Glossary

EMR (Emergency Medical Record) = A digital version of a patient's health record.

Integrating medical devices (15:28)
Primary Actor: Nurse
Main success scenario: A Patient has come in for a general check-up. As part of the check-up, the Nurse is required to take the Patient's blood pressure. The Nurse connects the blood pressure monitor to the Patient and registers the Patient's blood pressure. The Nurse saves the Patient's blood pressure in their EMR and confirms it.

Entering medical information (03:22)

Primary Actor: Doctor

Main success scenario: A Doctor is examining a Patient. The Doctor sees that the Patient is suffering from a ruptured eardrum and advises the Patient to wait until it heals and come back after a month for a check-up. The Doctor accesses the Patient's EMR and enters his advice in a note. The Doctor saves the note and confirms it. The Doctor advises the Patient to schedule a new appointment at the reception.

Ensuring patient safety (08:00)

Primary Actor: Patient

Main success scenario: A new Patient wishes to register at the hospital. The Patient accesses the hospital management system and fills out their personal information. The Patient then enters their current medical issues, such as allergies, so that the Patient's safety can be ensured when the Patient requires treatment. The Patient saves the information and confirms their registration.

Managing data access (10:03 & 18:51)

Primary Actor: Nurse

Main success scenario: A Patient has come in for an appointment. The Patient has an appointment with a new Doctor. The Nurse logs into the hospital management system and accesses the Patient's EMR. The Nurse navigates to the Privacy & Security section. Together with the Patient, the Nurse checks the Patient's ID and revises the access rights to the Patient's EMR. The Nurse grants access rights to the new Doctor. The Nurse saves the change and confirms it.

Scheduling a new appointment (17:29)

Primary Actor: Patient

Main success scenario: A Patient wishes to make an appointment with a doctor. The Patient logs into the hospital management system and accesses their EMR. The Patient accesses the appointment scheduling section. The Patient selects a doctor, selects a date and time that is available and inputs the reason for the appointment. The system presents an overview of the appointment. The Patient confirms the appointment and logs off.

Rescheduling an appointment (20:31)

Primary Actor: Receptionist

Main success scenario: A Doctor has one appointment planned for the day but calls in sick. The Receptionist wishes to cancel the appointment and reschedule it. The Receptionist logs into the system and accesses the scheduling section. The Receptionist disapproves the appointment. The Receptionist calls the Patient to inform them about the cancelled appointment and reschedules a new appointment. The receptionist enters the new appointment details in the system and confirms it.

Editing personal information (03:06 & 03:22)

Primary Actor: Nurse

Main success scenario: A Patient has come in for an appointment. While waiting for the doctor, the Nurse browses through the Patient's EMR. The Nurse asks the Patient about any updates in their personal information. The Patient informs the Nurse about a relocation. The Nurse inputs the Patient's new address and confirms the change.

Access from mobile devices (16:25)

Primary Actor: Patient

Main success scenario: A Patient wishes to gain insight into their EMR. The Patient logs into the system from their phone and accesses the EMR. The system displays the Patient's medical record. The Patient browses through the record and accesses the blood pressure section. The system displays the Patient's blood pressure measurements history. The Patient logs off.

Input of test information (07:29)

Primary Actor: Doctor

Main success scenario: A Doctor has just taken a sample from a Patient. The Doctor logs into the system and accesses the Patient's EMR. The Doctor creates a new test and inputs the relevant test details. The Doctor confirms the test information. The Doctor marks the test as ready for analysis and sends the sample to the laboratory.

Inquiry into patient privacy (26:17)

Primary Actor: Patient

Main success scenario: A Patient logs into the system and wishes to find out what information the hospital has collected about them. The Patient accesses their EMR

and browses through the record. The Patient navigates to the Privacy & Security section and accesses the overview of all collected data. The Patient logs off.

Scheduling a room (03:34 & 23:05)

Primary Actor: Nurse

Main success scenario: A Patient has just had an appointment. The Doctor decided that the Patient needs to be hospitalised urgently. The Nurse logs into the system on a tablet and accesses the scheduling section. The Nurse checks the availability of the rooms and assigns the Patient to a room and a specific bed.

Receiving a repair notification (13:37 & 28:00)

Primary Actor: Facility manager

Main success scenario: The Facility manager receives a notification on their phone that a light bulb in one of the rooms is defective. The Facility manager accesses the inventory section of the system and checks the details of the problem. The Facility manager checks the inventory of light bulbs and proceeds to repair the defective light bulb. The Facility manager edits the current inventory and marks the issue as solved.

Receiving a cleaning notification (28:13)

Primary Actor: Nurse

Main success scenario: A Nurse receives a notification on their tablet that a bed has become free and needs to be cleaned. The Nurse opens the notification and checks the details of the update. The Nurse collects the needed supplies and proceeds to clean the bed. After cleaning the bed, the nurse marks the bed as available.

Scheduling the day (13:06 & 13:25)

Primary Actor: Doctor

Main success scenario: A Doctor arrives at the hospital and wishes to see an overview of the day. The Doctor logs into the system and accesses the scheduling section. The Doctor accesses their personal schedule and checks the colleagues they will be working with that day. The Doctor wishes to proceed to their first appointment. The Doctor checks who their next Patient is and where the patient is currently located. The Doctor heads to the room of the Patient.

Medical device
+ ID
+ Type

owns

has

Hospital
+ Name

works at

works at

works at

works at

Doctor
+ ID
+ Name

Receptionist
+ ID
+ Name

Nurse
+ ID
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Facility manager
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has

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manages

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manages

Patient
+ ID ()
+ Name ()
+ Address ()
+ Sex ()
+ Date of birth ()

Room
+ Room number

Inventory
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has

Appointment
+ ID
+ Date
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has

Bed
+ Bed number

has

EMR
+ ID