

1. The system should enable Dentists and Patients to authenticate/sign in securely.
2. The system should store comprehensive data about each Dentist, including their unique ID, personal information (such as first name, last name, contact phone number, and email), and specialization.
3. The system should maintain detailed records for each Patient, capturing their unique ID, personal information (such as first name, last name, contact phone number, email, mailing address, and date of birth), and appointment history.
4. The system should allow Dentists to view a comprehensive list of their scheduled Appointments, providing details about each Appointment, such as the Patient's information.
5. The system should enable Patients to access and manage their upcoming appointments, including the ability to view the Dentist they are scheduled to see and request changes or cancellations.
6. The system should display relevant information about each Surgery location, including its name, address, and contact telephone number.
7. The system should enforce a maximum limit of 5 appointments per week for each Dentist.
8. The system should prevent Patients from scheduling new appointments if they have outstanding, unpaid bills for previous dental services.