

PHARMACARE+

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INTRODUCTION

PharmaCare+ is an advanced telemedicine platform designed to revolutionize healthcare by providing seamless online consultations and a fully integrated online pharmacy. The platform connects patients with qualified doctors for remote medical consultations, ensuring accessible and timely healthcare services. Additionally, PharmaCare+ enables users to order prescribed medications conveniently through its online pharmacy, bridging the gap between medical advice and treatment.



WHAT IS ONLINE MEDICAL CONSULTATION?

Online medical consultation involves patients connecting with healthcare professionals virtually, typically through video calls or phone calls.

The system includes three types of users:

- Admin: Oversees platform operations, manages users, and ensures regulatory compliance.
- Doctors: Provide virtual consultations, issue prescriptions, and offer medical guidance.
- Patients: Book online appointments, consult with doctors, and order medications through the pharmacy.

PharmaCare+ aims to enhance healthcare accessibility, reduce waiting times, and improve patient outcomes by leveraging digital solutions for medical consultations and prescription fulfillment.



PROPOSED SYSTEM

The existing system of PharmaCare+ provides a telemedicine platform and an online pharmacy where patients can **consult doctors and purchase medicines**. Users can **book appointments and receive digital prescriptions, which they can use to order medicines from the integrated pharmacy**. The pharmacy system allows patients to browse medicines, place orders, and track deliveries. Doctors can manage patient records and prescriptions, while administrators oversee platform operations. However, the current system lacks AI-powered diagnostics, automated prescription management, integration with wearable devices, and blockchain-based security. Additionally, it does not yet support mental health consultations, multilingual support, automated medicine refills, or advanced drug interaction checks, which could improve patient care and enhance the overall user experience.



FUTURE ENHANCEMENTS

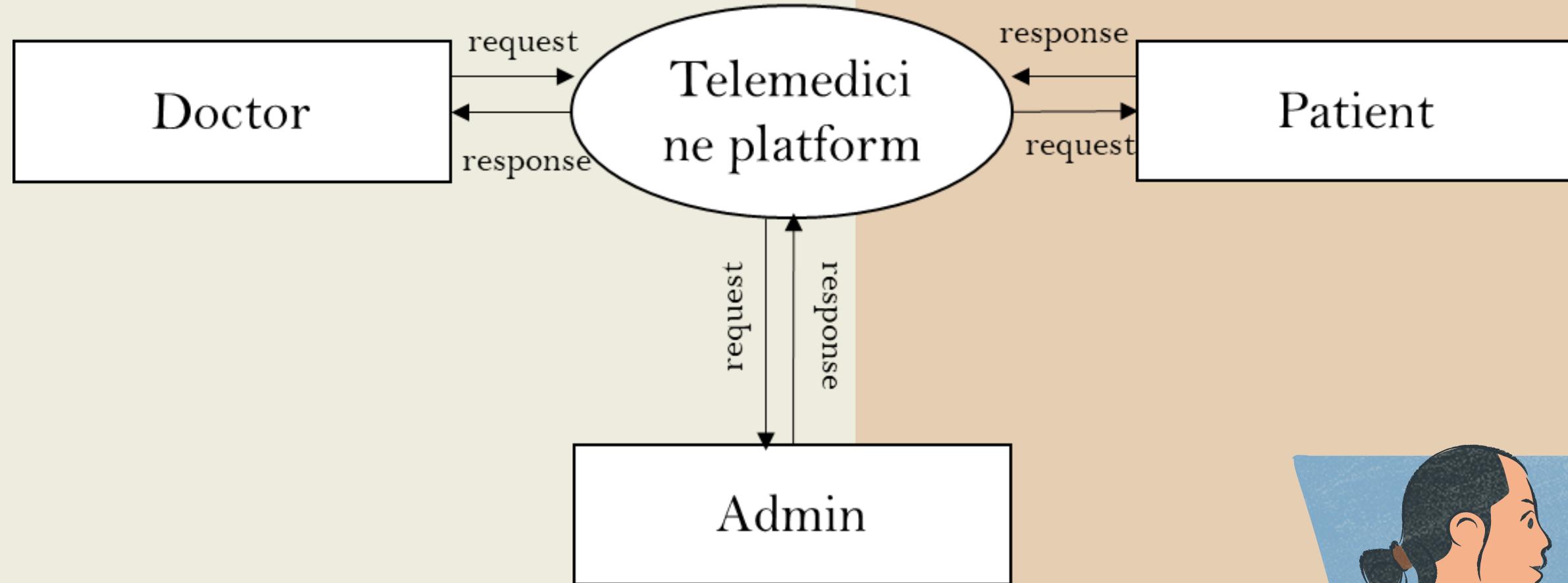
Future enhancements for PharmaCare+ will focus on improving patient care, accessibility, and efficiency. Key upgrades include an **AI-powered symptom checker, automated prescription management, and video consultations with multi-language support**. Integration with wearable devices will enable **real-time health monitoring**, while **blockchain-based medical records will enhance security and data sharing**. Features like medicine subscriptions, emergency services, and mental health support will ensure comprehensive healthcare. Additionally, AI-driven health insights, a drug interaction checker, and integration with insurance providers will make PharmaCare+ a more advanced and user-friendly telemedicine platform.



