Hospital management System

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HOSPITAL MANAGEMENT SYSTEM

AIM OF THE PROJECT

- The establishment and improvement of **doctor-patient interaction system is a very important requirement**, especially now when the communication technology is developing rapidly.
- The advantages of web can be made full use of to make up the time and distance gap between **doctors and patients and to provide fast and adequate medical services.**
- Through the connection between user terminals and **specific service, both doctors and** patients are able to obtain required data to achieve a better interaction.
- The platform, Web services and database technology are all gradually maturing, so that we can develop a doctor-patient interaction system on web application platform to meet the needs of the patient and **provide doctors more efficient and convenient means of communication with patients.**
- One share is given to the **merchant server with an advanced encryption standard (AES) encrypted text**. Only the **legitimate patient server can access the share because the AES key** is required to decrypt the share.
- Another share will be sent to the doctor registered email -address.

OBJECTIVE OF THIS PROJECT

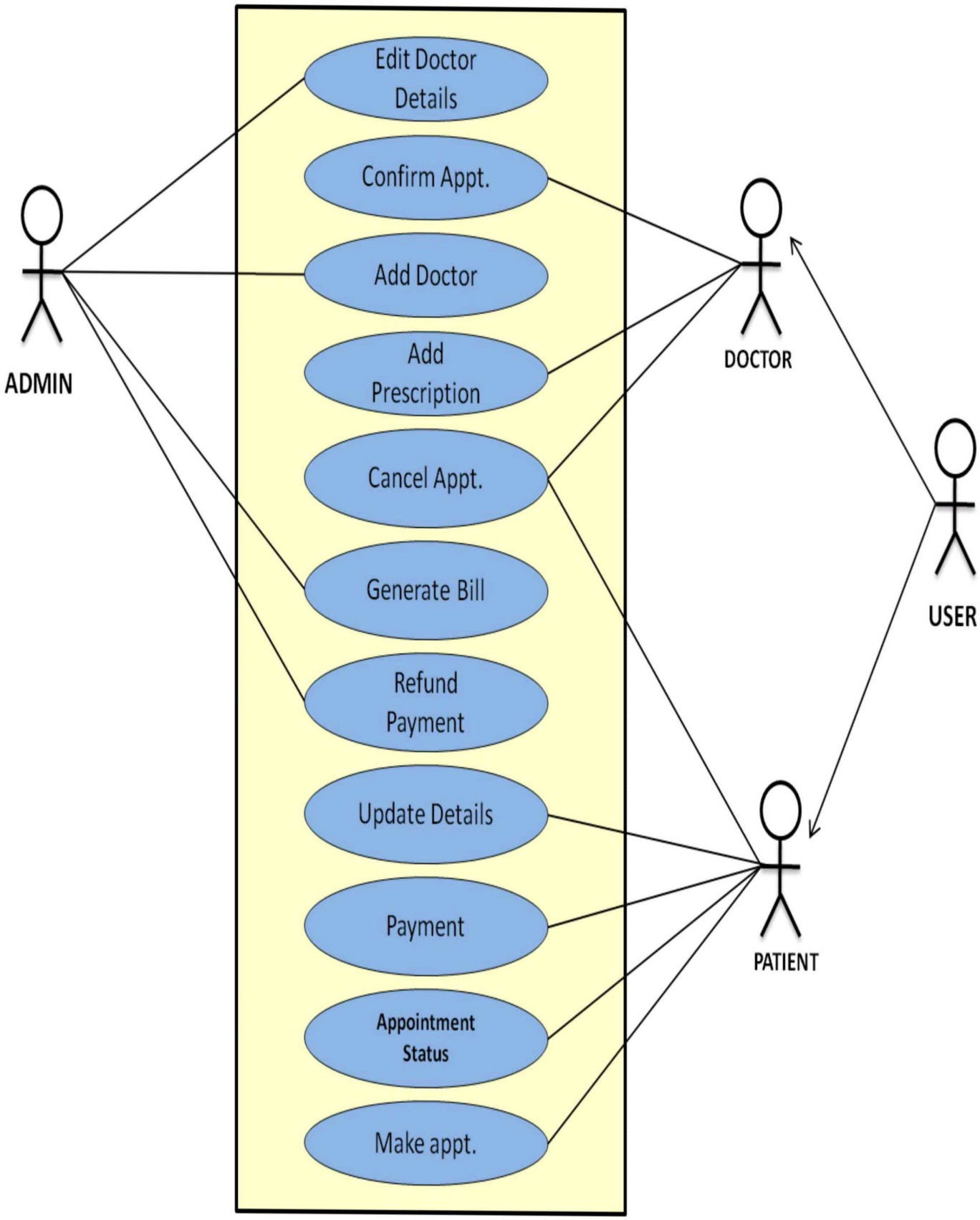
- This system enables user friendly for Doctor-Patients relationship. Doctor can easily diagnosis patient's problem and find out the solution. Then clinic provide update details about patient's problems.
- The project objective is to create an application that uses AES encryption to prevent online fraud when a scammer attempts to log in through a key sharing.

