***King Saud University***

***College of Applied Studies and Community Service***

***CSC1203-Introduction*** ***to database***

*2nd Semester 1435-1436 H*

***Healthy Life Hospital***

***Data Base***

***Phase # 1,2,3,4***

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| --- | --- | --- | --- |
| ***ID*** | ***NAME*** | ***SN*** | ***Section #*** |
| ***View Name:***  *The Pharmacy* | | | |
|  | *Arwa Al-Hurais* | *1* | *312* |
|  | *Kholood bagazi* | *2* | *312* |
|  | *Moneera saleem* | *3* | *312* |
| ***View Name:*** *The Nurse* | | | |
|  | *Zohor hamdi* | *1* | *312* |
|  | *Sahar Rashed al\_Otaibi* | *2* | *312* |
|  | *Sarah Ishaq khyat* | *3* | *312* |

***Superv******ised By:*** ***Arwa AlHurais.***

***Project Description:***

***We will make a database application to serves a government hospital, which will be used by: the doctor, the receptionist, the nurse and the hospital’s pharmacy.***

***This database application is to support the basic functions of the hospital, Which will save a lot of time and effort, and will facilitate a lot of relationships, also are converting paper transactions to electronic transactions, and files will be saved from loss, and will be more privacy.***

***Hospital contains many disciplines, and each specialty within the hospital has a specific job, which is very important, because it is based upon the basis of the hospital, Patients are treated by doctors, nurses, the reception and the Pharmacist. And their basic concern is on the patient, ensure to provide all the needs of care. As a start the reception serves to provide important dates between DR and his patient, and does on a daily basis to determine all the concerns of the patient's overall, with a time and date fixed properly does not change, but only when*** ***necessary.***

***Then we move to the doctor here where we find evidence of great importance and the patient needs to know what details to diagnose his condition and his health and know what he needs to recover. Here begins the cooperation of Nursing, who shall provide full what the patient needs, and then with the help of the patient in all their needs, so nursing is of great importance in the provision of assistance to the doctor and the patient.***

***After that the doctor may identify prescription drug given to the patient and determine the dosage, then the patient goes to the pharmacy and he doesn’t need to take papers, which may be lost, or maybe it’s not clear, and all that is needed Pharmacist is to enter into the database and reads details.***

***Department of Pharmacology interested in all the details of medications, such as: prescription, type of medication, the date of production and completion and the zip code for medicine, and others.***

***So, may be has full care of the patient from the hospital all aspects in a high quality and precision.***

***Healthy Life Hospital***

***The Pharmacy***

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|  | *Moneera saleem* | *3* | *312* |

***View Description***

*Pharmacy very important in providing medicine to the hospital's patients, and the pharmacist receives a prescription, what was given by the doctor.*

*It can* *see all the details of medications, such as: prescription, type of medication, the date of production and completion and the zip code for medicine, and others.*

*It was allowed to enter and update some details.*

***Data Requirements:***

***The pharmacy :***

*It**must have a* ***Medication*** *and must have a* ***pharmacist****, it’s have : a unique number, and set of phones.*

***Patient :***

*Each* ***patient*** *may have many* ***prescription, patient*** *console at least one* ***doctor****,* ***patient*** *may have many* ***appointments****, and may make many* ***tests****, it’s have :All patients has a different ID number, a set phones , name (first name , last name), sex, age, state, and blood type.*

***Doctor :***

*The* ***doctor*** *may prescribe many* ***prescription*** *for the patient, it’s have: a unique ID number, name (first name , last name ) ,specialty.*

***Medication :***

*Its can be in many* ***prescriptions*** *, it’s have: a unique name of medicine, number, the date of production and expiry date, the plant and zip.*

***prescription :***

*Every* ***prescription*** *is describes by only one* ***doctor*** *and has only one* ***patient****, and should at least have a* ***medicine****. and it’s have: a unique number, date ,name of medicine, and the Dosage.*

***Pharmacist :***

*Work in only one* ***pharmacy****, may receives a* ***prescription****, He gives the* ***patient*** *the* ***medications*** *, it’s have: a unique ID number ,set of phones ,address , sex, name (first name , last name).*

***Transaction Requirements:***

***Data Entry:***

*-Enter the details of* ***medicine****.*

*-Enter the details of* ***Pharmacist****.*

*-Enter the details of* ***prescriptions****.*

***Data update/deletion:***

*-delete/update the details of the* ***medicine****.*

*-delete/update the details of* ***Pharmacist****.*

*-delete/update the details* ***of the pharmacy****.*

***Data Queries:***

1. *List of names of the medicati**on.*
2. *List of names of patients & Doctors.*
3. *List the number of prescriptions.*
4. *List the Dosage of the medication.*
5. *List of the Name pharmacist.*
6. *List the Date of Dosage production and finishing.*
7. *List the Date of recipe.*
8. *List the ID Number of Pharmacy.*
9. *List the Details of pharmacy.*
10. *List the Details of number of prescriptions.*
11. *Total of medications.*

***Healthy Life Hospital***

***The Nurse***

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***View Description***

*Nursing profession dedicated to patient care ,nurses w**orking in many rooms and ambulances cars and departments, to help Doctors in their clinics or schools, ships, trains and planes.*

***Data Requirements:***

***Nurse :***

*To provide comprehensive care for patients and give injections and medications according to doctor's orders, There is at least one nurse care for patient and found in the ambulance and has room and in each department that includes Nur\_name , Nur\_ID , address , Gender and phone .*

***Patient :***

*Who suffer from certain diseases and needs to go to hospital for a thorough examination by a doctor and taking medication required, There is zero or many patient Cared by nurse and zero or one patient in ambulance and zero or many patient have room and in department. All patients has: a different ID number, a set phones , name (first name , last name), sex, age, state, and blood type.*

***Ambulance:***

*The ambulance is responsible for the emergency, which will connect patients suffering from serious injuries to* *the hospital and also to be a nurse him to do first aid to the patient, There is at least one ambulance Contain nurse and zero or one ambulance Contain patient and zero or one ambulance per department that includes Dr\_ID , Dr\_name , address , shift and salary.*

***Room :***

*The hospital contains many rooms as doctor , nurses rooms and patient rooms, There is one room Per nurse and zero or one room Per patient and at least one room Per department that include room\_ID , room\_NO , room\_type and room\_cost*

***Department :***

*Available in the hospital several sections function as throat and nose, skin, cosmetics, hypnosis and rumor, laboratories and other departments, There is at least one department Contains nurse and has patient and zero or many department has ambulance and one or many department has room that include Dept\_ID ,Dept\_name.*

***Transaction Requirements:***

***Data Entry:***

1. *Enter the details the patients.*
2. *Enter the diagnosing for the patients.*
3. *Enter the details of the nurses.*

***Data update/deletion:***

1. *Update/delete details the Patient.*
2. *Update/delete details of the Patient Condition.*
3. *Update/delete the details of the Nurse.*

***Data Queries:***

1. *List appointment date and time for pat**ient.*
2. *List the time and the date of the patient's ambulance service.*
3. *List number, name, and phone number of patients.*
4. *List Times ambulances.*
5. *List shift the driver for ambulance.*
6. *List appointment date and time for nurse.*
7. *List of the salaries of nurses.*
8. *List of the prayer shifts nurses and history.*
9. *List available to department.*
10. *The total of rooms.*
11. *List Of Nurses & room what is she found in.*