

Patient Fees – using Graphical User Interface (GUI)

You are to write a program using GUI 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. The group must decide on the hospital's daily rate.
- The *Surgery* class will have stored within it the charges for 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.
- Design a **GUI menu** that allows the user to enter a type of surgery and a type of medication, and check the patient out of the hospital. When the patient checks out, the total charges should be **displayed in a Window format (GUI Interface)**.

What to submit

1. Submit all programs source code (Please do not submit images of your program coding).
2. Submit samples of your program output displays. You should have several output displays – test your program thoroughly.
3. Points will be given on how you write your code and the logic on how you solve the problems. Simply getting the output correct does not mean you will get full points. How you implement and design your program matters. All programs should be written professionally with appropriate documentations, spacing, proper functions implementation, and appropriate choice of programming logics.

NOTE: Failure to follow requirements mentioned above will lose points.