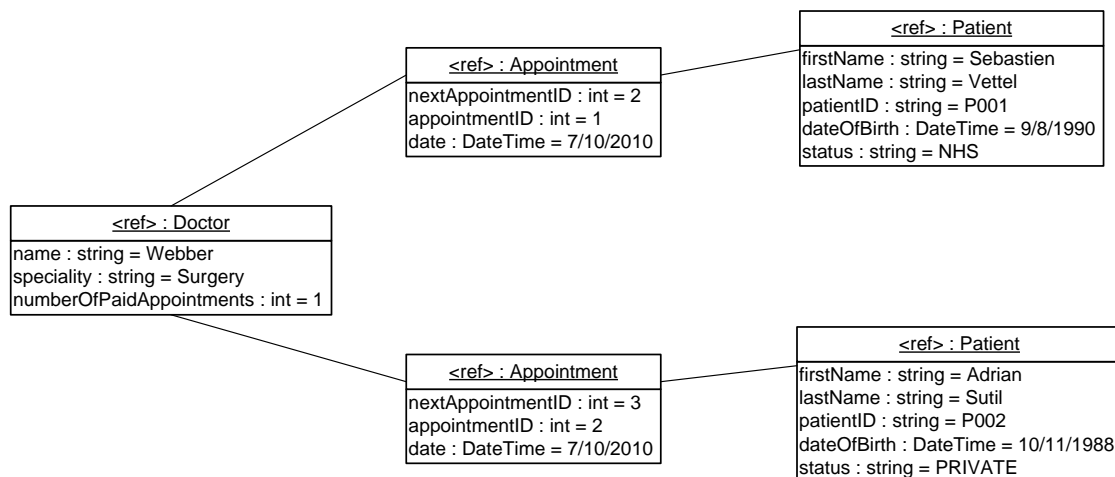


## LAB 2: Recording Appointments – answers to questions

### Questions on task 2:

- Draw an object diagram which shows the objects involved in steps 9 and 10 above. (see Test Objects section at end of lab sheet for full attribute data)



**the object references are declared in the GUI code - don't worry about the reference names for now**

- When the user clicks the Save button, the following steps happen, but not in this order. Write these in the correct order. You can review the code to help with this.

- D A Doctor object is retrieved from a data source
- A A Patient object is retrieved from a data source
- C A new Appointment object is created and associated with the Doctor and Patient
- F The Appointment object sends a message to the Patient object to get its status value
- E The Appointment object sends a message to the Doctor object if the Patient is private
- B The Doctor object increments the value of its number of paid appointments

- Draw a sequence diagram, similar to the example in chapter 2 of your lecture notes, which shows the messages which are passed between Appointment, Doctor and Patient objects in this process.

