Criteria E - Evaluation

Various information about a patient is stored (generated unique ID number, type of animal, gender of animal, address, name of owner, number of owner, email of owner, disease of animal, type of treatment required, day of release if known, medical history)	The program is quite effective at handling patient data. The information mentioned can be stored along with upcoming appointments and laboratory tests performed or to be performed. The information can also easily be edited.
Appointments are created and filtered through based on doctor or date	This feature of the program was also successful. Appointments can be easily created with a lot of information regarding the appointment. Appointments can also be sorted based on doctor, date and patient. In fact, when viewing information about a patient or doctor, any of their upcoming appointments will be displayed below the section displaying their general information. However, the client mentioned that a clearer representation of the available appointment time slots would be more practical.
A doctor is assigned to a patient (same doctor can be assigned to multiple patients) in order to search for patients based on doctor	This feature was sadly not added. However, the patients can choose any doctors for appointments rather than one individual assigned doctor.
Treatment bills for patients are created based on the number of days that they stay in the hospital	This feature works as required. However, instead of a treatment bill, a dialogue just displays the charge for the patient for staying in the hospital for a certain number of days.
Quantity of medicines at hospital are stored and reduced if they are utilized	This feature was added. However, it was slightly changed. Instead of displaying the quantity in grams, the quantity was displayed in terms of the number of boxes of medicine and in the medicine name or description, the grams of medicine or any other information was included.

Possible improvements
1. Appointments can be automatically removed from the system if their date has passed.
2. In the laboratory test section of the patient information window, a link can be added to a laboratory report, if the laboratory test has been completed for the patient. The link can lead to word document or a scanned image of the laboratory report.
3. The display of the patient charges can be broadened. Along with room charges, medicinal charges can also be included. This can be done by specifying the patient for

whom a certain quantity of medicine is being used. Using this information, the medicinal charges for the patient can be created based on the cost of purchasing the specified amount of the particular medicine.
4. Currently, to find the next available appointment slot, the appointments tab must be sorted by date, and the next available time period for an appointment must be found manually. Instead, the opening and closing hours of the hospital may be stored and then the program could automatically display the next available appointment slot.
5. Instead of storing the data in local text files, an online database can be used. The program can also be changed such that the database is automatically updated after every change performed to the system. This will allow multiple users of the program. This would be especially useful if the veterinary hospital was larger and multiple receptionists and various doctors had to use the program.

Word Count: 558