

Software Requirements Discovery and Domain Modeling

Task 1.1 – Requirement Discovery

- Each Dentist with their information (Id, First Name, Last Name, Phone Number, Email, Specialization) is recorded into the system.
- Patients request appointments to see a dentist
- Patients can request appointments through call-in or online appointments
- The Office Manager can book appointments for patients
- Patients and dentists should get notified of appointment confirmation or changes in appointment.
- Both Doctors and patient should be able to log in.
- Dentists can view the list of appointments and patient details
- Each Surgery with its information (name, location, telephone number) should be recorded in the system.
- Patients should be able to see their appointment and the dentist they have booked with.
- Patients should be able to cancel or change appointments
- System keeps track of patients' bills
- The system restricts Patients with unpaid bills to book new appointments
- A dentist should not have more than 5 appointments in any given week.

Task 1.2 - Domain model UML Class diagram

