

During the learning process, I was struggling the most with **installing Eclipse** and completing quizzes. I found that there are many **versions** that must be installed or downloaded are **not found**. **Some versions and file requirements are different**. I spent a lot of time doing this work. This makes me feel exhausted, I can only find the closest version to install and download. In addition, the quiz is also part of my struggle. When I submit my answer, the system will not tell me where the error is, I can only know correct or incorrect. Sometimes I check repeatedly and still cannot find out where my mistake is. These are the difficulty I struggled in the first week.

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

I think my only success is to complete most of the work, but my unsuccessful place is to **spend too much time on the installation**. It took me several days to complete these installations because many unexplainable problems came up during the installation process.

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

This link helped me complete this assignment.

**<https://stackoverflow.com/questions/44067738/what-is-the-javafx-runtime>**

**https://openjfx.io/openjfx-docs/#win-eclipse-non-ide-1**

**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** |  |
|  | **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** | **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** |