Software Requirements Specification

For

Autonomous Intensive Caring Unit (I.C.U) System

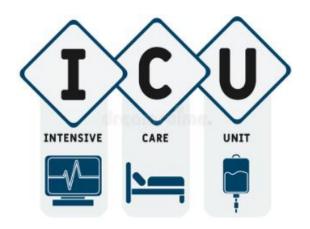


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> System Features :

Use Case Number:	1	
Use Case Name:	login	
Actors:	Patient ,admin(system)	
Description:	Patients will be asked to enter their valid username and password to be authenticated into the system, then when it authenticated the system would return all available hospitals ,then patient can views all hospitals and chooses the closest location to him.	
Pre-Condition:	Patients data is stored in the database.	
Functional Requirements:	• The login page should be the first page that users(Patients) when they open the website.	
	• It should provide two text fields - one for entering the User_Name and one for entering the password.	
	• if the User_name or the Password is not valid there should be a message would be sent to the user to try to login again .	
Main Success Senario:		
Patient:	System:	

1- Patient click on the login button.	
2- Login with his user_name and password.	
•	3-system check if it is valid data.
	5-if yes so it is a successful login so enable the patient to see system interface.
6-patient can see system	
interface and all the available	
hospital.	
Non functional	The Patient should Register
requirements:	when he want to login for the
	first time in the system.

Use Case Number:	2
Use Case Name:	Register
Actors:	Patient ,admin(system)
Description:	Patients will be asked to enter their username and password to be stored in the database, then when it saved by the system admin in the database, the system would return a confirm of this registration.
Pre-Condition:	the patient has the authority to register his data.
Functional Requirements:	 the patient should register all of his data correctly. The admin should record all registrations data by the patients.

Main Success Senario:	In the event that the patient does not have information stored in the hospital database, he records his data for the first time so that he enters (usern_ame, password) and then sends his data and it is saved in the database.
Non functional requirements:	The Patient should enter valid user_name and password when he want to register in the system.

Use Case Number:	3	
Use Case Name:	Booking	
Astono		
Actors:	Patient ,admin(system)	
Description:	Patients will submit his query about the	
	intensive i.c.u ,Then the system receive	
	patient query and show all hospitals	
	according to this query and, then containing	
	the hospital in the patient area and access	
	the i.c.u information if it is suitable and not	
	occupied, then the system will show it to the	
	patient , then the patient would choose the	
	hospital and submit it to the system, then	
	the system would receive it and make a	
	reservation for the patient, then send a	
	message to the patient contain i.c.u number,	
	then patient will receive the message.	
Pre-Condition:	the patient has the authority to choose the	
	hospital that is suitable to him if it is	
	available .	
Functional Requirements:	the patient should enter a correct query	
	about the intensive i.c.u.	

 The admin should show all hospitals according query. The patient should choose the intensive hospital that he want. The admin should send a message to the patient with the i.c.u number if it is available.
available.
 The patient should receive the message.

Main Success Senario:

iviain Success Senario:		
Patient:	Admin(System):	
1- Patients will submit his about the intensive i.c		
	 2- Then the system receive patient query and show all hospitals according to this query and. 3- then containing the hospital in the patient area and access the i.c.u information if it is suitable and not occupied. 4- then the system will show it to the patient. 	
5- then the patient would che	ne patient would choose	
the hospital and submit it to system.	the	
	6-the system would receive it and make a reservation for the patient. 7- send a message to the patient contain i.c.u number.	
8- patient will receive the me	ssage.	
Non functional	1-The Patient should enter valid	
requirements:	Hospital_name ,valid I.C.U_name and a correct query when he want to search.	

2-system should allow timing
constraints, when patient choose
hospital and book it , it will disappear
from the other users.

Use Case Number:	4
Use Case Name:	Update_Hospital
Actors:	Admin,system
Description:	Admin will choose hospital to be updated and when system return the information about the hospital, Admin would change the information he need and ask the system to apply changes.
Pre-Condition:	Updated_information will be stored in the database.
Functional Requirements:	• The Update_Hospital page should be one of the pages that is hidden from users(Patients), and can be accessed only by the (Admin).
	• It should provide field to search for the intended hospital that the admin want to update its information.

	Informa	n can change the Hospital ation after system send it back to him bly its changes again to the system.
Main Success Senario:		
Admin:		System:
1-Admin choose Hospital updated.	to be	
		2-system search for hospital.
		3-system retrieve hospital information.
4-Admin show Hospital information.		
6-Admin change some/all Hospital information.	of	
7-Admin apply changes.		
		8-system save changes in database.
Non functional		1-The Hospital that the Admin
requirements:		want to change its information
		should be in the system or an
		error message will appear.
		2-any update should be applied
		to the system will be saved in
		database.