Links:

Refactor 1:

https://github.com/JulianGomez1604/CSE_464_2024_jjgomezm/commit/3a40b77e8f08fa4ca39 1b6e1546246af258433d5

Refactor 2:

https://github.com/JulianGomez1604/CSE_464_2024_jjgomezm/commit/3a40b77e8f08fa4ca39 1b6e1546246af258433d5

Refactor 3:

https://github.com/JulianGomez1604/CSE 464 2024 jjgomezm/commit/f41466565cb31d40bda 1f9fe20358fda01e251c6

Refactor 4:

https://github.com/JulianGomez1604/CSE_464_2024_jjgomezm/commit/3824d2739ca2ce327c 6056682b0876a8a541d625

Refactor 5:

https://github.com/JulianGomez1604/CSE_464_2024_jjgomezm/commit/f654a7951046b423316 7002067e93ee9d252d808

Implementing Design pattern:

https://github.com/JulianGomez1604/CSE_464_2024_jjgomezm/commit/a9335274c5fe409f92b 1fb57efab1db2a9b7ac66

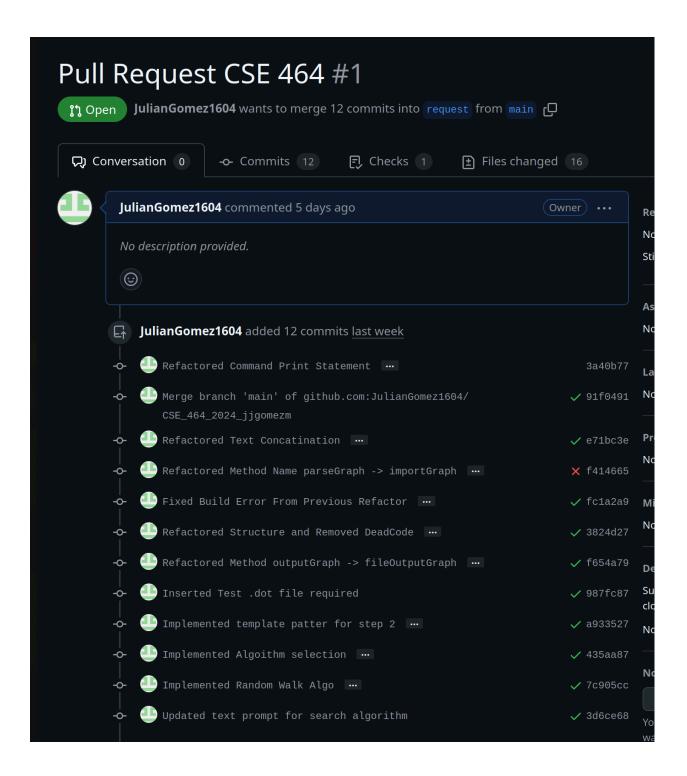
Algorithm Selection

https://github.com/JulianGomez1604/CSE_464_2024_jjgomezm/commit/435aa87468e51ff70ae 03d286d52fe2fc96587bd

Random Walk Algorithm

https://github.com/JulianGomez1604/CSE_464_2024_jjgomezm/commit/7c905cc0ffe37549d1058e0c71d3641e217e07fe

Pull Request:



Running Test Cases:

For all test cases:

mvn

-Dtest=testFirstFeature,testSecondFeature,testThirdFeature,testFourthFeature,testPart 2 test

```
For only new cases:
```

Path for import:

RAND

mvn -Dtest=testPart2 test

User Manual for RAND WALK (New Feature):

All old features are used the same way reference README for previous parts

```
my-app/src/dot files/input.dot

Run Code and input these options:

a
*path to file provided*
f *to confirm import*
j
a
h
```

```
Please select an option:

j
Enter source node:

a
Enter destination node:

h
Choose an algorithm to search for the path, 'BFS', 'DFS', or 'RAND':

RAND
a -> b -> c -> d -> a -> e -> g -> h
```

```
Please select an option:

j
Enter source node:

a
Enter destination node:

h
Choose an algorithm to search for the path, 'BFS', 'DFS', or 'RAND':

RAND
a -> b -> c -> d -> a -> b -> c -> d -> a -> e -> f -> h
```