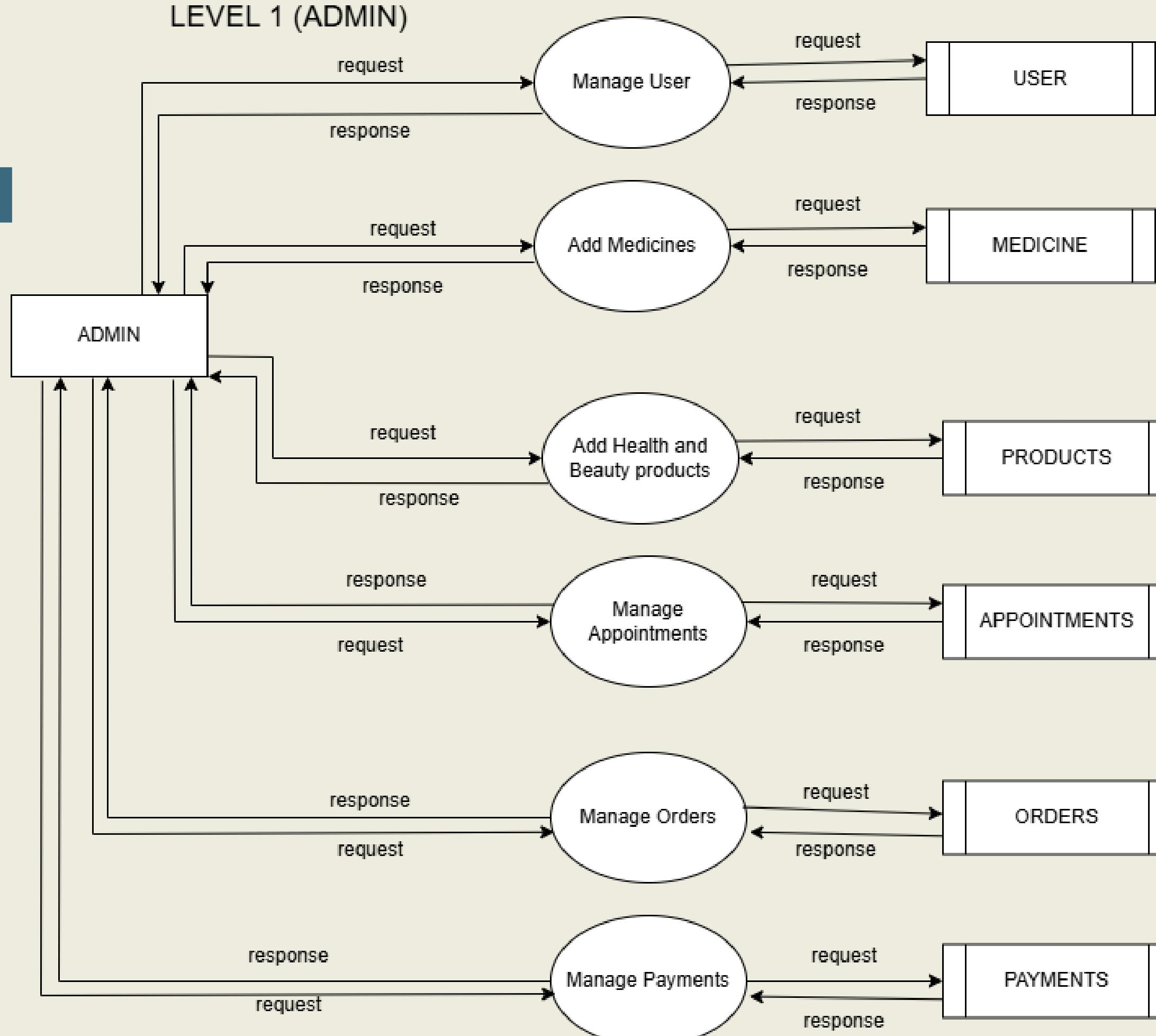
DATA FLOW DIAGRAM & TABLES



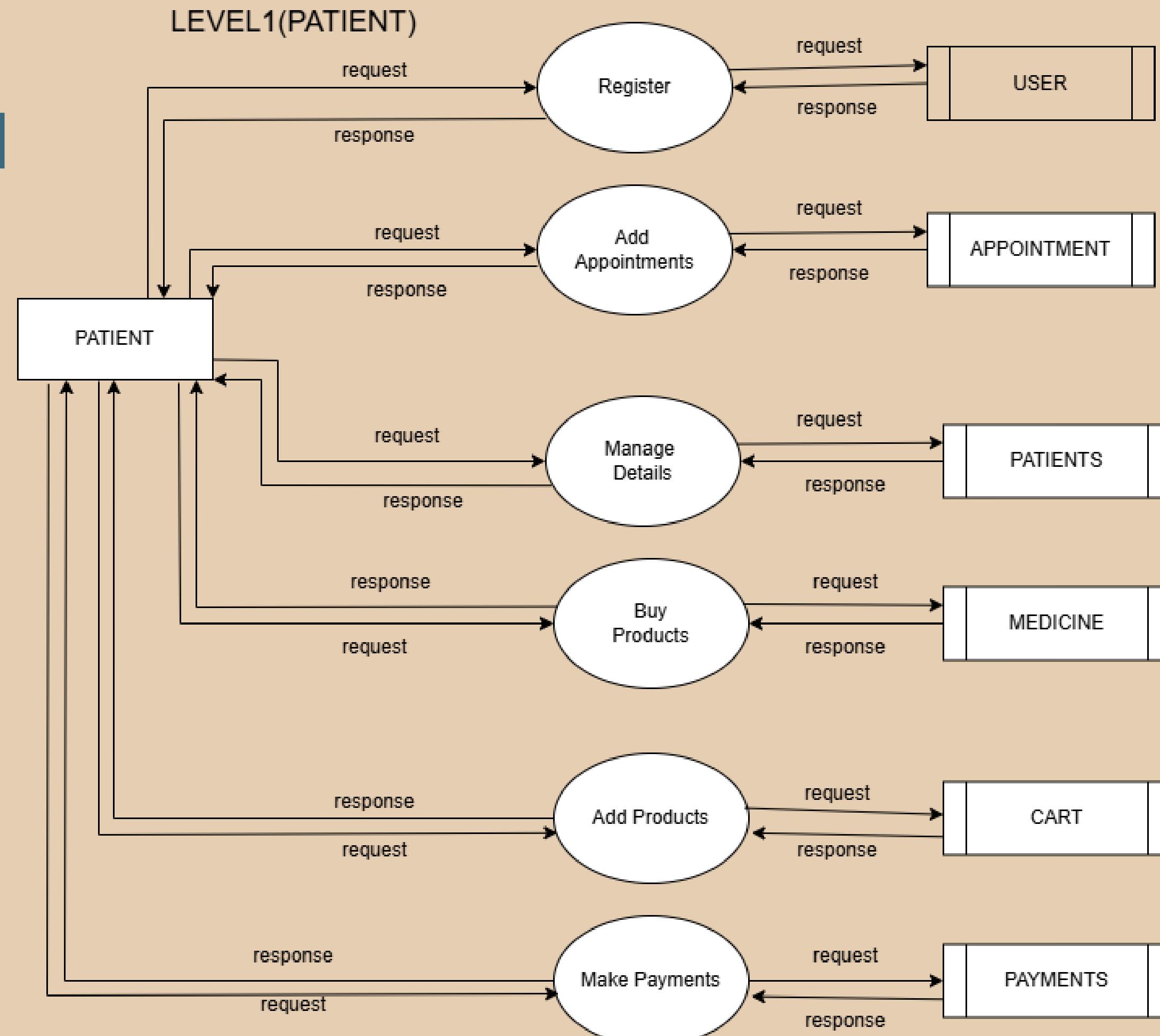
DFD LEVEL 0



DFD LEVEL 1

