1218885590
Test cases are given in test folder located in the project folder ProjectTest1 should include all the unit testing.
Github:
https://github.com/Sgomez47-ASU/CSE464-2023-Sgomez47
Tree Branch BFS:
https://github.com/Sgomez47-ASU/CSE464-2023-Sgomez47/tree/bfs
Tree Branch DFS:
https://github.com/Sgomez47-ASU/CSE464-2023-Sgomez47/tree/dfs
Expected outputs:
Expected for feature 4 testOuputDotGraph

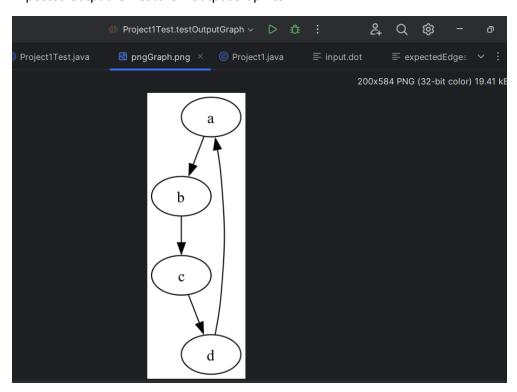
Salvador Gomez

Expected output or feature 2 addNode

Expected output for feature 2 addNodes

Expected output for feature 3 addEdge

Expected output for feature 4 outputGraphics



Expected Output for removeNode

```
Number of Nodes: 6
Nodes: [Node1, Node3, a, b, c, d]
Number of Edges: 4

digraph {
"Node3"
"Node1"
"c" -> "d"
"d" -> "a"
"a" -> "b"
"b" -> "c"
}
```

Expected Output for removeNodes

```
Number of Nodes: 5
Nodes: [Node3, a, b, c, d]
Number of Edges: 4

digraph {
"Node3"
"c" -> "d"
"d" -> "a"
"a" -> "b"
"b" -> "c"
}
```

Expected output for removeEdge

```
Number of Nodes: 6
Nodes: [Node1, Node2, a, b, c, d]
Number of Edges: 5

digraph {
"a" -> "b"
"b" -> "c"
"c" -> "d"
"d" -> "a"
"Node2" -> "Node1"
}
```

The error files like removeNodeError, removeNodesError, and removeEdgeError should all return the error message into the terminal. As well as just compare the output

e does not exist in graph
e does not exist in graph

Edge from a to e does not exist

Github Commits:

Feature 1:

https://github.com/Sgomez47-ASU/CSE464-2023-Sgomez47/tree/13da5df15d70f137599f0d0548c08deca4fbdecf

Feature 2:

https://github.com/Sgomez47-ASU/CSE464-2023-Sgomez47/tree/82dfd0cf6478be38794919aa65f49d4b758ccca6

Feature 3:

https://github.com/Sgomez47-ASU/CSE464-2023-Sgomez47/tree/66fa44ecc89a2b389f3e56fd61a6584742bd2ac1

Feature 4:

https://github.com/Sgomez47-ASU/CSE464-2023-Sgomez47/tree/21d75d8c94ba273ff7bbd3bed34fe07e4f2d3cc1

Feature Remove:

https://github.com/Sgomez47-ASU/CSE464-2023-Sgomez47/tree/52c998e285aa93415b7ad7906e72960d2268cbeb