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Project 4 Report

In my project I used a Hash Table (that I made), and the occasional list. In the Hash Table, I had a vector<list<unsigned long>>, with the vector having a size of approximately 10223 (which is a prime number). These would store N bytes of characters (N depends on the size of the string) and would be stored at each index of the vector in a linked list. The hash table had simple functions such as getIndex(…) which returned a linked list of potential matches for a given N byte characters, and also had some functions for testing such as print(…). Besides that, my createDelta(…) used lists on occasion so that I could push\_front(…), push\_back(…), pop\_front(…), pop\_back(…) with ease (since it is implemented as a linked list).