Assignment 4

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I changed the UML diagram according to the useful feedback. To begin with, I modify the errors that it existed last time. Two main modifications are the interface and the connection between each class. For the medication history, I tried to use the linked list to represent it. So the patient class will inherent this class in order to get a more flexible structure. For the doctor class, I try to add the patient variable so that the doctor can read and edit. The interface gives more general connection relationships to avoid the loosing structure. After this change, more functions appear. The following are the achievement of the UML.

- Doctors are able to directly manage their patients and view each of their patients’ medical history.  
- Doctors are able to assign one or many patients to themselves for managing.  
- Patients are able to directly view their own medical history.