**Use Case Diagram Rationale**

**Schedule Appointment** allows patients and admin to book an appointment during an available time slot.

**Update Staff Info** allows the system admin to change list of appointments and list of medications prescribed for all hospital employees as needed. This information should be readily available to patients.

**New Staff Registration** allows the system admin to input required information for hospital new hires, such as: first and last name, age, gender, place of education, degree level, and year graduated. This information should be readily available to patients.

**Patient Info** maintains each patient’s first and last name, date of birth, reason for visit, illnesses, and any prescribed medications.

**Pharmacy** maintains the medicine inventory, notifies the system admin when a quantity drops to 3 or under, and distributes prescribed medications to patients.

**Invoice** is generated after the doctor inputs details from the appointment, and is given to the patient through the system.