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Online apartment sale system

MLB\_WE \_01.02\_05

#include <cstring>

#include <iostream>

#define SIZE 4

using namespace std;

class Apartment;

class RentalHouse;

class User;

class Seller;

class Buyer;

class Renter;

class Payment;

class Admin;

//Seller class

class Seller : public User {

protected:

int sellerID;

private :

Buyer \*buyer; // an object of Buyer as attribute of Seller

Apartment \*ap[SIZE]; // an object of Apartment as attribute of Seller

public:

Seller() {}

Seller(string Sname, string Saddress, int Sage, int Sid) {

name = Sname;

address = Saddress;

age = Sage;

sellerID = Sid;

}

Seller(int no1, int no2,int no3, int no4) {

ap[0] = new Apartment(no1);

ap[1] = new Apartment(no2);

ap[2] = new Apartment(no3);

ap[3] = new Apartment(no4);

}

void DisplaySeller() {

for (int i=0; i<SIZE; i++)

ap[i]->Display();

}

void display() {

cout << "this is Seller class. "

<< "Derived class from User" << endl;

}

void addNewApartment() {}

void viewBuyerRequst() {}

void payAdvertiseFees() {}

void displayDetails() {

cout << name << " " << address << " " << age << " " << sellerID << endl;

}

~Seller() {

cout << "Seller object closing " << endl;

for (int i=0; i<SIZE; i++)

delete ap[i];

cout << "Everthing is deleted in Apartment class" << endl;

}

};

//Renter class

class Renter : public User {

protected:

int renterID;

private:

Buyer \*buy; // an object of Buyer as attribute of Renter

RentalHouse \*renh[SIZE];

public:

Renter() {}

Renter(string Rname, string Raddress, int Rage, int Rid) {

name = Rname;

address = Raddress;

age = Rage;

renterID = Rid;

}

Renter(int no1, int no2,int no3, int no4) {

renh[0] = new RentalHouse(no1);

renh[1] = new RentalHouse(no2);

renh[2] = new RentalHouse(no3);

renh[3] = new RentalHouse(no4);

}

void display() {

cout << "this is the Renter class. "

<< "Derived class from User. " << endl;

}

void DisplayRenter() {

for (int i=0; i<SIZE; i++)

renh[i]->Display();

}

void addNewRentalhouse() {}

void viewBuyerRequst() {}

void payAdvertiseFees() {}

void displayDetails() {

cout << name << " " << address << " " << age << " " << renterID << endl;

}

~Renter() {

cout << "Renter object closing " << endl;

for (int r=0; r<SIZE; r++)

delete renh[r];

cout << "Everthing is deleted in Rental house class" << endl;

}

};