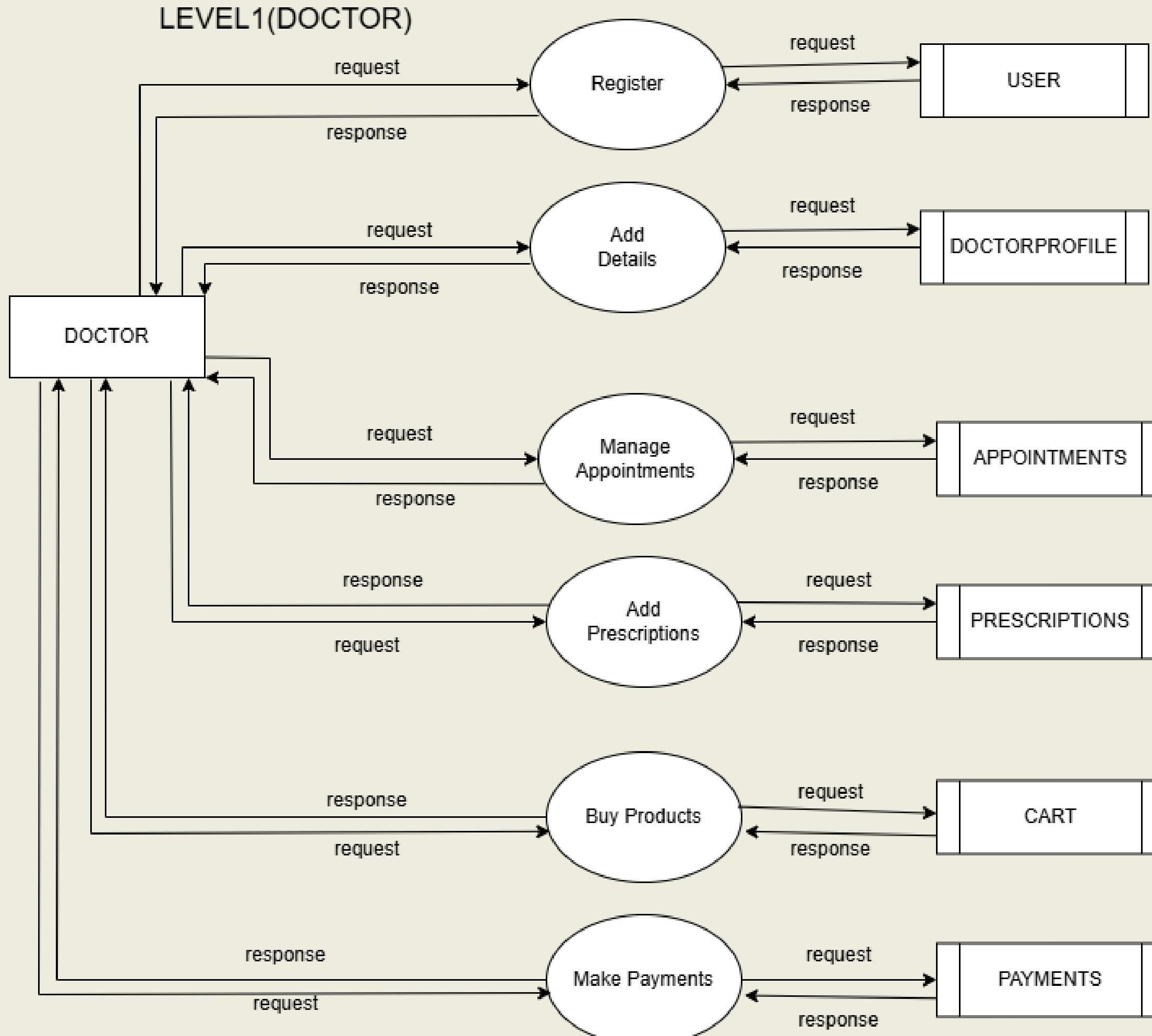


DFD LEVEL 1



DFD

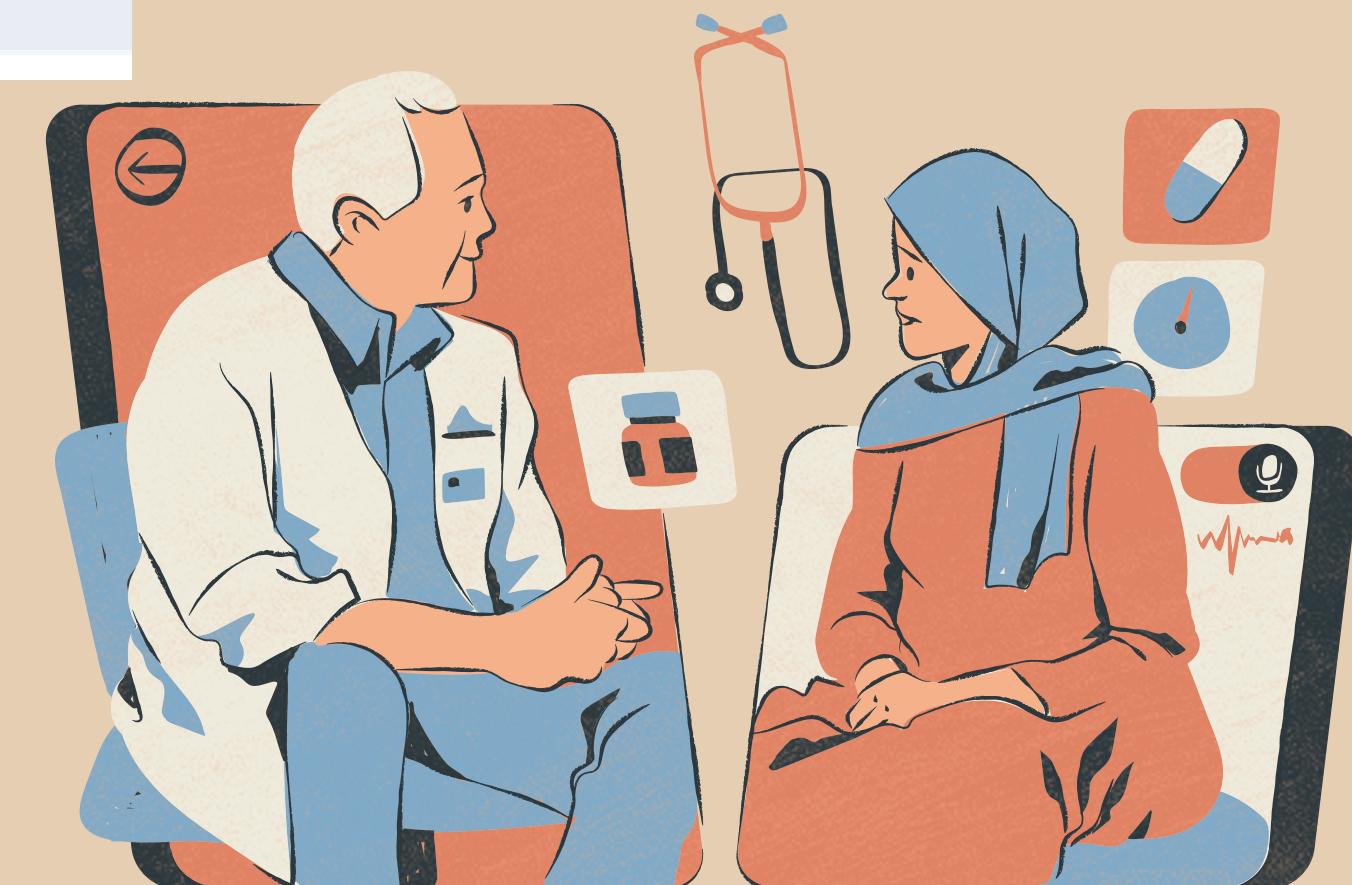
LEVEL 1



TABLES

1.USERS

SI NO	Field	Type	Constraints	Description
1	first_name	CharField	NOT NULL	Name of the User
2	is_admin	BooleanField	NOT NULL	Is the user is a admin
3	is_patient	BooleanField	NOT NULL	Is the user is a patient
4	is_doctor	BooleanField	NOT NULL	Is the user is a doctor



