Test Plan

Introductions

Explaining Test Data

(We should pick a star most people know. North star?)

Show the data structure of the BST, Hashing function and Linked Stack, explaining how each one works by adding data and deleting data.

-Demo

1. Delete a star( Should be a common star. Maybe North Star?)

-Will state successful.

2. Now search for that recently deleted star.

-Will show up as nonexistent.

3. Undo deletion.

-State successful

4. Second search for that same star.

-Will print information about that star.

5. Now try to re add the north star into the file

- will state it already exists

6. Delete North Star Again

-Will state successful

7. Save data.

-Clears Stack. Saves to new file

8. Undo deletion

-Will state nothing to undo

9. Print by hash list

- Will show no North Star Present.

10. Delete a fake star

- doesn’t exists

11. Add fake star into the data. (I think name should be first so it can be found easily in the indented tree.

-successful

12.Print Indented Tree

-Find fake star. Maybe show some other stars in the tree.

13. Delete fake star

-Is successful.

14. Close program.

15. Reopen program

16 Try to use undo

-will state there is nothing to undo

17. Try to re add fake star

-will state it already exists.

- Demonstrates that you have to save for changes to take place.

18. List data by BST.

- Shows fake star that wasn’t deleted.

19. Quit Program

20. Reopen in debug view. (This is an optional piece. If you feel like we will explain the data well enough in the PPT we won’t have to do these steps. We can just print hash statics as step 19 and explain the importance of each one there.)

21. Select add data

22. Add data that will show collisions.

23. Walk through both hash function and collision resolution.(Step by Step)

24 Print Hash Statics and explain the importance.

End Demo