**CMSC203 Assignment 0**

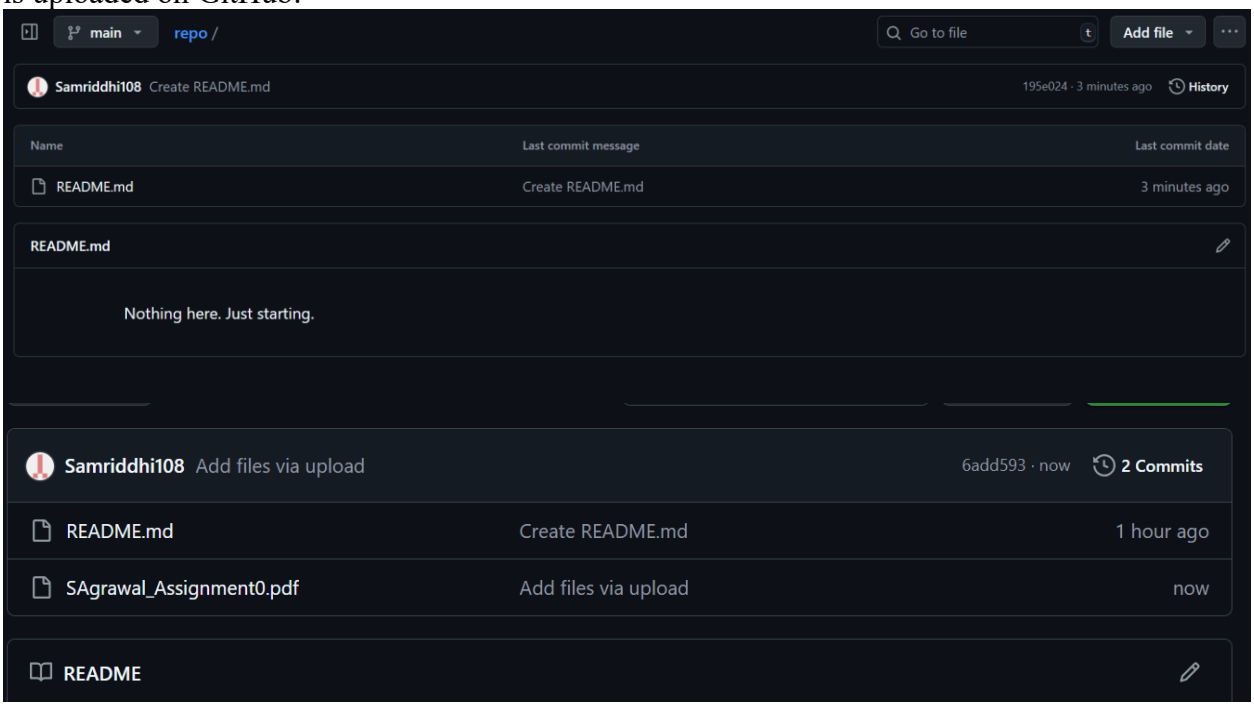
Class: CMSC203 CRN XXXX
Program: Assignment 0
Instructor: Professor Shah

Summary of Description: This assignment helps set up the tools needed for Java programming, like GitHub and Eclipse. Students follow steps and add screenshots to show each part is working.

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:

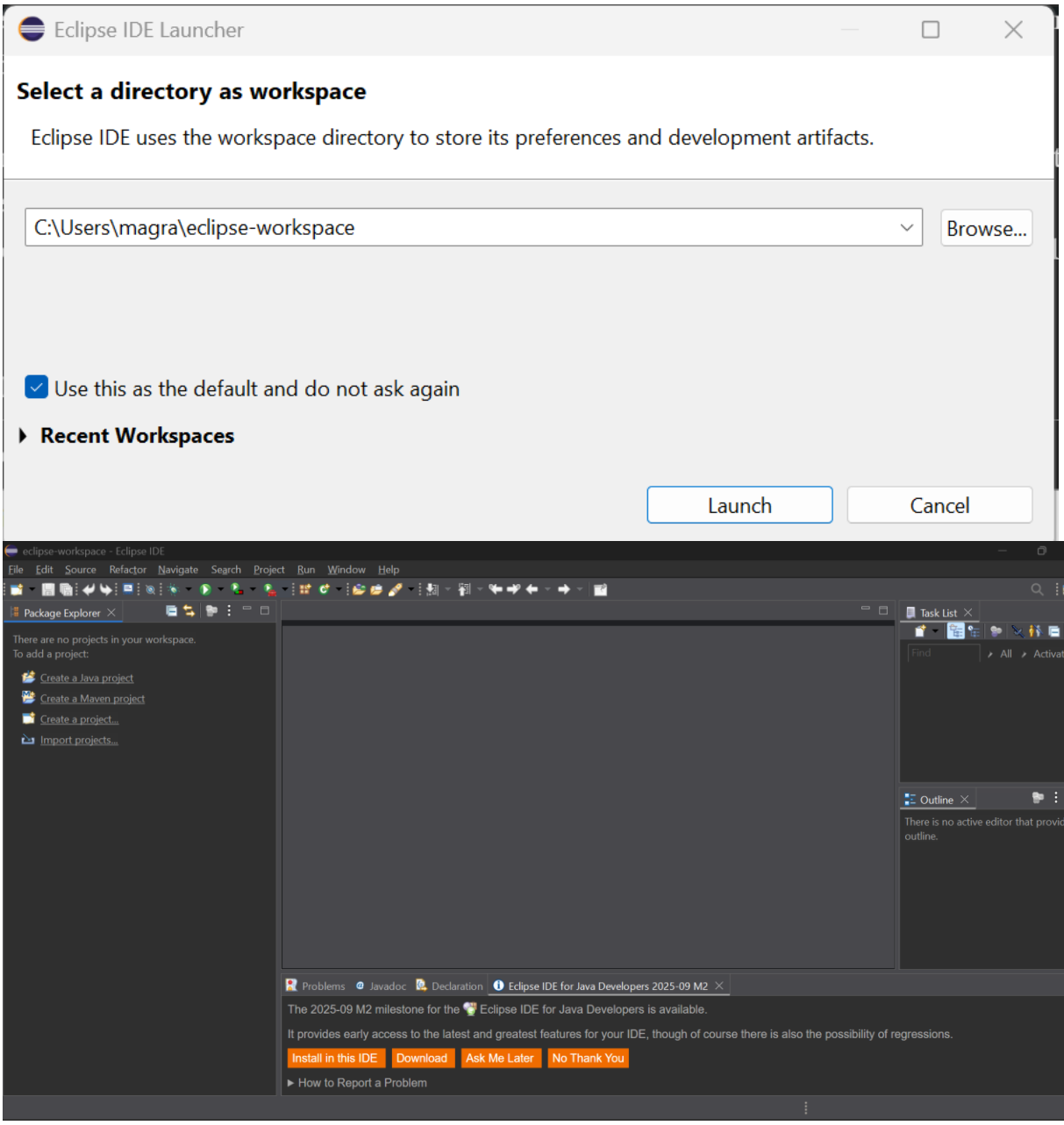
```
C:\Users\magra>javac
Usage: javac <options> <source files>
where possible options include:
  @<filename>                  Read options and filenames from file
  -Akey[=value]                Options to pass to annotation processors
  --add-modules <module>(,<module>)*
        Root modules to resolve in addition to the initial modules,
        or all modules on the module path if <module> is ALL-MODULE-PATH.
  --boot-class-path <path>, -bootclasspath <path>
        Override location of bootstrap class files
  --class-path <path>, -classpath <path>, -cp <path>
        Specify where to find user class files and annotation processors
  -d <directory>               Specify where to place generated class files
  -deprecation
        Output source locations where deprecated APIs are used
  --enable-preview
        Enable preview language features.
        To be used in conjunction with either -source or --release.
  -encoding <encoding>         Specify character encoding used by source files
  -endorseddirs <dirs>         Override location of endorsed standards path
  -extdirs <dirs>              Override location of installed extensions
  -g                           Generate all debugging info
  -g:{lines,vars,source}       Generate only some debugging info
  -g:none                      Generate no debugging info
  -h <directory>
        Specify where to place generated native header files
  --help, -help, -?            Print this help message
  --help-extra, -X             Print help on extra options
  -implicit:{none,class}
        Specify whether to generate class files for implicitly referenced files
  -J<flag>                     Pass <flag> directly to the runtime system
  --limit-modules <module>(,<module>)*
```

