Project 2 Jairun Diemert

Task

1)

From the problem Description I see we will have a Doctor, DoctorList, Patient, PatientList, and Appointment class.

Variables:

Doctor (name, age, specialty)

DoctorList (doctors, size)

Patient (name, age, sex)

PatientList (patients, size)

Appointment (appointments, size)

Functions:

Doctor (GetName, GetAge, GetSpecialty)

DoctorList (None)

Patient (GetName, GetAge, GetSex)

PatientList (None)

Appointment (SetAppointment, RemoveAppointment, PrintPatients, PrintDoctors, AppointmentSearch)

2)

Step 1: I will establish the templates (header files) for the classes.

Step2: I will build the .cpp files for each class with empty functions.

Step3: I will start with the print functions of the given lists and incorporate a switch menu to run the functions.

Step4: I will work on building the appointment setter. Giving it the functions to access the Doctors list and assigning an array of 8 variables.

Step5: Build the remove appointment function, and integrate it into the switch menu.

Step6: Build the print function that prints the doctor list with the appointments, and integrate it into the switch menu.

Step7: Build the search function that allows you to check a time and doctor availability, and integrate it into the switch menu. (Finished)

4)

When I first came up with my plan I only had a general idea of how classes worked. I also had very limited coding skills. From the start of this project till finish I have invested 42 hours of research and work. I felt as if I had to teach my self-many skills that had not previously been reviewed in any course I have been required to take here at UWF. Thanks to the help of some students in this class I was able to learn what was needed to complete the task.

The original plan was small compared to what was required to finish this project. I could never imagine the amount of functions that would be required to make this all come together. I have a better understanding of object oriented coding. Going forward I will look toward my piers for help when I get lost.