

CS 162 Rubric(/55)
Patient Fees

Name:

You are to write a program that computes a patient's bill for a hospital stay. The different components of the program are

The PatientAccount class

The Surgery Class

The Pharmacy class

The main program

- The PatientAccount class will keep a total of the patient's charges. It will also keep track of the number of days spent in the hospital. You can implement a daily rate
- The Surgery class will have stored within it the price of at least five types of surgery. It can update the charges variable of the PatientAccount class.
- The Pharmacy class will have stored within it the price of at least five types of medication. It can update the charges variable of the PatientAccount class.
- The main program will have a menu that allows the user to enter a type of surgery and type of medication, and check the patient out of the hospital. When the patient checks out, the total charges should be displayed.

Please remember to only submit the .cpp files for the problem.

5 points – use of good programming practices (ie. Indents, comments, etc.)

15 points – PatientAccount class

Keeps track of patient charges (5)

Keeps track of days spent (5)

Daily Rate implemented (5)

10 points – Surgery Class

Keeps track of 5 types of surgery (5)

Updates PatientAccount class (5)

10 points – Pharmacy Class

Keeps track of 5 types of medication (5)

Updates PatientAccount class (5)

15 points - main Method

Menu Driven to pick surgery type, medication type, and check out (10)

Total Charges Displayed(5)