CSE 464 Project 2 Readme document

command on how to run: mvn package

Command to clean: mvn clean

command to compile: mvn compile

Step:1

Added 3 new APIs and their test cases to support removing nodes and edges

- Remove a node API (5 points): removeNode(String label)
- Remove nodes API (5 points): removeNodes(String[] label)
- Remove an edge API (10 points): removeEdge(String srcLabel, String dstLabel)

```
public void removeNode(String label) {
    if (!nodes.contains(label)) {
        throw new NoSuchElementException("Node '" + label + "' does not exist.");
    }
    nodes.remove(label);
    edges.removeIf(edge -> edge[0].equals(label) || edge[1].equals(label));
}

public void removeNodes(String[] labels) {
    for (String label : labels) {
        removeNode(label);
    }
}

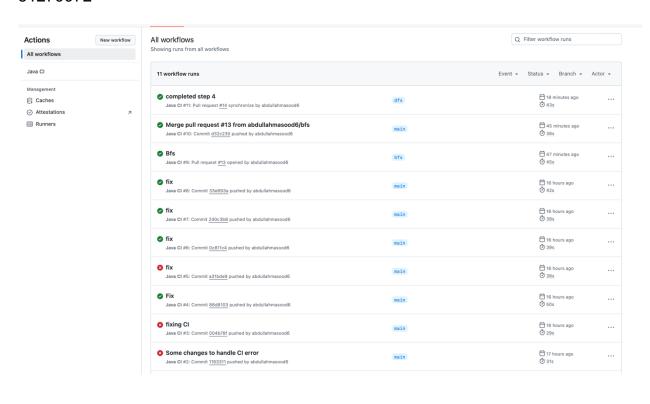
public void removeEdge(String srcLabel, String dstLabel) {
    boolean removed = edges.removeIf(edge -> edge[0].equals(srcLabel) && edge[1].equals(dstLabel));
    if (!removed) {
        throw new NoSuchElementException("Edge from '" + srcLabel + "' to '" + dstLabel + "' does not exist.");
    }
}
```

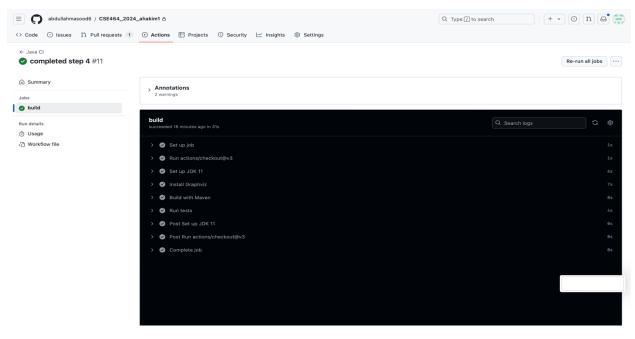
```
### Property of the tathddown() {
    String sended = """
    String sended = "";
    String sended =
```

Step 2:

Adding continuous integration support for your GitHub project:

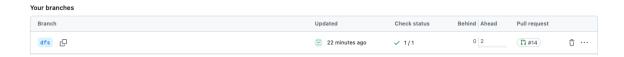
links:https://github.com/abdullahmasood6/CSE464_2024_ahakim1/actions/runs/117 51279972



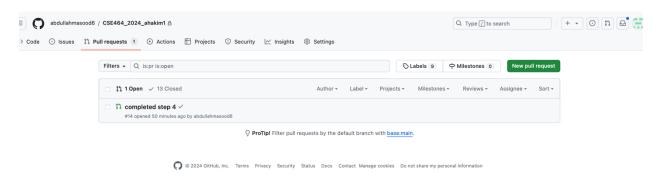


Created branch bfs:





Step 5: merged the bfs branch first and then dfs.



Testing all the work at the end using mvn package