

# Use Case Model

## **Actors:**

### **Doctor:**

He takes appointments from the scheduler and then examines the patient and writes a report on his condition and gives him the appropriate treatment

### **Patient:**

He calls the scheduler to book a date, and if he has an emergency situation, he contacts the scheduler and cancels the appointment

### **Scheduler:**

He conducts a search for available appointments and informs the patient of the available appointment, and if there is a problem with the patient and he does not come on time, he cancels the appointment

### **Nurse's staff:**

He prepares the rooms and assists the doctor in detection and operations

### **Pharmacist:**

He dispenses medication to the patient following the doctor's instructions

### **Accountant:**

The patient is accountable for cash or visa

### **Admin:**

He runs the hospital

## **Use cases:**

### **Process (make appointment):**

The patient contacts the scheduler to book an appointment. The scheduler searches for available appointments and gives the patient the appropriate date, then gives the doctor the agreed date.

**Process (cancel appointment):**

When a problem occurs with the patient and he does not come to the reservation, the scheduler cancels the appointment, or the patient contacts the scheduler to cancel the appointment

**Process (make report):**

After the doctor examines the patient and diagnoses his condition, he makes a report on his condition and his illness

**Process (prepare rooms):**

The patient staff cleans and sterilizes the rooms and prepares them fully so that they are ready for examination and operations

**Process (give medicine):**

After the doctor examines the patient and diagnoses his condition and gives him a report on his condition, the patient goes to the pharmacist and gives him the report, so he gives him the appropriate medication

**Process (manage hospital):**

After the patient pays the examination money, the accountant gives the money to the hospital administration