**NOTE: This document is for those registered for INFS6151**

# **JAVA – Phase III - 500 points - Due date Dec. 8 nothing accepted after Dec.16 (with late points off)**

In this phase of the project, you are to use your phase II code and add code to the following methods. (If you did not get phase II to run correctly, you may use my solution code that was uploaded to blackboard)

1. Modify\_patient
2. Modify\_physician
3. Modify\_medical
4. Exit\_upmc
5. **Add code to the Modify\_patient method**

In this method you are to first print another menu something like the following:

Patient Modification Menu

1. Add Patient
2. Delete Patient
3. Modify Patient
4. Exit Modify Patient

When the user picks menu option #1, prompt for new Patient information and store it in the parallel arrays

When the user picks menu option #2, prompt for the Patient number, search the arrays for the Patient and delete the Patient from the arrays

When the user picks menu option #3:

* prompt the user for the Patient number
* search the arrays for the Patient number
* You will then ask which of the items below to change (you will not change the patient number)
  + - Patient First Name
    - Patient Last Name
    - Patient Account Balance
    - Patient Age
* Read in the new data to the proper location in the proper array

1. **Add code to the Modify\_physician method**

In this method you are to allow the use to add, delete and modify the physician information as in the modify patient above

1. **Add code to the Modify\_medical method**

In this method you will allow the user to ONLY add new medical information to the medical arrays. Therefore, you do not need a menu in this method. The code will just go right into adding the medical information. But, before you add the information to the medical array, you must search to make sure the patient is in the patient arrays and the doctor is in the doctor arrays. If these two conditions are not met, you will print a message saying that the information can not be added.

1. **Add code to the Exit\_upmc method**

This method will write all data from the parallel arrays back to the three data files **patient.dat, doctor.dat and medical.dat**. Therefore, if the user entered new data in one of the sets of parallel arrays, it will be written back to the data files. Then, the next time the program would run, the new data would be read in.

**Create a word document with these specifications:**

* Type in your name and date.
* Copy your code to the document.
* Copy screen shots of the add sections of your code running
* Copy the first three reports AFTER you have added, modified or deleted new values in the arrays

**Upload the document to Blackboard**