//============================================================================

// Name : Lab1-3.cpp

// Author : Your Name

// Version : 1.0

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// Description : Lab 1-3 Up to Speed in C++

//============================================================================

#include <algorithm>

#include <iostream>

using namespace std;

//============================================================================

// Global definitions visible to all methods and classes

//============================================================================

// FIXME (1): Define a data structure to hold bid information together as a single unit of storage.

?type?

// FIXME (4): Display the bid values passed in data structure

/\*\*

\* Display the bid information

\*

\* @param ?type? data structure containing the bid info

\*/

void displayBid(?type? ?variable?) {

cout << "Title: " << ?variable? << endl;

cout << "Fund: " << ?variable? << endl;

cout << "Vehicle: " << ?variable? << endl;

cout << "Bid Amount: " << ?variable? << endl;

return;

}

// FIXME (3): Store input values in data structure

/\*\*

\* Prompt user for bid information

\*

\* @return data structure containing the bid info

\*/

?retval? getBid() {

?type? ?variable?;

cout << "Enter title: ";

cin.ignore();

getline(cin, ?variable?);

cout << "Enter fund: ";

cin >> ?variable?;

cout << "Enter vehicle: ";

cin.ignore();

getline(cin, ?variable?);

cout << "Enter amount: ";

cin.ignore();

string strAmount;

getline(cin, strAmount);

?variable? = strToDouble(strAmount, '$');

return ?retval?;

}

/\*\*

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

\* after stripping out unwanted char

\*

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

\*

\* @param ch The character to strip out

\*/

double strToDouble(string str, char ch) {

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

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

}

/\*\*

\* The one and only main() method

\*/

int main() {

// FIXME (2): Declare instance of data structure to hold bid information

?type? ?variable?

// loop to display menu until exit chosen

int choice = 0;

while (choice != 9) {

cout << "Menu:" << endl;

cout << " 1. Enter Bid" << endl;

cout << " 2. Display Bid" << endl;

cout << " 9. Exit" << endl;

cout << "Enter choice: ";

cin >> choice;

// FIXME (5): Complete the method calls then test the program

switch (choice) {

case 1:

?variable? = getBid();

break;

case 2:

displayBid(?variable?);

break;

}

}

cout << "Good bye." << endl;

return 0;

}