

CSC 413 Project Documentation
Summer 2020

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413.01

[csc413-01-SU2020/csc413-p1-amitkhalsa25](https://github.com/csc413-01-SU2020/csc413-p1-amitkhalsa25)

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1. Introduction

1.1. Project Overview

The project was to make a calculator, just like any type of calculator we use either on device or in hand. We operate the process using parenthesis, multiplication, power, Subtract and divide. So we will use code to make this calculator happen!

1.2. Technical Overview

While we code, after we make our subclasses, we then proceed to evaluator test to make our expressions work. There are series of loops including while condition. By these conditions we shall succeed.

1.3. Summary of Work Completed

All classes are running good and subclasses as well I made all the conditions work as in order to make my program successful. After we make the subclasses we approach the next step of the evaluator class where we make our test expressions to work.

2. Development Environment

Version Used: Java 11

Ide: IntelliJ

3. How to Build/Import your Project

First you copy the link in GitHub then go to your terminal and type git clone and paste your link. After you can go to IntelliJ and click "open or Import" and then choose calculator folder.

4. How to Run your Project

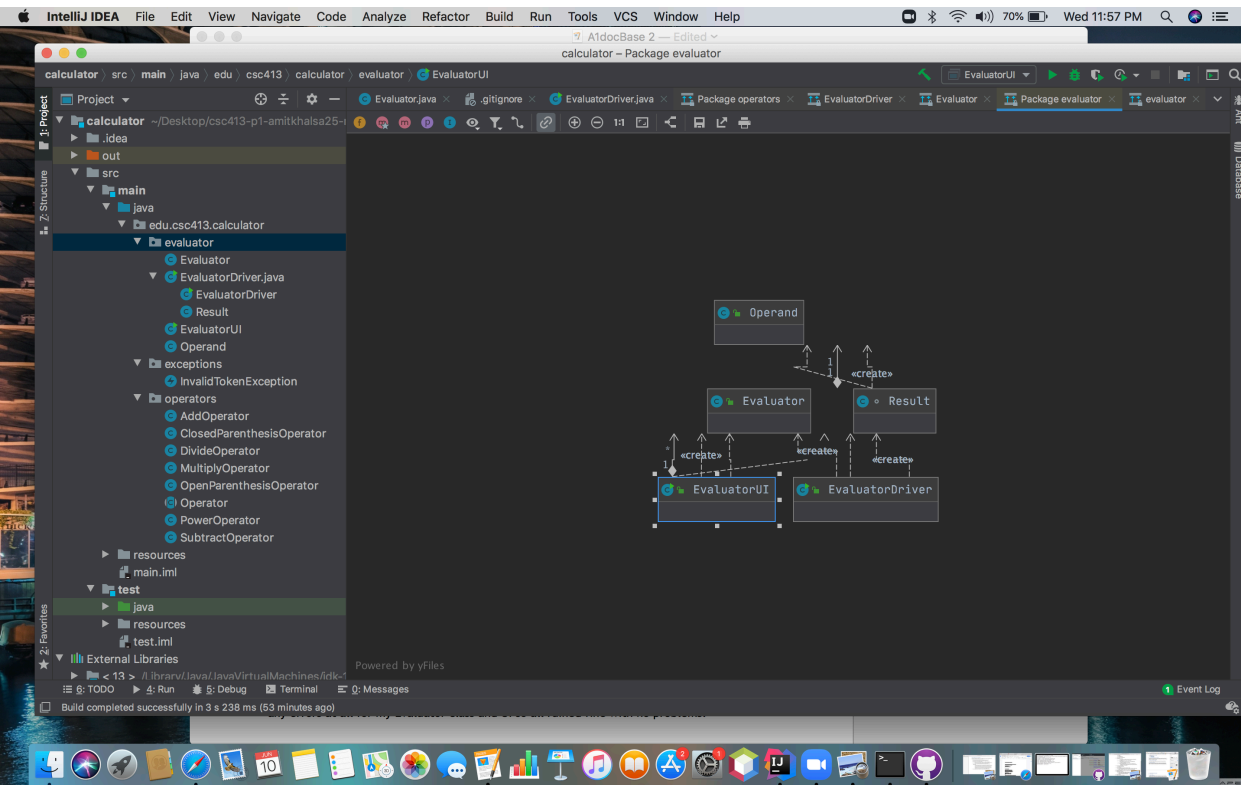
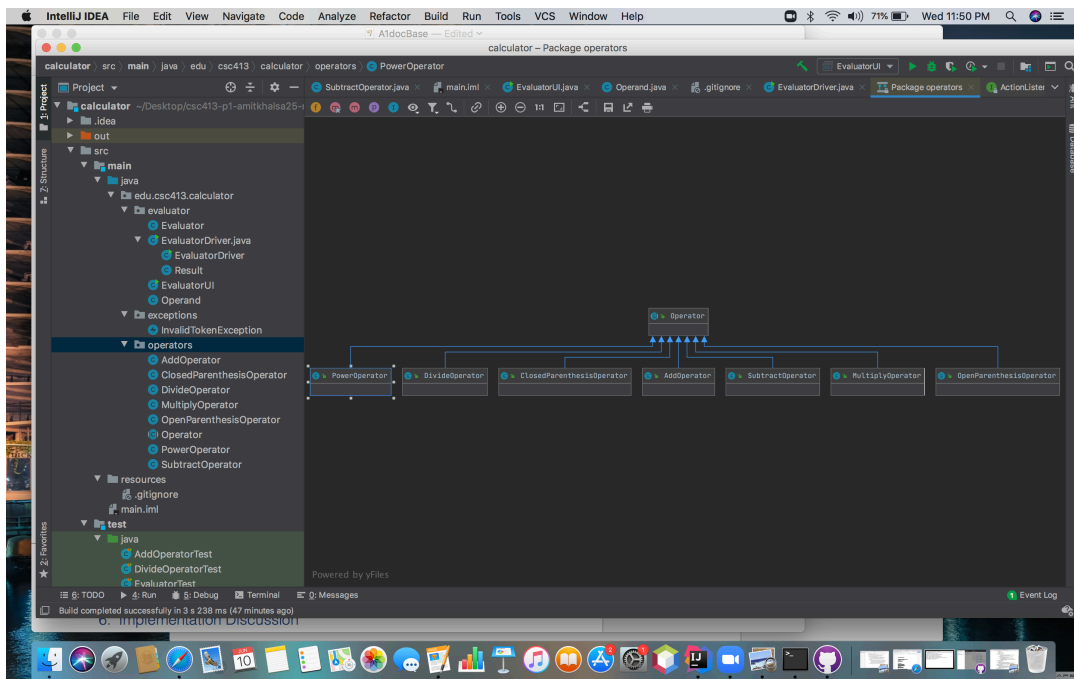
Go to the Evaluator class and click on the tool bar and you can also go to the UI and click the first tool bar you see!

5. Assumption Made

I thought about too much for the parenthesis it took so much time for me. I also should've asked help early instead of solving it on my own because everyone needs help not just me.

6. Implementation Discussion

6.1. Class Diagram



7. Project Reflection

Project was hard with parenthesis but overall fun! I like doing project like these.

8. Project Conclusion/results

Overall this project was fun, I had to restart because I cloned it wrong and I got off work late due to Incident so That's why my submission is pretty late. Everything worked and all Tests passed! One of my biggest projects so far but glad it went well.