Calculator Project Documentation

(HW 1)

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Stephanie Sechrist

918679078

413.02

<https://github.com/csc413-02-spring2019/csc413-p1-stephlsechrist>

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# Introduction

## Project Overview

## Technical Overview

## Summary of Work Completed

# Development Environment

For this project, I worked solely in IntelliJ IDEA 2018.3.4 (Ultimate Edition) on Windows 10. The version of Java being used is 11.0.2.

# How to Build/Import your Project

1. Use given git repository link to clone the project into desired folder.
2. Open IntelliJ IDEA and select Import Project in the Welcome window.
3. Find the folder that you cloned the git repository to and open the project folder (should be named csc-p1-stephlsechrist).
4. Highlight the calculator folder to be the root of the source files. Click OK.
5. Select “Create project from existing sources” and click Next.
6. Accept the defaults on the next page by clicking Next (should be naming your project calculator).
7. Accept the defaults on the next page by clicking Next.
8. Accept the defaults on the next page by clicking Next. “resources” should be selected under “Libraries.”
9. Select both “main” and “test” modules, if not already done for you. Click next.
10. Select project SDK. You should be using JDK 11. In Name field, type 11. If not already found for you, find your JDK home path. Click Next.
11. Next page should say “No frameworks detected.” Click Finish.

# How to Run your Project

To run the project, one may either use EvaluatorDriver.java or EvaluatorUI.java.

In the Project window on the left, open folders until “evaluator” folder is found. To use the driver, right click EvaluatorDriver.java and click “Run ‘EvaluatorDriver.main()’”. Enter an expression and hit enter key to evaluate it. Manually stop the process by clicking the stop button to left of dialog box.

To us GUI, right click on EvaluatorUI.java in Projects window and run it. Use your mouse to click on buttons to type an expression. Exit the window to close the program.

# Assumption Made

In this project, we assume that the user is going to use the GUI to interact with the program, so we do not have to worry about invalid operators, such as ], [, %, !, etc. Our calculator is a very basic calculator that only uses +, - , /, \*, (, ).

# Implementation Discussion

## Class Diagram

# Project Reflection

# Project Conclusion/Results