## **EXPECTED OUTPUTS FOR FEATURES TESTS**

Instructions: code works on Maven Package and in the CI when you run it in github, as far as I know there isn't anything special you have to do in order to run the project. The java project was changed to java11 with temurin to allow it to be used with the Java CI on github.

# Removenode test:

```
## Tests passed: 1 of 1 test — 350 ms

E:\JOK\bin\java.exe ...
Your vertexes: [A, B, C, D, E]
Number of vertexes in your graph: 3
digraph *D* {
    "E"
    "A* -> *D*
    }
Your vertexes: [A, C, D, E]
Number of edges in your graph: 3
digraph *D* {
    "E"
    "A* -> *D*
    "A* -> *C*
}

Your vertexes: [A, C, D, E]
Number of edges in your graph: 3
digraph *D* {
    "E"
    "A* -> *D*
    "A* -> *C*
    "A* -> *D*
    "A* -> *C*
}

*A* -> *D*

*A* -> *C*

*A* -> *D*

*A* -> *D*

*A* -> *C*

*A* -> *D*

*A* -> *C*

*A* -> *D*

*A* -> *C*

*A* -> *D*

*A* -> *D*

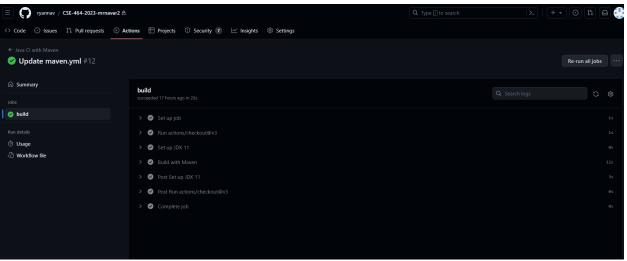
*A* -> *C*

*A* -> *C*
```

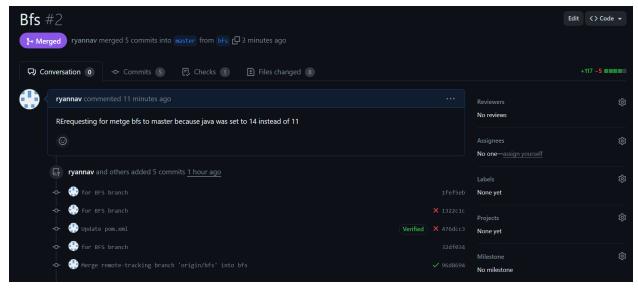
# removeNodes test:

# removeEdge test:

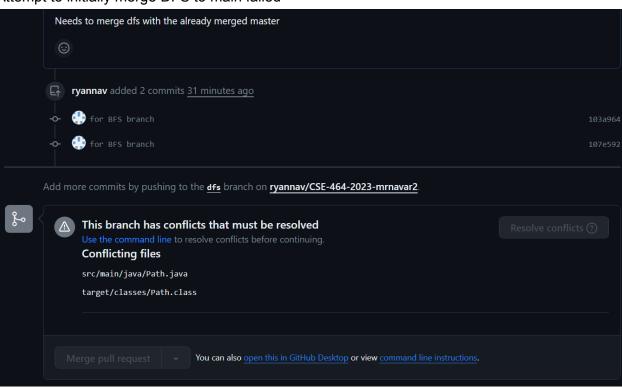
# First time running the CI successfully



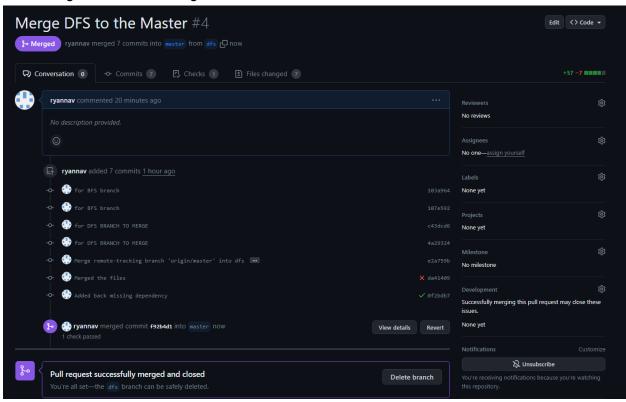
First merge BFS branch to master



# Attempt to initially merge DFS to main failed



Fixed merge conflict and merged the DFS branch to main



# **BFS TESTS:**

```
public void testBFS(){
    main s = new main();
    s.parseGraph( [lepath: */test1.dot*);
    s.addMode( Label: *E*);
    s.addEdge( srclabel: *B*, dstLabel: *E*);
    s.fraphSearch(s.getNode( label: *A*),s.getNode( label: *E*), main.Algorithm.s*s);
    assertEquals( expected: *A->B->E*,s.SearchtoString(s.getNode( label: *A*),s.getNode( label: *E*),main.Algorithm.sFS) );
}

**Tests passed: 1 of 1 test - 356 ms

E:\JDK\bin\java.exe ...
Running search through BFS

A->B->E

Process finished with exit code 0
```

#### DFS TESTS:

#### Link to commits:

Added deltenode, deletenodes and deleteedge:

https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/ac9227ebe4a14fe4d862fa22dc37c 1503a0b8e8f

## Got CI working:

https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/c33ada4b7d2d998ae7e524949c1354a274155efb

#### **BFS BRANCH:**

https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/32df03409db2b8216b81de76588ca1864137fad2

#### DFS BRANCH:

https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/c43dcd6af67e0bcf7ca956a3b5324888f92b43f8

#### BFS MERGE:

https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/6ac403d138e5d6041bf98b430521 96fb76235399

#### DFS MERGE:

https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/6ac403d138e5d6041bf98b430521 96fb76235399

# Link to master of final product:

https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/ea31389eaff1b89e1676c1409696e 366a1a0af5d