new 4 | HelloWorldApp.java

```
1  /**CRLF
2   * The HelloWorldApp class implements an application thatCRLF
3   * displays "Hello World!" to the standard output.CRLF
4   */CRLF
5  public class HelloWorldApp {CRLF
6      public static void main(String[] args) {CRLF
7          // Display "Hello World!"CRLF
8          System.out.println("Hello World!");CRLF
9      }CRLF
10 }CRLF
11
```

```
C:\Users\magra>cd C:\Projects\Java_Proj\CMSC203

C:\Projects\Java_Proj\CMSC203>dir
 Volume in drive C is OS
 Volume Serial Number is A6E9-3FF5

 Directory of C:\Projects\Java_Proj\CMSC203

08/07/2025  10:46 AM    <DIR>          .
08/07/2025  10:46 AM    <DIR>          ..
08/07/2025  10:46 AM               287 HelloWorldApp.java
               1 File(s)            287 bytes
               2 Dir(s)  129,597,038,592 bytes free

C:\Projects\Java_Proj\CMSC203>javac HelloWorldApp.java

C:\Projects\Java_Proj\CMSC203>dir
 Volume in drive C is OS
 Volume Serial Number is A6E9-3FF5

 Directory of C:\Projects\Java_Proj\CMSC203

08/07/2025  11:00 AM    <DIR>          .
08/07/2025  10:46 AM    <DIR>          ..
08/07/2025  11:00 AM               432 HelloWorldApp.class
08/07/2025  10:46 AM               287 HelloWorldApp.java
               2 File(s)            719 bytes
               2 Dir(s)  129,603,407,872 bytes free

C:\Projects\Java_Proj\CMSC203>java HelloWorldApp
Hello World!
```

**Part 3 - Install Eclipse, Test Eclipse Java Application**
Provide the screen shots from Step 1 and 2 here:


Eclipse IDE Launcher
Select a directory as workspace
Eclipse IDE uses the workspace directory to store its preferences and development artifacts.
C:\Users\magra\eclipse-workspace
Browse...
Use this as the default and do not ask again
Recent Workspaces
Launch
Cancel
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
There are no projects in your workspace.
To add a project:
Create a Java project
Create a Maven project
Create a project...
Import projects...
Task List
Find
All
Activate...
Outline
There is no active editor that provides an outline.
Problems
Javadoc
Declaration
Eclipse IDE for Java Developers 2025-09 M2
The 2025-09 M2 milestone for the Eclipse IDE for Java Developers is available.
It provides early access to the latest and greatest features for your IDE, though of course there is also the possibility of regressions.
Install in this IDE
Download
Ask Me Later
No Thank You
How to Report a Problem


**Part 4 - Install, Setup, Test Junit Program.**
Provide the screen shots showing:

a. Eclipse with working JUnit Test example
b. Project screenshot
c. Running example screenshot

**Part 5 - Install, Setup, and Test JavaFX Application.**
Provide the screen shots showing:

a. JavaFX Project screenshot
b. Running example screenshot
c. Java Source Code File

**Lessons Learned:**

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

What have you learned?

What did you struggle with?

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

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

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

| # | | Y/N | Comments |
|---|---|---|---|
| **1.** | **Assignment files:** | | |
| | • FirstInitialLastName_Assignment0.docx/pdf | **Yes or No** | |
| | • Source java files | **Yes or No** | |
| **2.** | **Program compiles** | **Yes or No** | |
| **3.** | **Program runs with desired outputs related to a Test Plan** | **Yes or No** | |
| **4.** | **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** | |