//KariAnn Harjo

// COSC 1437 Program 4

#include <iostream>

#include <string>

using namespace std;

class PersonData {

private:

string lastName;

string firstName;

string address;

string city;

string state;

string zip;

public:

// Accessor functions

string getLastName() const {

return lastName;

}

string getFirstName() const {

return firstName;

}

string getAddress() const {

return address;

}

string getCity() const {

return city;

}

string getState() const {

return state;

}

string getZip() const {

return zip;

}

// Mutator functions

void setLastName(const string& lastName) {

this->lastName = lastName;

}

void setFirstName(const string& firstName) {

this->firstName = firstName;

}

void setAddress(const string& address) {

this->address = address;

}

void setCity(const string& city) {

this->city = city;

}

void setState(const string& state) {

this->state = state;

}

void setZip(const string& zip) {

this->zip = zip;

}

};

class CustomerData : public PersonData {

private:

int customerNumber;

bool mailingList;

public:

// Accessor functions

int getCustomerNumber() const {

return customerNumber;

}

bool getMailingList() const {

return mailingList;

}

// Mutator functions

void setCustomerNumber(int customerNumber) {

this->customerNumber = customerNumber;

}

void setMailingList(bool mailingList) {

this->mailingList = mailingList;

}

};

int main() {

CustomerData customer;

/\*

// Set customer data using mutator functions

customer.setLastName("Harjo");

customer.setFirstName("KariAnn");

customer.setAddress("123 Main St");

customer.setCity("Paris");

customer.setState("TX");

customer.setZip("55555");

customer.setCustomerNumber(1);

customer.setMailingList(true);

\*/

// Set customer data using mutator functions

customer.setLastName("Bet");

customer.setFirstName("Alpha");

customer.setAddress("123 Main St");

customer.setCity("Worthington");

customer.setState("TX");

customer.setZip("44444");

customer.setCustomerNumber(1);

customer.setMailingList(false);

// Display customer data using accessor functions

cout << "Customer Data:" << endl;

cout << "Last Name: " << customer.getLastName() << endl;

cout << "First Name: " << customer.getFirstName() << endl;

cout << "Address: " << customer.getAddress() << endl;

cout << "City: " << customer.getCity() << endl;

cout << "State: " << customer.getState() << endl;

cout << "ZIP: " << customer.getZip() << endl;

cout << "Customer Number: " << customer.getCustomerNumber() << endl;

cout << "Mailing List: " << (customer.getMailingList() ? "Yes" : "No") << endl;

return 0;

}