2.DOCUMENTS PROFILE

SI NO	Field	Type	Constraints	Description
1	user	CharField	ForeignKey	Name of the Doctor
2	email	EmailField	NOT NULL	Email id of the Doctor
3	specialization	CharField	NOT NULL	Specialization of the Doctor
4	experience_years	IntegerField	NOT NULL	Year of Experience
5	certificate	FileField	NOT NULL	Licensed Certificate
6	License_number	CharField	NOT NULL	License number
7	hospital	CharField	NOT NULL	Name of the hospital currently works
8	approved	BooleanField	NOT NULL	Check the Doctor Is approved
9	Available_days	CharField	NOT NULL	Available day to consultation
10	Available_time_start	TimeField	NOT NULL	Available time to start consultation
11	Available_time_ends	TimeField	NOT NULL	Available time to end consultation

3. DOCTORS ADDITIONAL INFO

SI NO	Field	Type	Constraints	Description
1	doctor	OneToOneField	ForeignKey	Doctors details
2	Profile_image	ImageField	NOT NULL	Image of the Doctor
3	hospitals	CharField	NOT NULL	Worked Hospitals
4	Qualifications	TextField	NOT NULL	Qualification of the doctor
5	bio	TextField	NOT NULL	Bio of the doctor

4. PATIENTS PROFILES

SI NO	Field	Type	Constraints	Description
1	user	OneToOneField	ForeignKey	Name of the Patient
2	email	EmailField	NOT NULL	Email of the patient
3	Phone_number	CharField	NOT NULL	Phonenumber of the patient
4	Is_doctor	BooleanField	NOT NULL	Set default as false
5	gender	CharField	NOT NULL	Gender of the patient

5.APPOINTMENTS

SI NO	Name	Type	Constraints	Description
1	Doctor	OneToOneField	ForeignKey	Name of the Doctor
2	patient	OneToOneField	ForeignKey	Name of the patient
3	date	DateField	NOT NULL	Date of appointment
4	Token_number	PositiveIntegerField	NOT NULL	Token number
5	Time_slot	TimeField	NOT NULL	Time slot
6	Payment_status	CharField	NOT NULL	Payment status
7	Amount_paid	DecimalField	NOT NULL	Amount paid for consultation
8	Video_link	URLField	NOT NULL	Consultation video link
9	Prescription_text	TextField	NOT NULL	Prescription text from Doctor
10	Prescription_file	FileField	NOT NULL	Prescription file

