

## Stock DB Structure Chart

main() calls the following functions:

```
StockDB stockDB;
stockDB.loadDB("stocksDB.txt");
stockDB.mainMenu()
    StockDB::showMenu
    StockDB::showTeam
    StockDB::initDB
    StockDB::loadDB
        HashTable::search
            HashNode::searchItem
                LinkedList::searchList
        BinarySearchTree::insert
        HashTable::insert
            HashNode::addItem
                LinkedList::insertNode
    StockDB::saveToFile
        HashTable::saveToFile
            HashNode::getItems
            LinkedList::getHead
            ListNode::getNext
            ListNode::getItem
    StockDB::displayDB
        BinarySearchTree::inOrder
    StockDB::displayBST
        BinarySearchTree::printTree
    StockDB::displayHash
        HashTable::printHash
            HashNode::getItems
            LinkedList::displayList
    StockDB::addStock
        HashTable::search
            HashNode::searchItem
                LinkedList::searchList
        BinarySearchTree::insert
        HashTable::insert
            HashNode::addItem
                LinkedList::insertNode
    StockDB::searchSymbol
        HashTable::search
            HashNode::searchItem
                LinkedList::searchList
    StockDB::searchCompany
        BinarySearchTree::search
            LinkedList::getLength
            LinkedList::insertNode
    StockDB::deleteSymbol
        HashTable::search
```

```
        HashTable::remove
            HashNode::deleteItem
                LinkedList::deleteNode
        BinarySearchTree::remove
StockDB::deleteCompany
        BinarySearchTree::search
        BinarySearchTree::remove
        HashTable::remove
            HashNode::deleteItem
                LinkedList::deleteNode
StockDB::showStatistics
        HashTable::showStatistics
```