Mod 4 assignment

(Alex Roberts)

The assignment for this week was to write code that imports a list of bids that will go into a hash table. A structure to hold the list of information called a hash table is created by the code and the bids are stored using a key. The keys are then used to search the list of bids. The bids are then able to be found, removed and displayed. I found this assignment to be fairly easy, at least as it goes writing code, and didn’t have much trouble with it. The only problem I had was a syntax error on my part but I got it figured out fairly quickly and continued coding away.

Pseudocode:

Create public Hash Table method

Define methods for Insert, Print, Remove, Search

Resize the HashTable to the size of tableSize

Create a key that relies on tableSize

Create Insert method

Assign current bid node to the key

Search for a node with this key value

If no node exists for this key, assign to current key

Else

While loop to find the next open node

Create Print Method

For all values in the table

Call display bid method and display each value

Create Erase Method

Assign the user entry to the current key

Erase the node that matches that key

Create Search Method

Assign the user entry to the current key

If the list is not empty, point to key

Iterate through the table until the key is found

Return the value