

ReadMe

1) Branch dfs and bfs

Repository: DhavalPatodiya / CSE-464-2023-dpatodiy (Private)

Navigation: Code, Issues, Pull requests (1), Actions, Projects, Wiki, Security, Insights, Settings

Search branches... Overview | Yours | Active | Stale | All branches | New branch

Default branch

main Updated 19 minutes ago by Dhaval Patodiya ✓ Default

Your main branch isn't protected
Protect this branch from force pushing or deletion, or require status checks before merging. [Learn more](#) Dismiss Protect this branch

Your branches

Branch	Updated	By	Status	Commits	Actions
dfs	Updated 23 minutes ago	DhavalPatodiya	✓	3 1	#2 Open
bfs	Updated 5 days ago	DhavalPatodiya	✓	1 0	#1 Merged

Active branches

Branch	Updated	By	Status	Commits	Actions
dfs	Updated 23 minutes ago	DhavalPatodiya	✓	3 1	#2 Open
bfs	Updated 5 days ago	DhavalPatodiya	✓	1 0	#1 Merged

2) Merge conflict of branch dfs in main after merging main

- DFS commit for merge conflict: <https://github.com/DhavalPatodiya/CSE-464-2023-dpatodiy/commit/d9236e237d869801807f3d0f04bb010ce64f5103>

Open DhavalPatodiya wants to merge 2 commits into main from dfs

Conversation | Commits (2) | Checks (1) | Files changed (3) | +77 -0

DhavalPatodiya commented 29 minutes ago
No description provided.

DhavalPatodiya added 2 commits 32 minutes ago

- DFS ✓ 383fe14
- dfs algo ✓ d9236e2

Add more commits by pushing to the dfs branch on DhavalPatodiya/CSE-464-2023-dpatodiy.

All checks have passed
1 successful check

This branch has conflicts that must be resolved
Use the [web editor](#) or the [command line](#) to resolve conflicts.

Conflicting files

- src/main/java/GraphManager.java
- src/main/java/Path.java
- test/GraphManagerTest.java

Resolve conflicts

Merge pull request | You can also open this in GitHub Desktop or view command line instructions.

Reviewers: 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

3) Merging BFS to Main before merging DFS.

- BFS commit of merge: <https://github.com/DhavalPatodiya/CSE-464-2023-dpatodiy/commit/33fed0162f675180bda398279f99597e392bc4fe>

Bfs #1

Merged

DhavalPatodiya merged 2 commits into `main` from `bfs` 18 minutes ago

Conversation 0

Commits 2

Checks 1

Files changed 5

+103 -11

DhavalPatodiya commented 18 minutes ago

- Merging bfs to main

...

DhavalPatodiya added 2 commits 5 days ago

BFS

✓ d798164

Changing return type of API

✓ 33fed01

DhavalPatodiya merged commit 6851f1c into `main` 18 minutes ago

1 check passed

View details

Revert

Pull request successfully merged and closed

You're all set—the `bfs` branch can be safely deleted.

Delete branch

Write

Preview

H B I ↵ > 🔗 ☰ ☷ @ ↶ ↷

Leave a comment

Customize

- 4) Github CI setup properly and successful runs:
- Commit id of first successful run : <https://github.com/DhavalPatodiya/CSE-464-2023-dpatodiy/commit/724819bdf576dc7b620c351d493587eaf0740e4f>
 - First failed run : <https://github.com/DhavalPatodiya/CSE-464-2023-dpatodiy/commit/d5714c3085fd200d805670916ce16c686817df48>

Conversation 0

Commits 3

Checks 1

Files changed 5

+71 -24

DhavalPatodiya commented 1 hour ago

...

No description provided.

😊

📄

DhavalPatodiya added 3 commits 1 hour ago

DFS

383fe14

✓

dfs algo

d9236e2

✓

resolving conflicts

de7f876

✓

Add more commits by pushing to the **dfs** branch on **DhavalPatodiya/CSE-464-2023-dpatodiy**.

🔒

Require approval from specific reviewers before merging

Add rule

×

Branch protection rules

ensure specific people approve pull requests before they're merged.

✓

All checks have passed

Show all checks

1 successful check

✓

This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

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

Reviewers

No reviewers

Still in progress? Learn about draft PRs

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Customize

🔔

Unsubscribe

You're receiving notifications because you're watching this repository.

