

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:

```
@test
public void testremovenode(){
    main s = new main();
    s.parseGraph( filepath: "/test1.dot");
    s.addNode( Label: "E");
    s.toString();
    s.removeNode( label: "B");
    assertEquals(s.toString(), actual: "Your vertexes: [A, C, D, E]\n" +
        "Number of vertexes in your graph: 4\n" +
        "Number of edges in your graph: 2\n" +
        "digraph \"D\" {\n" +
        "\"E\"\n" +
        "\"A\" -> \"D\"\n" +
        "\"A\" -> \"C\"\n" +
        "};");
}
```

✓ Tests passed: 1 of 1 test ~ 350ms

E:\JDK\bin\java.exe ...
Your vertexes: [A, B, C, D, E]
Number of vertexes in your graph: 5
Number of edges in your graph: 3
digraph "D" {
"E"
"A" -> "B"
"A" -> "C"
"A" -> "D"
}
Your vertexes: [A, C, D, E]
Number of vertexes in your graph: 4
Number of edges in your graph: 2
digraph "D" {
"E"
"A" -> "D"
"A" -> "C"
}

```
@Test
public void testremovenodeError(){
    main s = new main();
    s.parseGraph( filepath: "/test1.dot");
    s.addNode( Label: "E");
    s.toString();
    assertEquals(s.removeNode( label: "F"), actual: false); //false means it sends error code
}

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@Test
```

✓ Tests passed: 1 of 1 test – 378 ms

E:\JDK\bin\java.exe ...
Your vertexes: [A, B, C, D, E]
Number of vertexes in your graph: 5
Number of edges in your graph: 3
digraph "D" {
 "E"
 "A" -> "B"
 "A" -> "C"
 "A" -> "D"
}
Error, node does not exist

Process finished with exit code 0

removeNodes test:

```
@Test
public void testremovenodes(){
    main s = new main();
    s.parseGraph( filepath: "/test1.dot");
    s.addNode( Label: "E");
    s.toString();
    String[] testArr = {"B","C","D"};
    s.removeNodes(testArr);
    assertEquals(s.toString(), actual: "Your vertexes: [A, E]\n" +
        "Number of vertexes in your graph: 2\n" +
        "Number of edges in your graph: 0\n" +
        "digraph \"D\" {\n" +
        "  \"A\"\n" +
        "  \"E\"\n" +
        "};");
}
```

✓ Tests passed: 1 of 1 test – 354 ms

E:\JDK\bin\java.exe ...
Your vertexes: [A, B, C, D, E]
Number of vertexes in your graph: 5
Number of edges in your graph: 3
digraph "D" {
 "E"
 "A" -> "B"
 "A" -> "C"
 "A" -> "D"
}
Your vertexes: [A, E]
Number of vertexes in your graph: 2
Number of edges in your graph: 0
digraph "D" {
 "A"
 "E"
}

Process finished with exit code 0

removeEdge test:

```
new
@Test
public void testremovenodeandedges(){
    main s = new main();
    s.parseGraph( filepath: "/test1.dot");
    s.addNode( Label: "E");
    s.addNode( Label: "F");
    s.addEdge( srcLabel: "A", dstLabel: "F");
    s.toString();
    s.removeNode( label: "B");
    s.removeNode( label: "E");
    s.removeEdge( srcLabel: "A", dstLabel: "C");
    s.removeEdge( srcLabel: "A", dstLabel: "F");
    assertEquals(s.toString(), actual: "Your vertexes: [A, C, D, F]\n" +
        "Number of vertexes in your graph: 4\n" +
        "Number of edges in your graph: 1\n" +
        "digraph \"D\" {\n" +
        "\"F\"\n" +
        "\"C\"\n" +
        "\"A\" -> \"D\"\n" +
        "}");
}
Manual Navarró +1
```

✓ Tests passed: 1 of 1 test - 380ms

```
"A" -> "C"
"A" -> "D"
}
Your vertexes: [A, C, D, F]
Number of vertexes in your graph: 4
Number of edges in your graph: 1
digraph "D" {
"F"
"C"
"A" -> "D"
}
```

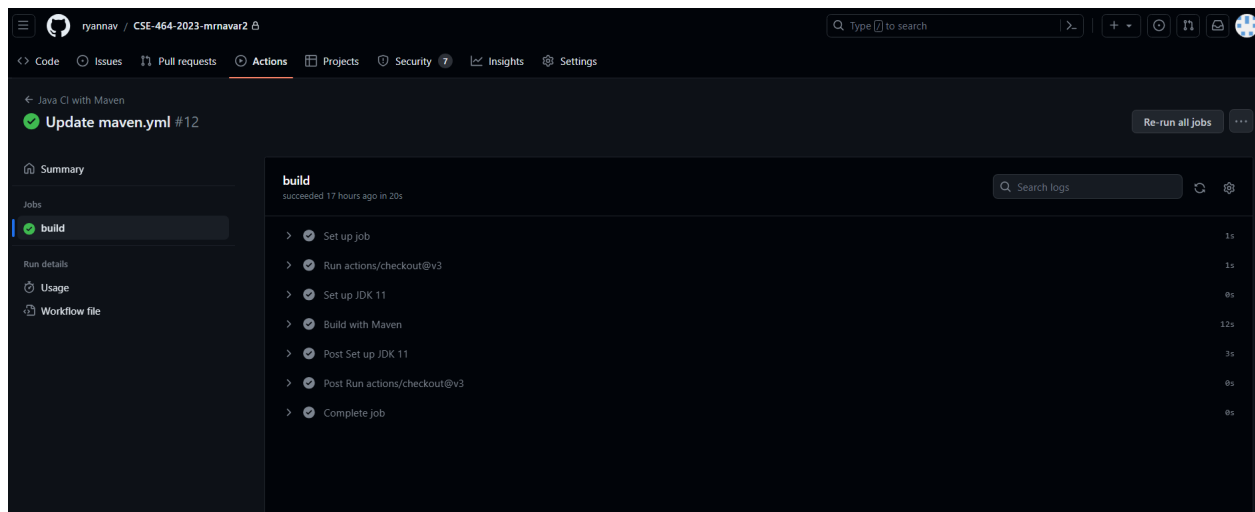
```
± ryannav
@Test
public void testremoveedgeERROR(){
    main s = new main();
    s.parseGraph( filepath: "/test1.dot");
    s.addNode( Label: "E");
    s.toString();
    assertEquals(s.removeEdge( srcLabel: "A", dstLabel: "E"), actual: false);
}
± ryannav +1
@Test
```

