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Module 3 Assignment – Linked List

In this assignment, the goal was to take a CSV file with bid information and turn it into a linked list. The user is first greeted with a menu where they have the choice to enter their own bid, load the CSV file information, display all bids in the CSV file, find a bid, remove a bid, and exit the program. I enjoyed this assignment and I feel that this course has improved my abilities with C++. I think that having to fix up pre-written code is a great way to learn, at least for me.

**Pseudocode**

BEGIN

Display Menu

Option 1: Enter a Bid

Option 2: Load Bids

Option 3: Display All Bids

Option 4: Find Bid

Option 5: Remove Bid

Option 9: Exit

Prompt user to make a selection

IF choice is 1:

Call getBid() to get the new bid information from the user

Call bidList.Append(bid) to add the new bid information to the list

Call displayBid(bid) to display the formatted bid

BREAK

IF choice is 2:

Start clock ticks

Load bids from the CSV file

Display the number of bids loaded

Stop the clock ticks and calculated the elapsed time

Display the time in clock ticks and seconds

BREAK

IF choice is 3:

Call bidList.PrintList() to print all bids from the CSV file

BREAK

IF choice is 4:

Start the clock ticks

Call bidList.Search(bidKey) to search for a bid by its ID

Stop the clock and calculate elapsed time

IF bid is found:

Call displayBid(bid) to display the bid

ELSE:

Display “Bid Id not found.”

Display the elapsed time in clock ticks and seconds

BREAK

IF choice is 5:

Call bidList.Remove(bidKey) which removes a bid from the list by its ID

BREAK

IF choice is 9:

Exit the program

END