

Instructions:

Should work with just mvn package it does on my machine, all output files are generated inside outputs folder, all expected output files are inside of the expectedOut folder. Project is made using java14

Commit History

This commit was once the first feature tests started working:

<https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/779258ec7593dce51b3200bbc624f7cc678050df>

This was the commit once the second feature began working:

<https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/6f753064da299926ad12a58ae9021f087d7d8df0>

Third feature:

<https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/8e97819bc515667121c5a05663c59aaa5a6cc68c>

Fourth feature:

<https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/fc6b3306ab087045a038aacd017a7079ef5435a1>

Final commit that includes test files(didnt mean to push them but it shows the completed tests) this also has all features working with mvn package:

<https://github.com/ryannav/CSE-464-2023-mrnavar2/commit/97f6e2fe135d56045bb7f47e5342846d0e47d95c>

mvn package output:

```
PS E:\Programming\intellijprojects\CSE-464-2023-mrnavar2> mvn package
[INFO] Scanning for projects...
[INFO]
[INFO] -----< asu:CSE-464-2023-mrnavar2 >-----
[INFO] Building CSE-464-2023-mrnavar2 1.0-SNAPSHOT
[INFO]    from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ CSE-464-2023-mrnavar2 ---
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- compiler:3.8.1:compile (default-compile) @ CSE-464-2023-mrnavar2 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ CSE-464-2023-mrnavar2 ---
[INFO] skip non existing resourceDirectory E:\Programming\intellijprojects\CSE-464-2023-mrnavar2\src\test\resources
[INFO]
[INFO] --- compiler:3.8.1:testCompile (default-testCompile) @ CSE-464-2023-mrnavar2 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- surefire:3.1.2:test (default-test) @ CSE-464-2023-mrnavar2 ---
[INFO] Using auto detected provider org.apache.maven.surefire.junit4.JUnit4Provider
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running myTests
Your vertexes: [A, B, C, D, F, I]
Number of vertexes in your graph: 6
Number of edges in your graph: 6
digraph "A" {
"I"
"A" -> "I"
"A" -> "C"
"A" -> "B"
"C" -> "D"
"B" -> "C"
```

```

"A" -> "B"
"C" -> "D"
"B" -> "C"
"B" -> "F"
}
Your vertexes: [A, B, C, D, F]
Number of vertexes in your graph: 5
Number of edges in your graph: 5
digraph "A" {
"A" -> "C"
"A" -> "B"
"C" -> "D"
"B" -> "C"
"B" -> "F"
}
Your vertexes: [A, B, C, D]
Number of vertexes in your graph: 4
Number of edges in your graph: 4
digraph "D" {
"A" -> "B"
"A" -> "C"
"A" -> "D"
"B" -> "C"
}
Your vertexes: [A, B, C, D]
Number of vertexes in your graph: 4
Number of edges in your graph: 3
[INFO] Results:
[INFO]
[INFO] Tests run: 14, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- jar:3.3.0:jar (default-jar) @ CSE-464-2023-mrnavar2 ---
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.003 s
[INFO] Finished at: 2023-10-11T01:58:31-07:00
[INFO] -----

```

OUTPUTS

I wrote 2 tests for each feature but here I'll show an example of one of each test:

Feature 1 pt 1:

```
✓ myTests 371 ms ✓ Tests passed: 1 of 1 test – 371 ms
  ✓ testfeatur1pt1 371 ms
    E:\JDK\bin\java.exe ...
    Your vertexes: [A, B, C, D]
    Number of vertexes in your graph: 4
    Number of edges in your graph: 3
    digraph "D" {
      "A" -> "B"
      "A" -> "C"
      "A" -> "D"
    }

    Process finished with exit code 0
```

Feature 1 pt 2:

```
Project CSE-464-2023-mrnavar2 E:\Programming\lib
  .idea
  expectedOut
    f1p2t2expected.txt
    f1p2expected.txt
  outputs
    f4t2output.png
    f4test2Output.dot
    test1Output.dot
    test2Output.png
    testflout.txt
    testfint2out.txt

Structure

Run myTests.testfeatur1pt2 x
  1 Your vertexes: [A, B, C, D]
  2 Number of vertexes in your graph: 4
  3 Number of edges in your graph: 3
  4 digraph "D" {
  5   "A" -> "B"
  6   "A" -> "C"
  7   "A" -> "D"
  8 }

  ✓ myTests 352 ms ✓ Tests passed: 1 of 1 test – 352 ms
    ✓ testfeatur1pt2 352 ms
      E:\JDK\bin\java.exe ...

      Process finished with exit code 0
```

Feature 2 pt 1:

```
✓ myTests 351 ms ✓ Tests passed: 1 of 1 test – 351 ms
  ✓ testfeature2pt1 351 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"
    }

    Process finished with exit code 0
```

