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CSC 230
Project 4 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 HashTable insert function;
                in HashTable insert function call SLL search function using hashing index;
                if search functions returns nullptr (SSN does not exist in HashTable)
                        call SLL insert function using hashing index;
                        return true;
                        increment insertion count; (in main function)
                else (SSN exists in HashTable)
                        return false;
        if starting character is equal to d (for delete)
                call HashTable erase function;
                in HashTable erase function call SLL remove function using hashing index;
                if remove function returns true (SSN was removed)
                        return true;
                        increment deletion count; (in main function)
                else (SSN was not removed)
                        return false;
        if starting character is equal to r (for retrieval)
                call HashTable find function;
                in HashTable find function call SLL search function using hashing index;
                if search function does not return nullptr (item exists in HashTable)
                        return true;
                        increment retrieval count; (in main function)
                else (item does not exist in HashTable)
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return false;