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CSC 230
Project 2 Pseudocode
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algorithm manageData is

```
    input: starting character from file,  
           SSN from file,  
           name from file  
    output: insertion count, deletion count, retrieval count, number of entries in list,  
           elapsed time  
    if starting character is equal to i (for insert)  
        call DLL insert function;  
        if SSN does not exist in the list  
            insert the SSN and name into the list;  
            increment the insertion count and the entry count;  
            return true;  
        else  
            return false  
    if starting character is equal to d (for delete)  
        call DLL remove function;  
        if SSN exists in the list  
            delete the SSN and name in the list;  
            increment the deletion count and decrement the entry count;  
            return true;  
        else  
            return false;  
    if starting character is equal to r (for retrieval)  
        call DLL search function  
        if SSN exists in the list  
            return the index;  
            increment retrieval count; (in main function)  
        if SSN does not exist in the list  
            return -1;
```