Project 2 Proposal   Jaclyn Gambardella

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      The topic I chose to do is a database project because I am very interested in this topic and think it will relate to my other classes. I want to create a booking system for patients at a doctors office in order for them to make appointments with their doctor at a certain time. For this program, I plan to have several different doctors working out of this practice each with different patients. Each patient will be prompted to input information such as name, date of birth, health insurance, reason for the visit and then choose a time for their appointment. The booking system will use all of this information to create an appointment for the patient and make sure that the doctor is available at that time. It has to check what doctor that patient sees and then check the availability of that doctor. The program will return to the user a reminder which contains the time and date of the appointment, the doctor being seen, and information saying that if the patient needs to change the appointment it must be done within 24 hours of the appointment or they will be charged. The patient will be able to change the time and date of their appointment if they need to, and then the program will return the new information.

      To start the user will indicate that they would like to make an appointment. Then, the program will provide a for for them to fill out with variables such as strings for name, dOB, healthInsr, and time. The program will then use this information to check the doctor that this patient is listed under. After verifying everything it will return the information back to the patient and the patient will have to confirm it.