Health Care System

02160 Agile Object-oriented Software Development

Report-1

DTU

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User Stories

M1 Patient Registration

AS A User
I WANT TO register a new patient
SO THAT I can save their basic information in the system

AS A User
I WANT TO edit a patient's information

AS A User
I WANT TO search for a certain patient's criteria (name, birth date, patient number etc.)
SO THAT I can access the patients that fulfil the criteria

M2 Staff Management

AS AN Admin
I WANT TO add/ archive staff members

AS AN Admin
I WANT TO view and edit users
SO THAT I can change their information(name, department etc.)

AS A user
I WANT TO view all staff members and their basic information (name and email only)
SO THAT I can communicate with my colleagues

AS A user
I WANT TO be able to search for staff members by their name/email
SO THAT I can access the rest of their basic information (name/email)

AS AN admin
I WANT TO search for all users with a specific criteria(name, email, birth date, department, job title etc.
SO THAT I can see all staff members who fulfil the criteria

M3 Health Facility Management

AS A User
I WANT TO See how many beds are available in a department
SO THAT I can check if a department is at capacity

AS A User
I WANT TO be classified by a specific department
SO THAT I can have one department in which I work.

M4 Patient Admission

AS A User
I WANT TO register/ create new patient profile with their non-medical data
SO THAT I admit new patients

AS A Nurse
I WANT TO allocate a patient to a bed (inpatient)
SO THAT The patient is admitted to the department and can receive care.

AS A Doctor
I WANT TO call on a patient (outpatient)
SO THAT The patient can occupy a bed and receive care.

AS A Nurse
I WANT TO discharge a patient
SO THAT The patient is no longer occupying a bed when treatment is done.

AS A Nurse
I WANT TO Move a patient to a new department
SO THAT The patient is discharged from one department and admitted to another.

AS A Nurse
I WANT TO move a patient within the current department
SO THAT The patient can be moved to another bed as needed.

M5 User Interface

AS A User
I WANT TO log in
SO THAT I can access the HMS

AS A User
I WANT TO read a patients non-Medical data
SO THAT I can see non medical data

AS A User
I WANT TO edit a patients non-Medical data
SO THAT I can edit non medical information

As A User
I WANT TO view basic staff data (name, email, department)
SO THAT I can communicate with my colleagues

AS A Nurse
I WANT TO read a patients medical data in my department
SO THAT I can see the medical data of all patients in my department

AS A Nurse
I WANT TO edit a patients medical data
SO THAT I can edit the Medical data of all patients in my department

AS AN Admin
I WANT TO see all staff information
SO THAT I can assist all users

AS AN Admin
I WANT TO edit all staff information
SO THAT I can assist users with entry errors

Access level works as shown in the following hierarchy:
User < Nurse < Doctor < Admin.
Nurses, Doctors, and Admin can do anything users have access to and so on...
Users:

- User

- Nurse

- Doctor

- Admin

Departments:

- Inpatients

- outpatients

- Emergency

- ??

Medical Data	Non-Medical Data
Health Record	Name
Alive?	Surname
Height	Address
Weight	Phone
Perscriptions	ID number
Age	Department
Blood Type	

O2 User Management

AS A User
I WANT TO Have access to the functionality appropriate for my job
SO THAT i can do my job

O4 Persistency Layer

AS A User
I WANT TO open and close the system without losing data
SO THAT I can still access patient and staff information

AS A User
I WANT TO Move a patient into my department by admitting them
SO THAT I can access their previous health data that is saved in the system

O6 Advanced Query Mechanism

AS A User
I WANT TO I want to be able so view simple statistics describing departments and the hospital in general
SO THAT I can get an overview of the status

CRC Cards

User	
Responsibilities	**Collaborators**
Name ID (unique, final) Address Phone Number Show Information Register Patient	Patient Department

Doctor *extends User*	
Responsibilities	**Collaborators**
Name ID (unique, final) Address Phone Number Department Speciality Show Information Register Patient Admit Patient Discharge Patient Assign Bed Get Patients medical data Edit patient medical data	Department Patient Bed

Department *Abstract*	
Responsibilities	**Collaborators**
Name ID (unique, final) User List Add User Remove User	User Patient

Outpatient *extends Department*	
Responsibilities	**Collaborators**
Name ID (unique, final) User List Patient List Capacity Add User Remove User Add Patient Remove Patient	User Patient

Nurse *extends User*	
Responsibilities	**Collaborators**
Name ID (unique, final) Address Phone Number Department Show Information Register Patient Admit Patient Discharge Patient Assign Bed Get Patients medical data Edit patient medical data	Department Patient Bed

Admin *extends User*	
Responsibilities	**Collaborators**
Name ID (unique, final) Address Phone Number Department Show Information Register Patient Admit Patient Discharge Patient Assign Bed Add User Remove User Get Patients medical data Edit patient medical data	Department Patient Bed User Nurse Doctor

Inpatient *extends Department*	
Responsibilities	**Collaborators**
Name ID (unique, final) User List Patient List Bed List Next Bed Index Capacity Add User Remove User Add Patient Remove Patient	User Patient Bed

Management *extends Department*	
Responsibilities	Collaborators
Name	
ID (unique, final)	
User List	User
	Patient
Add User	
Remove User	

Patient	
Responsibilities	Collaborators
Name	
ID (unique, final)	
Phone Number	
Address	Department
Deceased	
Health Record	
Department	

Emergency *extends Department*	
Responsibilities	Collaborators
Name	
ID (unique, final)	
User List	
Patient List	User
	Patient
Add User	
Remove User	
Add Patient	
Remove Patient	

Bed	
Responsibilities	Collaborators
ID (unique, final)	
Patient	Patient
Department	Department
Show Information	