**Final Project PDF:**

[**HospitalSystemFinalProject.pdf**](https://drive.google.com/open?id=1yF0X8mxAESLDQPnrVgTEyXbdETzZqLJt)

**Files needed for the project:**

• Main **/ main.cpp**

• PatientAccount class declaration **/ PatientAccount.cpp**

• PatientAccount function definitions **/ PatientAccount.h**

• Surgery class declaration **/ Surgery.cpp**

• Surgery function definitions **/ Surgery.h**

• Pharmacy class declaration **/ Pharmacy.cpp**

• Pharmacy function definitions **/ Pharmacy.h**

**Read Me File Link:** [**https://github.com/MartianSpaceFox/COP\_Final\_HealthCareSys/blob/master/README.md**](https://github.com/MartianSpaceFox/COP_Final_HealthCareSys/blob/master/README.md)

**GitHub link:** [**https://github.com/MartianSpaceFox/COP\_Final\_HealthCareSys**](https://github.com/MartianSpaceFox/COP_Final_HealthCareSys)

**Links to JFK Hospital Pricing:**

**Uninsured Pricing:** [**https://jfkmc.com/patient-financial/pricing**](https://jfkmc.com/patient-financial/pricing)

**Insured Pricing/Detailed Price list :** [**https://jfkmc.com/about/legal/detail-price-list.dot**](https://jfkmc.com/about/legal/detail-price-list.dot)

**Team Members/Sections:**

**Jessica Nachtman - main.cpp author, output designer, GitHub/Repl.it version control repository and general documentation. Testing.**

**Christian Rodriquez - Surgery.h and Surgery.cpp files author. Testing.**

**Gel Ocampo - Pharmacy class and function / Pharmacy.h and .cpp files author. Testing.**

**Zachary Morris - PatientAccount class and function. PatientAccount.h and .cpp files author. Testing.**

**Assignment Name: Hospital System Final Project**

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**Changelog**

**LINK:** [**https://repl.it/@ChristianRodr12/MajorTriangularMacrolanguage**](https://repl.it/@ChristianRodr12/MajorTriangularMacrolanguage)

**#include <iostream>**

**#include<iomanip>**

**using namespace std;**

**class Surgery {**

**public:**

**double surgeryCost(char);**

**private:**

**char answer;**

**int choice;**

**double amount = 0;**

**};**

**double Surgery::surgeryCost(char answer) {**

**if (answer == 'y') {**

**cout << "Please enter the surgery type" << endl;**

**cout << "1 - Minor surgery $ 600" << endl;**

**cout << "2 - Eye surgery $ 1,250" << endl;**

**cout << "3 - Knee replacement $ 6,000" << endl;**

**cout << "4 - Heart surgery $12,000" << endl;**

**cout << "5 - Brain surgery $28,000" << endl;**

**cin >> choice;**

**while (choice < 1 || choice > 5) {**

**cout << "Invalid input." << endl;**

**cout << "Please input 1 to 5" << endl;**

**cin >> choice;**

**}**

**if (choice == 1) {**

**amount = 600;**

**}**

**else if (choice == 2) {**

**amount = 1250;**

**}**

**else if (choice == 3) {**

**amount = 6000;**

**}**

**else if (choice == 4) {**

**amount = 12000;**

**}**

**else if (choice == 5) {**

**amount = 28000;**

**}**

**}**

**return amount;**

**}**

**int main() {**

**Surgery surgery;**

**char answer;**

**double total = 0;**

**cout << "Did you get surgery (y/n)" << endl;**

**cin >> answer;**

**while (answer != 'y' && answer != 'n') {**

**cout << "Invalid input." << endl;**

**cout << "Please input y or n" << endl;**

**cin >> answer;**

**}**

**total = total + surgery.surgeryCost(answer);**

**cout << "Your total is : $" << total;**

**return 0;**

**}**

[**https://repl.it/@MartianSpaceFox/COPFinalHealthCareSys**](https://repl.it/@MartianSpaceFox/COPFinalHealthCareSys)

[**https://repl.it/join/uhuvauwn-angelicaocampo1**](https://repl.it/join/uhuvauwn-angelicaocampo1)

See new drafts for PatientAccount class and functions. It’s on cpp.sh but we can copy it over later. All other classes integrate with this one so make sure you take notes of the different variables to use!

We can also combine these later into one file if needed.

Class definition: <http://cpp.sh/9sthp>

Functions: <http://cpp.sh/42xfpy>

Add changes below if you have any other ideas, we need to set a daily rate and how we are going to see if the patient needs to stay overnight.

**CONCEPT MAIN, UPDATED SURGERY CLASSES AND FUNCTIONS FOR EASY INTEGRATION, PLEASE READ ALL COMMENTS FOR NEEDED THINGS**

Concept Main: <http://cpp.sh/6hfe5>

Updated Surgery.h: <http://cpp.sh/2tbfy>

Updated Surgery.cpp: <http://cpp.sh/9bvcu>

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UPDATED WORKING:

<https://repl.it/@ChristianRodr12/finalC>

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<https://repl.it/@MartianSpaceFox/COPFinalHealthCareSys-1>

Fixed outputs (by Zach)

<https://repl.it/@zach8870/COPFinalHealthCareSys-1>

UPDATED WITH INPUT VALIDATIONS AND MEDICATION LOOP:

<https://repl.it/@ChristianRodr12/COPFinalHealthCareSys-1>

Updated both surgery prices and couts, updated main copies from Zach and Christian. Should be complete. Please test and verify.

<https://repl.it/@MartianSpaceFox/COPFinalHealthCareSys-1>

Last one! Added back loop and made very small aesthetic changes. Test.

<https://repl.it/@zach8870/COPFinalHealthCareSys-1>