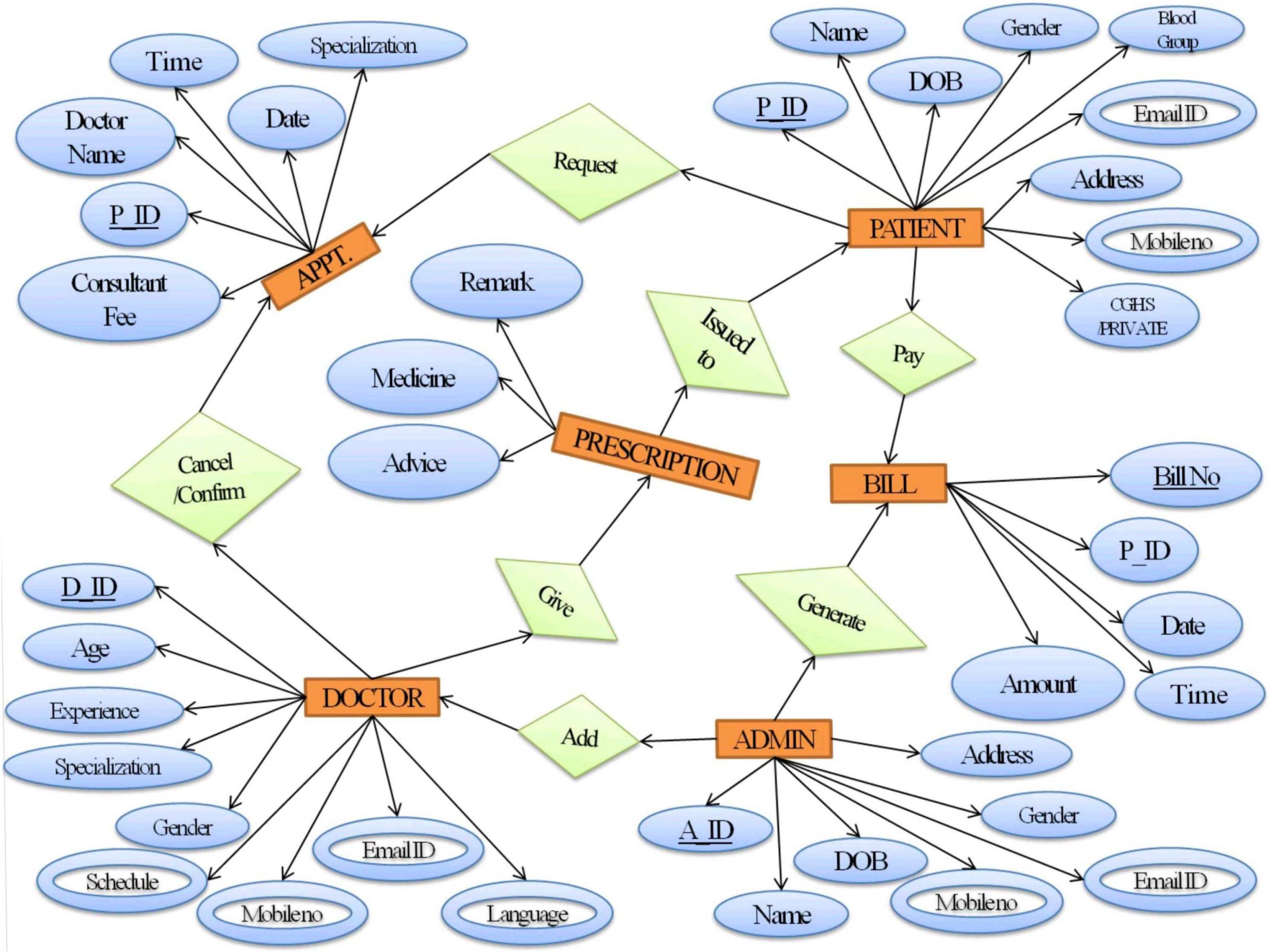
PROPOSED SYSTEM

- The patient will have to register into the application for the first time. On registering, the patient will receive a username and password.
- The filtration is done on two bases: Gender wise and Specialty wise. After selecting the filtration type, the doctors list will be displayed. The patient can select any particular doctor and view his profile. And patient give reviews on doctor profile. Also the patient can view the doctor's profile and look for an appointment.
- The patient will then **send a request for appointment. The doctor can either accept the appointment or reject** it. The database will get updated accordingly and the patient will get a confirmation message.
- The add-on to this system is that the patient will receive a **notification 2 hours before the actual appointment**. As well as if doctor cancels the appointment patient received a message for appointment cancelation.
- This will be very useful in case the patient tends to forget the appointment. Also doctor can search patient history by using a unique ID.
- **Adding AES encryption with a public key cryptosystem to the proposed met**hods is one possibility to eradicate security leaks.

ADVANTAGES OF PROPOSED SYSTEM

- Easy to use because all Details of bike servicing will quickly available 24 x 7 on application
- It can be easily accessed globally with help of Internet.
- Maintaining records will be easier because all details are stored in database and retrieved easily from it.
- Interactive and attractive design.
- Provides Alerts or Reminder by application
- Provides online booking of bike and servicing easily.
- Provides the user to pick and delivery the bike using mobile services
- User can easily pick the nearby services center


Edit Doctor Details
Confirm Appt.
Add Doctor
Add Prescription
Cancel Appt.
Generate Bill
Refund Payment
Update Details
Payment
Appointment Status
Make appt.
ADMIN
DOCTOR
USER
PATIENT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Mobileno
Email ID

S NO.	COLUMN NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	P_ID	Varchar(50)	Primary Key	Contains Unique Id
2.	Name	Varchar(50)	-	Contains Name
3.	DOB	Varchar(50)	-	Contains Date Of Birth
4.	Gender	Varchar(50)	-	Contains Gender
5.	Blood Group	Varchar(50)	-	Contains Blood Group
