

Software Requirements Discovery and Domain Modeling

Task 1.1

Functional Requirements:

- Dentist Registration: Register dentists with First Name, Last Name, Contact Phone, Email, Specialization, and a unique ID.
- Patient Registration: Register patients with First Name, Last Name, Contact Phone, Email, Mailing Address, and Date of Birth.
- Appointment Booking: The Office Manager books appointments, sending confirmation emails to Patients.
- Appointment Viewing for Dentists: Dentists can view a list of their appointments, including patient details.
- Appointment Viewing for Patients: Patients can view their appointments, including dentist information.
- Appointment Modification: Patients can request to cancel or change their appointments.
- Appointment Limit for Dentists: Limit dentists to a maximum of 5 appointments per week.
- Outstanding Bill Check: Prevent new appointments for Patients with outstanding, unpaid bills.
- Surgery Information Availability: Provide information about each Surgery location, including name, address, and telephone.

Task 1.2

