REPORT ASSIGNMENT SPELLCHECKER

The decisions made in the hashtable class are follows:

1. The array size of the hashtable was chosen as a prime number in order to decrease the number of collisions.
2. The second hashfunction was created using a prime number as well in order to decrease the no of collisions.
3. Recursive strategy is used in all the functions
4. The precautions taken in the insert function are:
    i. Duplications are avoided
    ii. A track of the total no of elements in the hashtable is kept in order to check whether enough memory is free
    iii. Incase of too many collisions than the tablesize the function returns without inserting
5. The precautions taken in the search function are:
    i. Incase of too many collisions than the tablesize the function returns false
    ii. The function even takes care of the "delete" placed by the remove function
6. The precautions taken in the search function are:
    i. The function first checks whether the string is present in the hashtable
    ii. The number of elements is decreased.

The design decisions taken in the spellchecking functions:
The three functions implemented are :

1. Checkswap
2. Checkdelete
3. Checksplit

In all of these functions it is taken care that duplicate printing of the data is avoided

The code is properly commented in order to help you through the logic .