6.BRAND

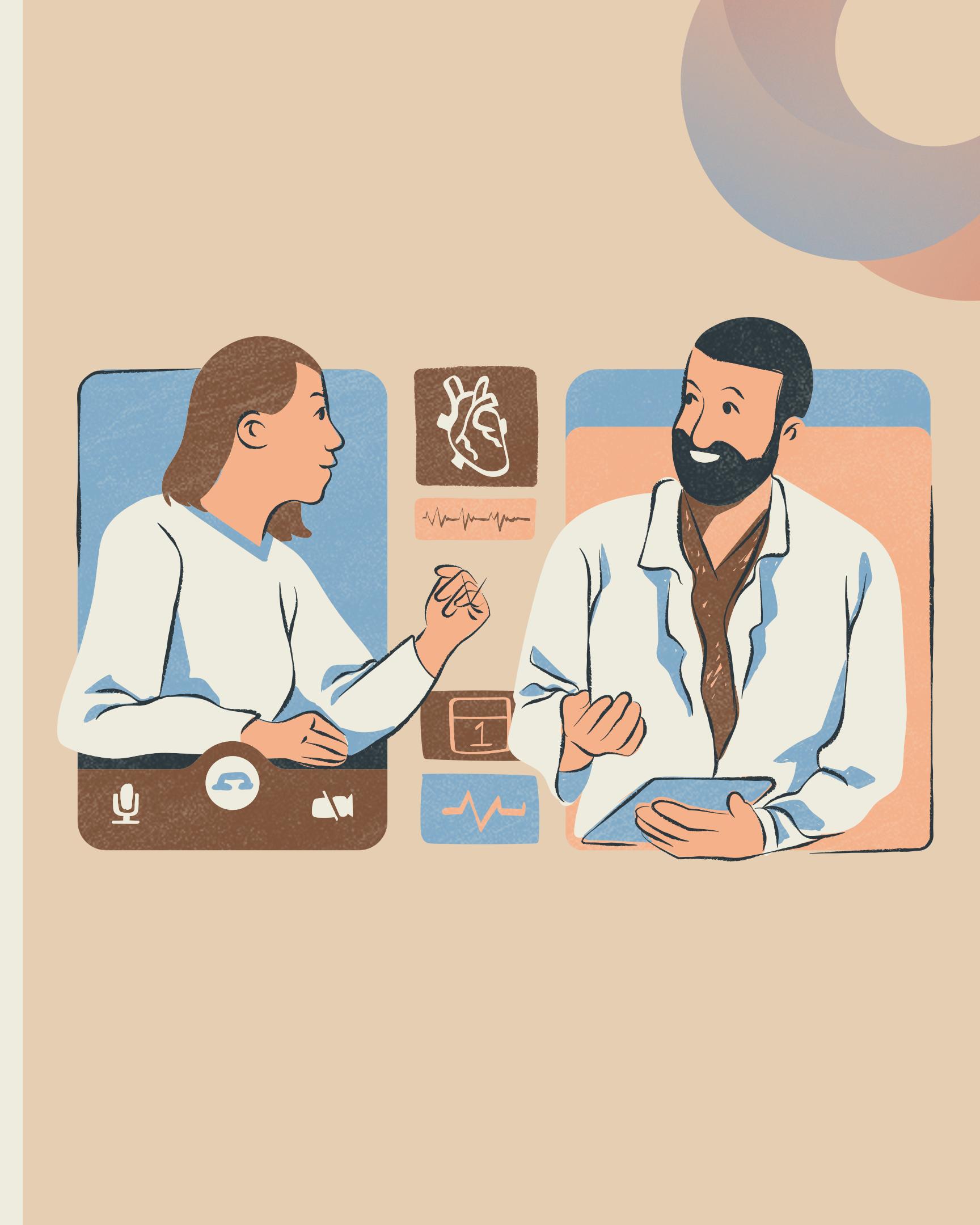
SI NO	Field	Type	Constraints	Description
1	Name	CharField	NOT NULL	Name of the Brand

7.MEDICINES

SI NO	Name	Type	Constraints	Description
1	name	CharField	NOT NULL	Name of Medicine
2	brand	CharField	ForeignKey	Name of the brand
3	dosage	CharField	NOT NULL	Medicine dosage
4	price	DecimalField	NOT NULL	Price of medicine
5	stock	PositiveIntegerField	NOT NULL	Medicine stock
6	image	ImageField	NOT NULL	Image of medicine
7	description	TextField	NOT NULL	Medicine description
8	Key_benefits	TextField	NOT NULL	Key benefits
9	How_to_use	TextField	NOT NULL	How to use the medicine
10	Safety_information	TextField	NOT NULL	Safety information
11	Other_information	TextField	NOT NULL	Other information about medicine
12	manufacturer	CharField	NOT NULL	Manufacturer name
13	Manufacturer_address	TextField	NOT NULL	Manufacturer address
14	Expiry_date	DateField	NOT NULL	Expiry date
15	category	CharField	NOT NULL	Category of medicine
16	Prescription_required	BooleanField	NOT NULL	Prescription is required for

CONCLUSION

PharmaCare+ is a comprehensive telemedicine and online pharmacy platform designed to provide seamless healthcare services. It enables patients to consult doctors remotely, receive prescriptions digitally, and order medicines online, making healthcare more accessible and efficient. While the existing system offers essential features such as appointment booking, prescription management, and medicine delivery, there is still room for improvement. Future enhancements, including AI-powered diagnostics, automated prescription management, integration with wearable devices, and blockchain-based security, will further enhance the platform's reliability and user experience. By continuously evolving, PharmaCare+ aims to revolutionize digital healthcare and provide a smarter, more secure, and patient-friendly solution.



THANK YOU