Use Case 1: transport patient

Use Case name: Transport patient

Actor: Driver , administrator , patient

Description : this condition describes the process in which patient are transport from one location to another using dedicated means of transportation such as ambulances or medical vehicles

Main flow:

the patient must login the system.

The administrator enters the transfer requests into the system, including the patient's details .

The driver is informed of the transportation times and the desired location.

The driver logs into the system to review the details of the task assigned to him.

The driver heads to the patient's designated location.

Verifies patient's identity and health status (as instructed).

Transports the patient to the intended location safely.

Use case 2: update medical record

Use Case name: Update medical record

Actor: nurse, Doctor, consultant

Description :

This use case describes the process of updating a patient’s medical record. A doctor or nurse need to add new information about a patient’s condition, treatment, or progress. A consultant also provide input or recommendations that require updating the medical record. The system ensures all changes are recorded accurately, securely.

Main Flow:

1.The actor (nurse or doctor or consultant) logs into the medical record system.

2. Access Medical Record: The actor searches for and selects the patient’s medical record.

3. Update Information:

The actor inputs new data, such as diagnosis, medication, treatment plans, lab results, or progress notes.

A consultant may provide recommendations that the doctor incorporates into the record.

Preconditions:

The actor must have valid login credentials.

The patient’s medical record exists in the system.

Postconditions:

The patient’s medical record is updated with accurate information.

an audit trail of changes is maintained.

Use Case 3: Health Monitoring

Use case Name : Health Monitoring

Actors : Nurse ,consultant

Description : This use case describes the process of monitoring a patient’s health status by collecting and analyzing vital signs using the system. The nurse records the patient’s medical data this data is shared with the consultant for medical recommendations. The system tracks these readings over time to ensure the patient’s condition remains stable or to identify any changes requiring intervention.

Main Flow:

1. The nurse login the system .

2. Access Patient Record:

The nurse searches for the patient in the system and opens their medical record.

3. Collect Vital Signs:

The nurse measures the patient’s vital signs and records them in the system.

4. Data Analysis:

The system analyzes the data automatically to detect any changes or issues that might require the consultant’s attention.

5. Consultant Review :

If the system detects a problem or the data requires evaluation, the consultant is notified to review the case and provide recommendations.

6. Record Observations:

The nurse or consultant documents any notes or decisions regarding the patient’s condition.

7. Confirmation:

The system saves the data and notes, recording the timestamp and actor details.

Preconditions:

The nurse must have valid credentials and system access.

The patient’s medical record must exist in the system.