6.	Email ID	Varchar(50)	-	Contains Email Id
7.	Address	Varchar(50)	-	Contains Address
8.	Mobile No.	Integer	-	Contains Mobile No.
9.	CGHS/Private	Varchar(50)	-	Contains Category

Table 4.2 Patient

S NO.	COLUMN NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	P_ID	Varchar(50)	Primary Key	Contains Unique Id Patient
2.	Specialization	Varchar(50)	-	Contains Name of the Department in which Patient wants to visit
3.	Doctor's Name	Varchar(50)	-	Contains Doctor Name Patient Wants To Visit
4.	Consultant Fee	Integer	-	Contains Consultant Fee Of Doctor
5.	Date	Date	-	Contains Date For The Appointment
6.	Time	Time	-	Contains Time For The Appointment

Table 4.3 Appointment

S NO.	COLUMN NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	D_ID	Varchar(50)	Primary Key	Contains unique ID
2.	Age	Integer	-	Contains age
3.	Gender	Varchar(50)	-	Contains gender
4.	Specialization	Varchar(50)	-	Contains specialization
5.	Experience	Varchar(50)	-	Contains experience of the doctor (In months)
6.	Language	Varchar(50)	-	Contains in how many languages doctor can speak.
7.	Mobile No.	Integer	-	Contains mobile number
8.	Email ID	Varchar(50)	-	Contains Email Id
9.	Schedule	Varchar(50)	-	Contains day and time for which the doctor is available

Table 4.4 Doctor

S NO.	COLUMN NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	D_ID	Varchar(50)	-	Contains unique ID
2.	P_ID	Varchar(50)	Primary Key	Contains unique ID
3.	Medicine	Varchar(50)		Contains name of the medicine.
4.	Remark	Varchar(50)		Contains Remark given by the doctor for the patient.
5.	Advice	Varchar(50)		Contains any advice for the patient.

Table 4.5 Prescription

S NO.	COLUMN NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	A_ID	Varchar(50)	Primary Key	Contains unique ID.
2.	Name	Varchar(50)	-	Contains Name
3.	DOB	Varchar(50)	-	Contains Date Of Birth
4.	Gender	Varchar(50)	-	Contains Gender
5.	Email ID	Varchar(50)	-	Contains Email Id
6.	Mobile No.	Integer	-	Contains Mobile No.
7.	Address	Varchar(50)	-	Contains Address

Table 4.6 Admin

S NO.	COLUMN NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	P_ID	Varchar(50)	-	Contains unique ID.
2.	Bill No.	Varchar(50	Primary Key	Contains number of the bill.
3.	Date	Varchar(50	-	Contains Date of The bill.
4.	Time	Varchar(50	-	Contains Time of the bill generated.
5.	Amount	Int	-	Contains amount of the bill.

Table 4.7 Bill