- ### 5) Resolved Conflicts
- Commit id: <https://github.com/DhavalPatodiya/CSE-464-2023-dpatodiy/pull/2/commits/de7f8761a6fe6e84d39e3eee3c944a44b3affac1>

DhavalPatodiya / CSE-464-2023-dpatodiy Private

Unwatch 1 Fork 0 Star 0

Code Issues Pull requests 1 Actions Projects Wiki Security Insights Settings

Java CI

✓ Merge pull request #1 from DhavalPatodiya/bfs #21 Re-run all jobs

Summary

Jobs

✓ build

Run details

Usage

Workflow file

build
succeeded 20 minutes ago in 22s

Search logs

- Set up job 1s
- Run actions/checkout@v3 1s
- Set up JDK 20 7s
- Build with Maven 12s
- Post Set up JDK 20 8s
- Post Run actions/checkout@v3 8s
- Complete job 8s

Instructions and example code

I have written test cases providing the expected value and actual values explaining with comments. I am attaching the screenshot of test cases here providing detailed explanations:

- 1) BFS algo with path found:

```
// a-d path exists
@Test
public void bfsPathFound() throws Exception{
    String expected = "a->b->c->d";
    Path actual = g.graphSearch( src: "a", dst: "d", algo: "BFS");
    Assert.assertTrue(expected.equals(actual.toString()));
}
```

- 2) BFS algo with path not found from node itself to node itself: As once we leave the node we can't reach it meaning there is no cycle from a to a.

```
//from a to a there is no path like a->b->a, there is no path to return to a once you leave a
@Test
public void bfsPathNotFound() throws Exception{
    Path actual = g.graphSearch( src: "a", dst: "a", algo: "BFS");
    Assert.assertNull(actual);
}
```

- 3) BFS algo When path doesn't exist as node f doesn't exist

```

3
7 // a-f path doesn't exists as f doesn't exists.
9 @Test
10 public void bfsPathNotFoundNode() throws Exception{
11     Path actual = g.graphSearch( src: "a", dst: "f", algo: "BFS");
12     Assert.assertNull(actual);
13 }

```

4) DFS algo with path exists between src and dst.

```

5 //b-e path exists
7 @Test
8 public void dfs() throws Exception{
9     String expected = "b->c->d->e";
10    Path actual = g.graphSearch( src: "b", dst: "e", algo: "DFS");
11    Assert.assertEquals(expected, actual.toString());
12 }

```

5) DFS algo with path not found from node itself to node itself: As once we leave the node we can't reach it meaning there is no cycle from a to a.

```

//from a to a there is no path like a->b->a. there is no path to return to a once you leave a
@Test
public void dfsPathNotFound() throws Exception{
    Path actual = g.graphSearch( src: "a", dst: "a", algo: "BFS");
    Assert.assertNull(actual);
}

```

6) DFS algo with node doesn't exists will return null. a-g path is not present as there is no node g.

```

// a-g path doesn't exists as f doesn't exists.
@Test
public void dfsPathNodeNotFound() throws Exception{
    Path actual = g.graphSearch( src: "a", dst: "g", algo: "BFS");
    Assert.assertNull(actual);
}

```

7) IllegalArgumentException thrown when algo is other than DFS or BFS.

```

//IllegalArgumentException thrown when algo is other than enum
@Test(expected= IllegalArgumentException.class)
public void invalidEnumName() throws Exception{
    System.out.println(g.graphSearch( src: "b", dst: "e", algo: "DMS"));
}

```

8) NullPointerException thrown when algo is null.

```
73
74 //NullPointerException thrown when algo is null
75 @Test(expected= NullPointerException.class)
76 public void algoNameIsNull() throws Exception{
77     System.out.println(g.graphSearch( src: "b", dst: "e", algo: null));
78 }
79
```

Git Commit TimeLine

Commit Message	Branch	Author	Time
Update README.md	origin & main	Dhaval Patodiya*	Moments ago
Adding Readme For Project Part-2		DhavalPatodiya	2 minutes ago
Merge pull request #2 from DhavalPatodiya/dfs		Dhaval Patodiya*	21 minutes ago
Adding comments	origin & dfs	DhavalPatodiya	21 minutes ago
Bug Fix		DhavalPatodiya	Today 18:41
resolving conflicts		DhavalPatodiya	Today 17:35
dfs algo		DhavalPatodiya	Today 17:04
Merge pull request #1 from DhavalPatodiya/bfs		Dhaval Patodiya*	Today 16:35
DFS		DhavalPatodiya	Today 16:32
Changing return type of API	origin & bfs	DhavalPatodiya	24/03/23, 00:57
BFS		DhavalPatodiya	24/03/23, 00:48
testing changes		DhavalPatodiya	23/03/23, 23:46
testing changes		DhavalPatodiya	23/03/23, 23:42
testing changes		DhavalPatodiya	23/03/23, 23:34
testing changes		DhavalPatodiya	23/03/23, 23:31
getting file structure		DhavalPatodiya	23/03/23, 23:26
getting file structure		DhavalPatodiya	23/03/23, 23:21
getting file structure		DhavalPatodiya	23/03/23, 19:02
getting file structure		DhavalPatodiya	23/03/23, 18:59
getting file structure		DhavalPatodiya	23/03/23, 18:58
changing file structure		DhavalPatodiya	23/03/23, 18:55
changing file structure		DhavalPatodiya	23/03/23, 18:52