Levi Russell

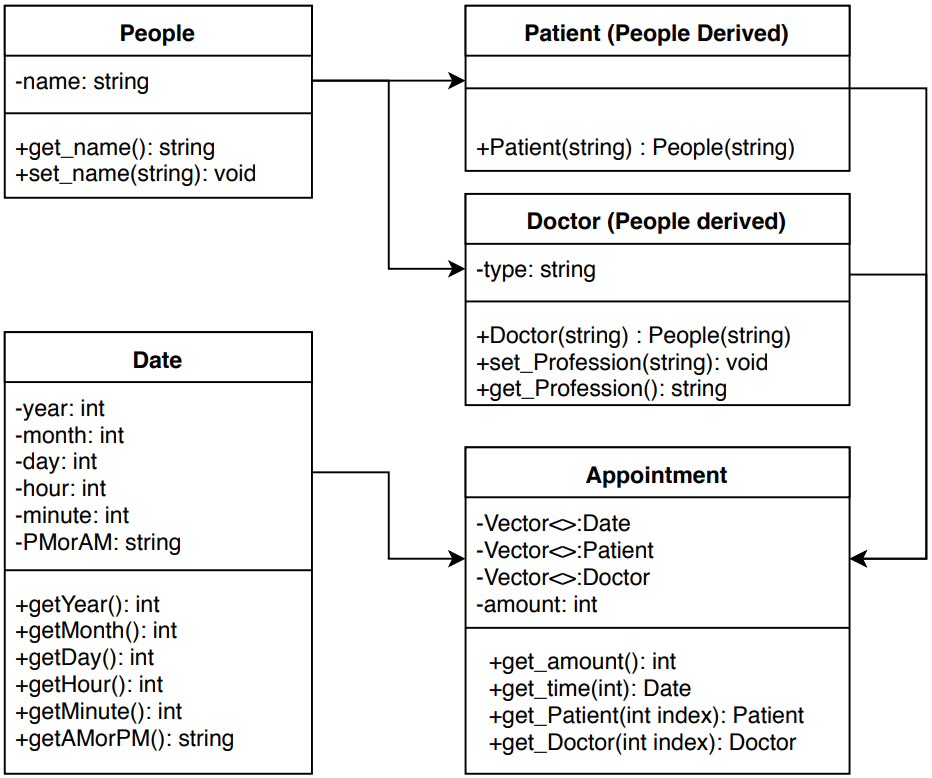
Dr. Tucker | Computer Science 2

6/22/2018

Final Project Requirements Specification

Problem Definition: Design an appointment system that can be used by an office in the medical field. This program should take the Patient’s name, date and time, and the medical professional’s name they are meeting with. If an appointment being scheduled conflicts with an appointment already scheduled (within 30 minutes of each other) the program needs to output an error message. The program must give the ability to search patient’s names and output the appointment date, time, and medical professional’s name and what type of doctor they are. The program must also display the appointments within 2 weeks of real-time in order of soonest to latest. The program must save the appointments by outputting them to a text file and be able to read the text file when the program is started.

Class UML’s



**6/28/2018 Updates**

**Final Class Changes:**

Added set, delete, and get function to appointment class for appointments.

People now has first and last name instead of just name.

People now has get functions for first and last name instead of just name.

**Requirements changes:**

-Instead of within 30 minutes it should be 29 minutes. If an appointment is scheduled for 4:00 PM then one is allowed to be scheduled at 4:30 PM.

-Must be able to delete an appointment after it is created.