Nurse

Responsibility

launch triage application(loads saved data if exists)

record individual data (name, DOB and health cardNo.) along with the arrival time

record vital signs

record symptoms

record time seen by doctor

look up patients' records by health number, and access the patient's data.

access the urgency list for waiting patients

access the waiting patients list ordered by arrival time

Collaborations

patient
vital_signs
symptoms
urgency
Time
Patient_System

Patient

Responsibility

have the access to the patient's Data

record name, date of birth, health card number, arrival time update(for existing patients, not retaining older records) arrival time
correct (for existing patients, with wrong information) name, date of birth, health card number,arrival time add a recorded* vital signs to the specific patient

add a new recorded* symptoms to the specific patient

add a new recorded* medical history to the specific patient

add new urgency points

mark a patient as "seen" or "waiting" .
keep track of the time that a patient is seen by a doctor.

(*every time a record is created, the Patient instance has to add the record data to itself)

Collaborations

Vital_Signs
Symptoms
Urgency
Time

Data

Vital_Signs,Symptoms, Urgency

Responsibility	Collaborations
specify the time	
record the data and save it to a specific patient.	

Data

Vital_Signs

Responsibility	Collaborations
specify the time	Time
record a patient's vital signs including temperature, blood pressure and heart rate (as a set), and save it to a specific patient.	

Symptoms

Responsibility

specify the time

record a text description on symptoms, and save it to a specific patient.

Collaborations

Time

Urgency

Responsibility

1.access the patient's data and calculate the urgency points with time specified.

2.update the urgency and time whenever the age, symptoms or vital signs are updated

3.calculate the worsening/improving status and update it whenever the urgency points are updated

Collaborations

Patient
Time

Time

Responsibility

compare time.

Collaborations

Patient_System

Responsibility

Save all the patients' data.

Add a new patient.

Access all patients' data and create a list of waiting patients sorted by arrival time.

Categorize and order waiting patients list by decreasing urgency and create an urgency list.

Access all patients' data and look up a patient's records by health number.

Collaborations

Patient