Design Document (Draft)

Assignment 7

Note

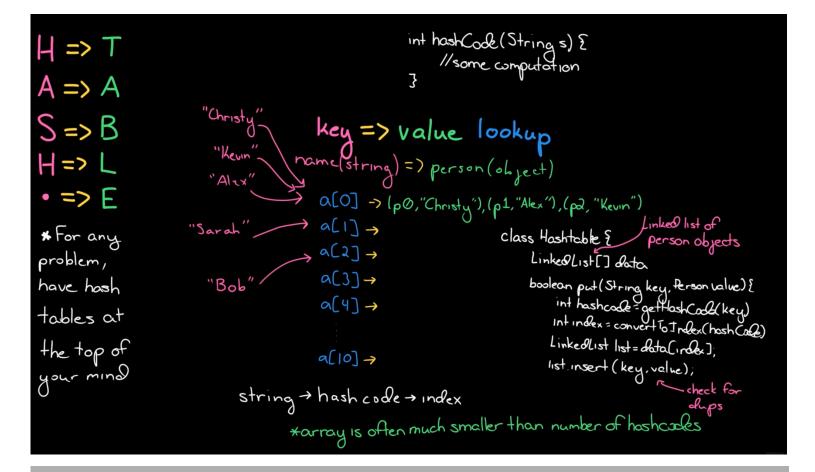
I am still in the early stages of this assignment, so naturally, my design material is not yet exhaustive

Purpose

Create a program that will censor words in a given infile and write a punishment message to outfile

Pseudocode

- Parse command-line arguments
- Create Bloom filter and hash table
 - Initialize Bloom filter
 - Initialize hash table
 - Add each word in badspeak.txt to Bloom filter and hash table
 - Add each word in oldspeak.txt to Bloom filter and add both words in oldspeak.txt and newspeak.txt to hash table
- Read words from infile
 - If word is not in Bloom filter then move on
 - Otherwise, check for thoughtcrime and write message to outfile accordingly



- 1. Create Bloom Filter and Hash table from badspeak.txt and newspeak.txt
- 3. Read infile
- 4. Write to outfile

Hash function given a string, get a completely unique number

key: value

Database insert a key and its value search and fetch value given a key Delete key and its value

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