CSC 230 Project 3: Technical Support Calls

Steven Turner N00836867

December 20, 2016

1   How do your two hash functions generate hash codes?

I used the String classes Hash code function and the one that takes the first letter of the first name and last name and adds them to the total length of the name.

2   How many different strings did you add to your hash table during testing? Do you feel that you tested your code sufficiently?

I tested around 40/50 different strings. I would say that to be sure, maybe I could have used close to 100 different strings, but I feel that the testing I did was sufficient

3   Was one hash function "better" than the other? Could you describe either as performing a search in O(1) time? Explain

I would say that between the two hash functions I used, the one that is from the String class itself is probably better than mine. Mine creates a hash code from the by adding the ASCII value from the first letter of the first and last name and adds them to the total length of the name and I personally feel that there is still a higher change of collision. I wouldn't say that any of them could run in O(1) but it probably is really really close to that.

4   What help did you receive, and from whom, while working on this assignment?

I didn't receive any help during the project. This is all my own work.

5 What was the worst part of this project?

I don't want this to seem like a cop out, but I didn't really struggle with this project at all. I thought all in all, it was a pretty fair project.