Лабораторна робота 7(3)

Варіант 18 (завдання 1.3)

#include <iostream>

#include <string>

#include <vector>

#include <unordered\_set>

class Product {

public:

std::string name;

double price;

Product(std::string name, double price) : name(name), price(price) {}

};

class Order {

public:

std::vector<Product> products;

double total\_price;

Order(std::vector<Product> products) : products(products) {

total\_price = 0;

for (const auto& product : products) {

total\_price += product.price;

}

}

};

class ProductExpert {

public:

std::unordered\_set<std::string> blacklist;

void registerSale(const Order& order, bool is\_paid) {

if (!is\_paid) {

for (const auto& product : order.products) {

blacklist.insert(product.name);

}

}

}

};

int main() {

std::vector<Product> products = {

Product("Телефон", 9999.99),

Product("Ноутбук", 19999.99),

Product("Планшет", 7999.99),

Product("Монітор", 5999.99),

Product("Клавіатура", 999.99)

};

std::vector<Product> order\_products = {products[0], products[2], products[4]};

Order order(order\_products);

bool is\_paid = true;

ProductExpert expert;

expert.registerSale(order, is\_paid);

std::cout << "Список неплатників: ";

for (const auto& name : expert.blacklist) {

std::cout << name << ", ";

}

std::cout << std::endl;

return 0;

}