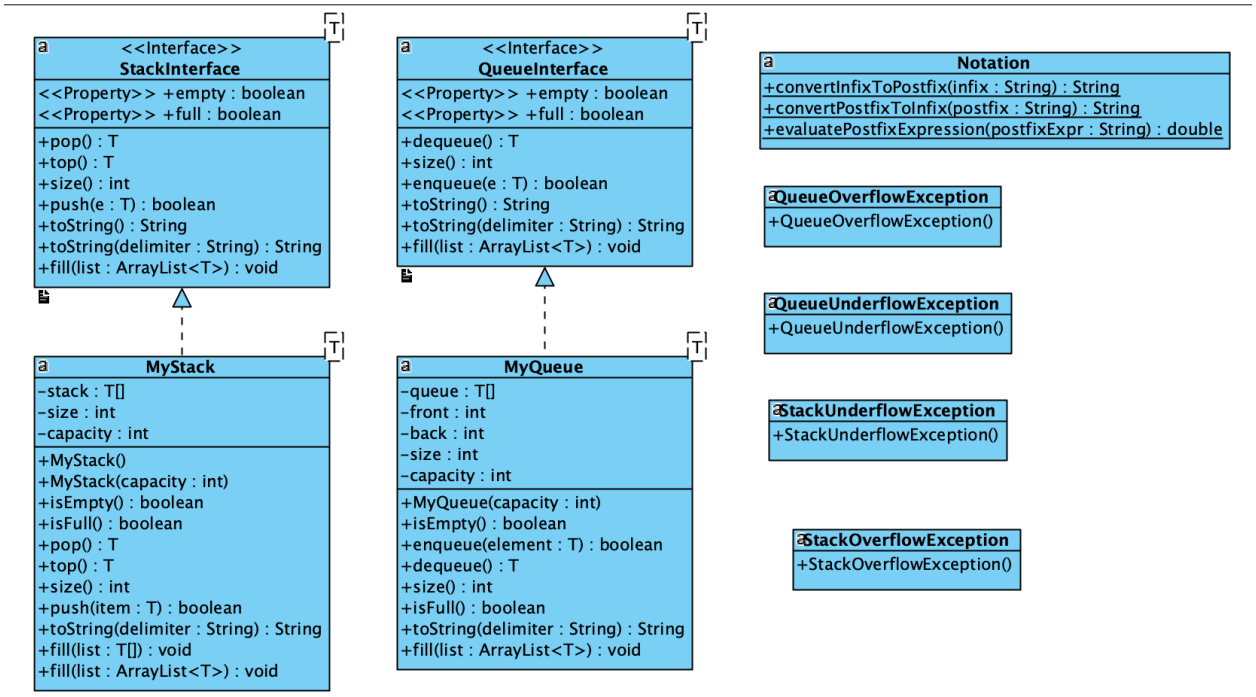
CMSC204 Assignment 1

Class: CMSC204
Program: Assignment #2
Instructor: Professor Kuijt
Summary of Description:
Postfix prefix converter/evaluator