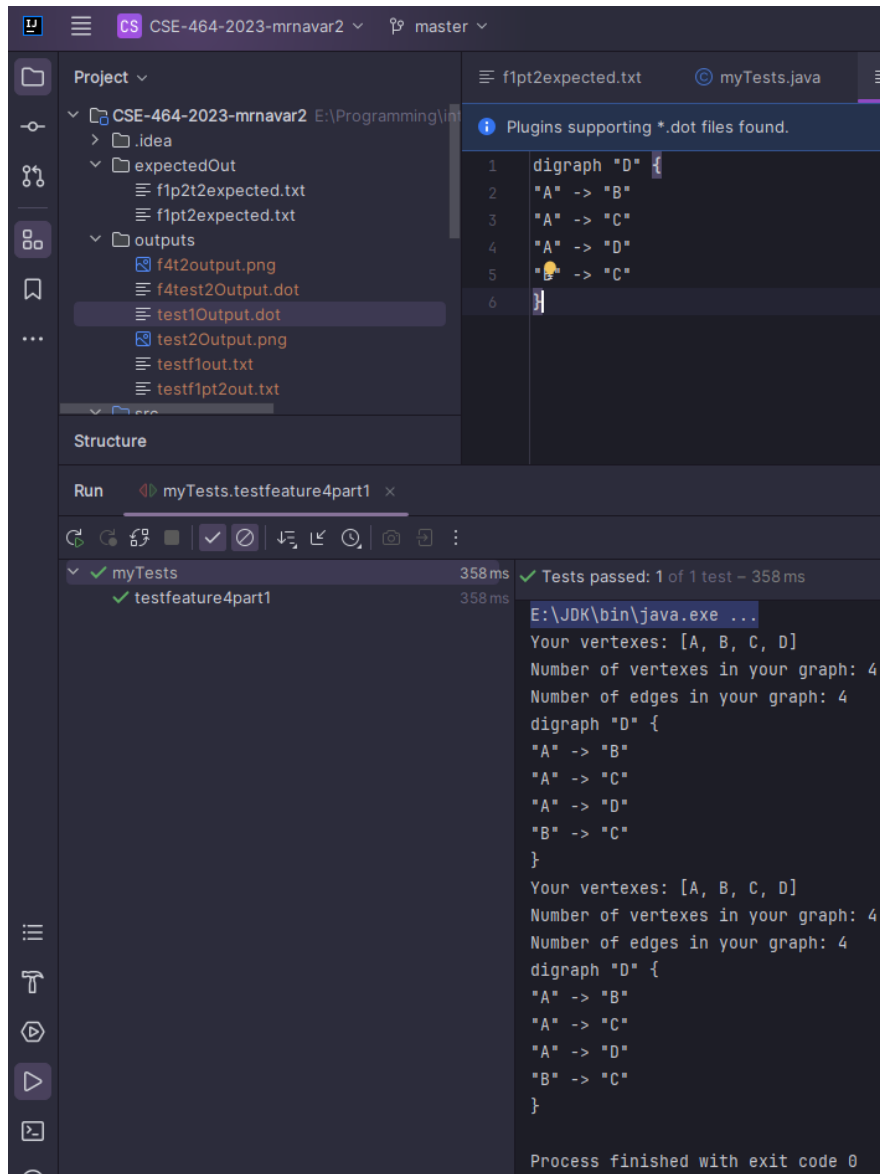
Feature 2 pt 2:

✓ myTests	356 ms	✓ Tests passed: 1 of 1 test – 356 ms
✓ testfeature2pt2	356 ms	<pre>E:\JDK\bin\java.exe ... Your vertexes: [A, B, C, D, E, F, G] Number of vertexes in your graph: 7 Number of edges in your graph: 3 digraph "D" { "E" "F" "G" "A" -> "B" "A" -> "C" "A" -> "D" }</pre> <p>Process finished with exit code 0</p>

Feature 3:

✓ myTests	375 ms	✓ Tests passed: 1 of 1 test – 375 ms
✓ testfeature3	375 ms	<pre>E:\JDK\bin\java.exe ... Your vertexes: [A, B, C, D] Number of vertexes in your graph: 4 Number of edges in your graph: 4 digraph "D" { "A" -> "B" "A" -> "C" "A" -> "D" "B" -> "C" }</pre> <p>Process finished with exit code 0</p>

Feature 4pt1:



Feature 4 pt 2:

CS CSE-464-2023-mrnavar2 master

Project

- f1p2t2expected.txt
- f1pt2expected.txt
- outputs
 - f4t2output.png
 - f4test2Output.dot
 - test1Output.dot
 - test2Output.png
 - testf1out.txt
 - testf1pt2out.txt
- src
 - main

Structure

Run myTests.testfeature4part2

myTests 1 sec 488 ms ✓ Tests passed: 1 of 1 test - 1 sec 488 ms

testfeature4part2 1 sec 488 ms

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

Process finished with exit code 0