✓ Tests passed: 1 of 1 test - 399 ms

E:\JDK\bin\java.exe ...
Your vertexes: [A, B, C, D, E]
Number of vertexes in your graph: 5
Number of edges in your graph: 3
digraph "D" {
 "E"
 "A" -> "B"
 "A" -> "C"
 "A" -> "D"
}
EXCEPTION, Your edge does not exist

Process finished with exit code 0

First time running the CI successfully



<https://github.com/ryannav/CSE-464-2023-mrnavar2/actions>

First merge BFS branch to master

Bfs #2 Edit <> Code

Merged ryannav merged 5 commits into `master` from `bfs` 3 minutes ago

Conversation 0 Commits 5 Checks 1 Files changed 8 +117 -5

ryannav commented 11 minutes ago

RErequesting for metge bfs to master because java was set to 14 instead of 11

ryannav and others added 5 commits 1 hour ago

- for BFS branch 1fef5eb
- for BFS branch 1322c1c
- Update pom.xml Verified 476dcc3
- for BFS branch 32df034
- Merge remote-tracking branch 'origin/bfs' into bfs 96d8694

Reviews
No reviews

Assignees
No one—[assign yourself](#)

Labels
None yet

Projects
None yet

Milestone
No milestone

Attempt to initially merge DFS to main failed

Needs to merge dfs with the already merged master

ryannav added 2 commits 31 minutes ago

- for BFS branch 103a964
- for BFS branch 107e592

Add more commits by pushing to the `dfs` branch on [ryannav/CSE-464-2023-mrnavar2](#)

This branch has conflicts that must be resolved Resolve conflicts ?

Use the [command line](#) to resolve conflicts before continuing.

Conflicting files

- `src/main/java/Path.java`
- `target/classes/Path.class`

Merge pull request You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

<https://github.com/ryannav/CSE-464-2023-mrnavar2/pulls?q=is%3Apr+is%3Aclosed>

Fixed merge conflict and merged the DFS branch to main

Merge DFS to the Master #4

Merged ryannav merged 7 commits into `master` from `dfs` now

Conversation 0 Commits 7 Checks 1 Files changed 7 +57 -7

ryannav commented 20 minutes ago

No description provided.

ryannav added 7 commits 1 hour ago

- for BFS branch 183a964
- for BFS branch 107e592
- for DFS BRANCH TO MERGE c43dcd6
- for DFS BRANCH TO MERGE 4a29324
- Merge remote-tracking branch 'origin/master' into dfs e2a759b
- Merged the files da41409
- Added back missing dependency 0f2bdb7

ryannav merged commit `f92b4d1` into `master` now
1 check passed

View details **Revert**

Reviews
No reviews

Assignees
No one—[assign yourself](#)

Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Successfully merging this pull request may close these issues.

Notifications
[Unsubscribe](#)

Pull request successfully merged and closed
You're all set—the `dfs` branch can be safely deleted.

Delete branch

BFS TESTS:

```
@Test
public void testBFS(){
    main s = new main();
    s.parseGraph( filepath: "/test1.dot");
    s.addNode( Label: "E");
    s.addEdge( srcLabel: "B", dstLabel: "E");
    s.GraphSearch(s.getNode( label: "A"),s.getNode( label: "E"), main.Algorithm.BFS);
    assentEquals( expected: "A->B->E",s.SearchtoString(s.getNode( label: "A"),s.getNode( label: "E"),main.Algorithm.BFS) );
}
}
```

✓ 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:



```
@Test
public void testDFS(){
    main s = new main();
    s.parseGraph( "filepath: "/test1.dot");
    s.addNode( Label: "E");
    s.addEdge( srcLabel: "B", dstLabel: "E");
    s.GraphSearch(s.getNode( label: "A"),s.getNode( label: "E"), main.Algorithm.DFS);
    assertEquals( expected: "A->B->E",s.SearchtoString(s.getNode( label: "A"),s.getNode( label: "E"),main.Algorithm.DFS) );
}
```

Tests passed: 1 of 1 test - 398 ms

E:\JDK\bin\java.exe ...

Running search through DFS

A->B->E

Process finished with exit code 0

Link to commits:

Added deltenode, deletenodes and deleteedge:

<https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/ac9227ebe4a14fe4d862fa22dc37c1503a0b8e8f>

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/6ac403d138e5d6041bf98b43052196fb76235399>

DFS MERGE:

<https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/6ac403d138e5d6041bf98b43052196fb76235399>

Link to master of final product:

<https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/ea31389eaff1b89e1676c1409696e366a1a0af5d>