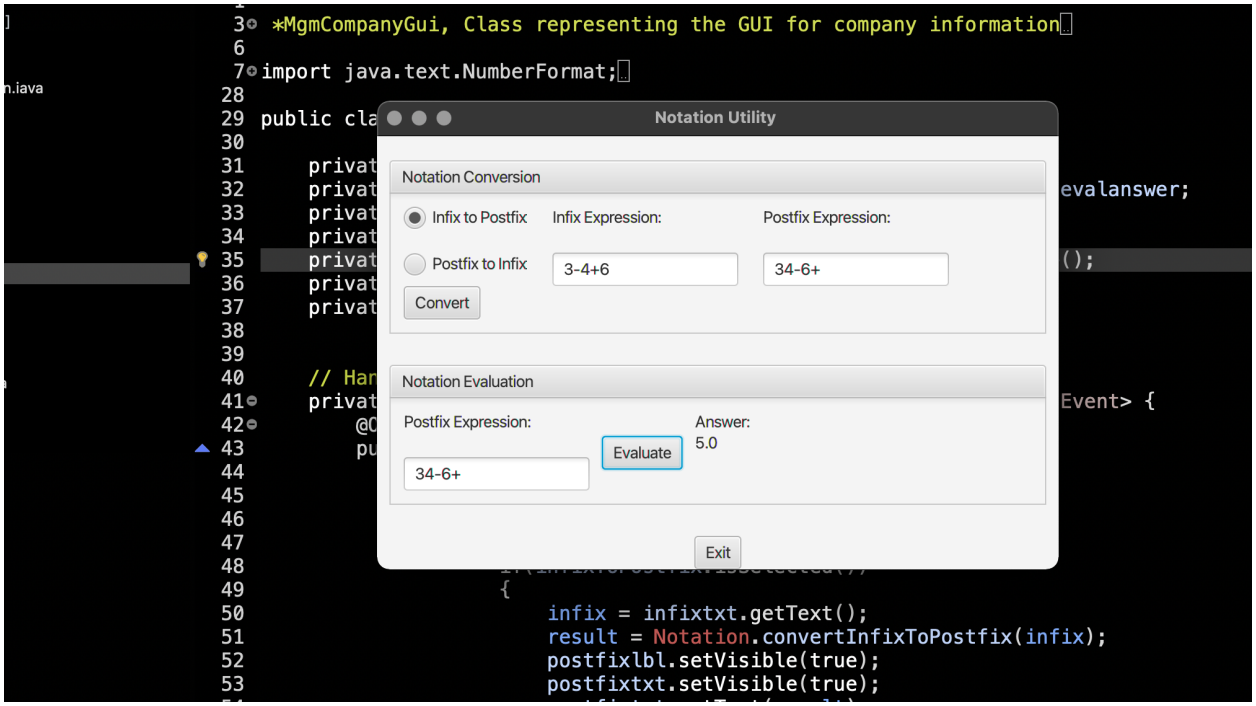
Due Date: February 19, 2023

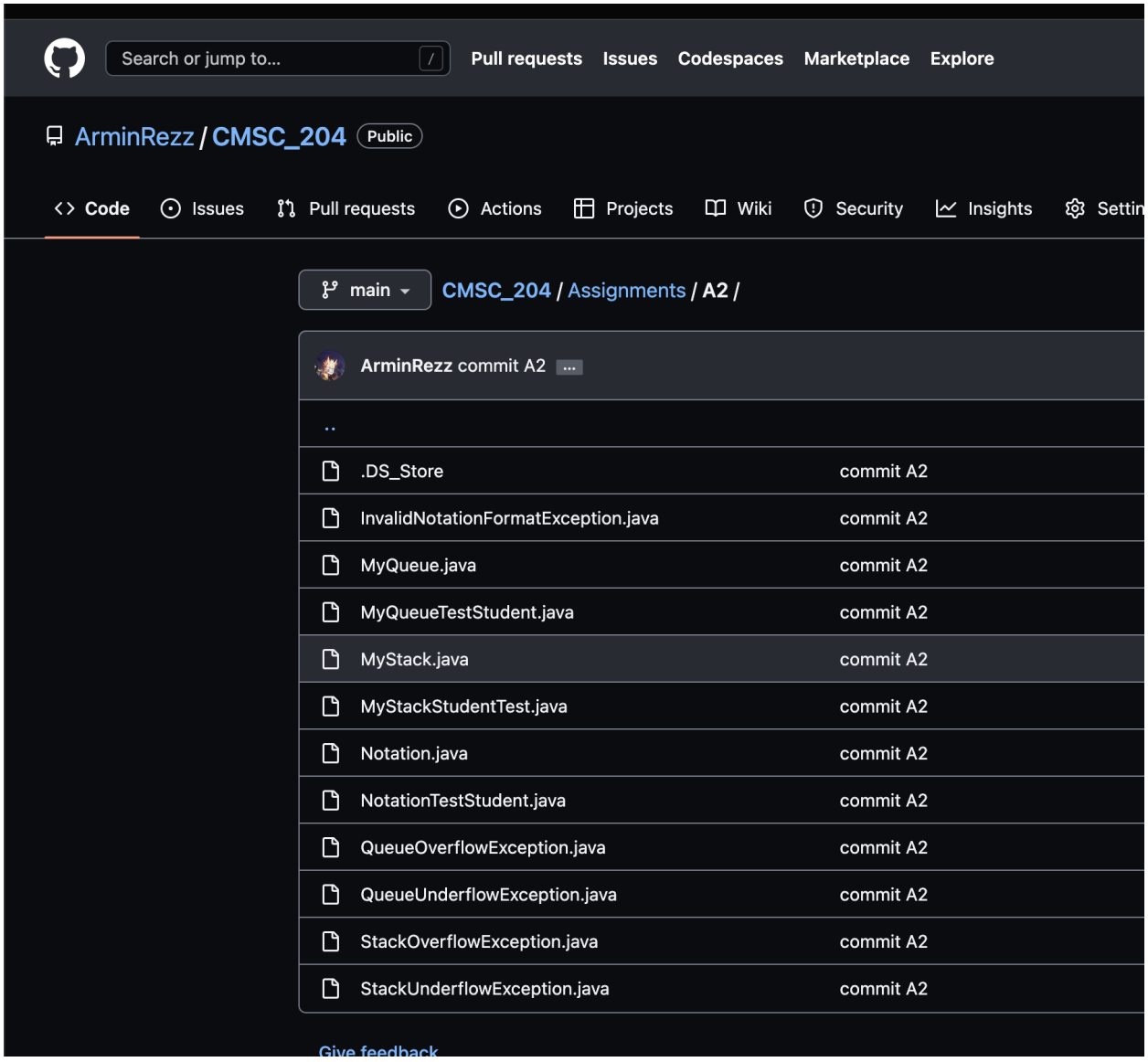
Integrity Pledge: I pledge that I have completed the programming assignment independently. I have not copied the code from a student or any source.

UML:



Screenshots:


Notation Utility
Notation Conversion
Infix to Postfix
Postfix to Infix
Infix Expression:
Postfix Expression:
3-4+6
34-6+
Convert
Notation Evaluation
Postfix Expression:
34-6+
Evaluate
Answer:
5.0
Exit



Lessons Learned:

What have you learned?

Learned Stacks Queues and how to employ them.

What did you struggle with?

I struggled with getting the evaluation to work properly, also had to add many throws because there were exceptions that werent checked for.

What would you do differently on your next project?

Nothing really probably wouldve spent more time optimizing notation function for evaluation

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

Successfull with all parts.

Note:
I did have to add try catches and throws to the junit tests because they were giving me errors otherwise.