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\* Capstone.hpp

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\* Created on: Apr 14, 2020

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#ifndef CAPSTONE\_HPP\_

#define CAPSTONE\_HPP\_

#include <algorithm>

#include <iostream>

#include <time.h>

#include "CSVparser.hpp"

using namespace std;

double strToDouble(string str, char ch);

struct Bid {

string bidId; // unique identifier

string title;

string fund;

double amount;

Bid() {

amount = 0.0;

}

};

/\*

\* Prompt user for bid information using console (std::in)

\*

\* @return Bid struct containing the bid info

\*/

Bid getBid() {

Bid bid;

cout << "Enter Id: ";

cin.ignore();

getline(cin, bid.bidId);

cout << "Enter title: ";

getline(cin, bid.title);

cout << "Enter fund: ";

cin >> bid.fund;

cout << "Enter amount: ";

cin.ignore();

string strAmount;

getline(cin, strAmount);

bid.amount = strToDouble(strAmount, '$');

return bid;

}

/\*\*

\* Simple C function to convert a string to a double

\* after stripping out unwanted char

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\* credit: http://stackoverflow.com/a/24875936

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\* @param ch The character to strip out

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double strToDouble(string str, char ch) {

str.erase(remove(str.begin(), str.end(), ch), str.end());

return atof(str.c\_str());

}

/\*\*

\* Display the bid information to the console (std::out)

\*

\* @param bid struct containing the bid info

\*/

void displayBid(Bid bid) {

cout << bid.bidId << ": " << bid.title << " | " << bid.amount << " | "

<< bid.fund << endl;

return;

}

#endif /\* CAPSTONE\_HPP\_ \*/