

# App Database Schema

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## User Table

Field	Type	Description
Id	INT (PK)	Unique identifier for the user
first_name	VARCHAR	User's first name
middle_name	VARCHAR	User's middle name (optional)
last_name	VARCHAR	User's last name
email	VARCHAR	User's email address
phone_number	VARCHAR	User's phone number
password	VARCHAR	User's hashed password
role	ENUM	User's role (admin, doctor, patient)
profile_picture_url	VARCHAR	URL to the user's profile picture
created_at	TIMESTAMP	Timestamp of record creation
updated_at	TIMESTAMP	Timestamp of last update

## Patient Table

Field	Type	Description
id	INT (PK)	Unique identifier for the patient
user_id	INT (FK)	Foreign key referencing the User table
date_of_birth	DATE	Patient's date of birth
gender	ENUM	Patient's gender (male, female)
allergies	TEXT	List of patient allergies
contact_number	VARCHAR	Patient's contact number
email	VARCHAR	Patient's email address
address	VARCHAR	Patient's address
created_at	TIMESTAMP	Timestamp of record creation
updated_at	TIMESTAMP	Timestamp of last update

## Appointment Table

Field	Type	Description
id	INT (PK)	Unique identifier for the appointment
patient_id	INT (FK)	Foreign key referencing the Patient table
doctor_id	INT (FK)	Foreign key referencing the User table
appointment_date	DATE	Date of the appointment
appointment_time	TIME	Time of the appointment
appointment_mode	ENUM	Mode of appointment (online, in-person)
status	ENUM	Appointment status (confirmed, canceled, pending)
reason	ENUM	Reason for appointment (consultation, follow-up, etc.)
description	TEXT	Description of the appointment
created_at	TIMESTAMP	Timestamp of record creation
updated_at	TIMESTAMP	Timestamp of last update

## Invoice Table

Field	Type	Description
id	INT (PK)	Unique identifier for the invoice
patient_id	INT (FK)	Foreign key referencing the Patient table
invoice_number	VARCHAR	Unique invoice number
amount_due	DECIMAL	Amount due for the invoice
due_date	DATE	Due date for payment
payment_status	ENUM	Payment status (paid, pending, overdue)
created_at	TIMESTAMP	Timestamp of record creation
updated_at	TIMESTAMP	Timestamp of last update

## Calendar Table

Field	Type	Description
id	INT (PK)	Unique identifier for the calendar entry
user_id	INT (FK)	Foreign key referencing the User table
event_type	ENUM	Type of event (appointment, task, reminder)
event_date	DATE	Date of the event
event_time	TIME	Time of the event
description	TEXT	Event description
created_at	TIMESTAMP	Timestamp of record creation
updated_at	TIMESTAMP	Timestamp of last update

# Task Table

Field	Type	Description
id	INT (PK)	Unique identifier for the task
user_id	INT (FK)	Foreign key referencing the User table
task_name	VARCHAR	Name of the task
task_priority	ENUM	Priority of the task (low, medium, high)
task_category	ENUM	Category of the task (consultation, check-up, follow-up)
task_due_date	DATE	Due date of the task
task_description	TEXT	Description of the task
created_at	TIMESTAMP	Timestamp of record creation
updated_at	TIMESTAMP	Timestamp of last update

# Message Table

Field	Type	Description
id	INT (PK)	Unique identifier for the message
sender_id	INT (FK)	Foreign key referencing the sender User
receiver_id	INT (FK)	Foreign key referencing the receiver User
message_type	ENUM	Type of message (text, video call, voice call)
message_content	TEXT	Content of the message
message_status	ENUM	Message status (read, unread)
created_at	TIMESTAMP	Timestamp of record creation
updated_at	TIMESTAMP	Timestamp of last update

# Health Tracker Table

Field	Type	Description
id	INT (PK)	Unique identifier for the health record
patient_id	INT (FK)	Foreign key referencing the Patient table
weight	DECIMAL	Weight of the patient
height	DECIMAL	Height of the patient
BMI	DECIMAL	BMI value
blood_pressure	VARCHAR	Blood pressure (e.g., 120/80)
pulse_rate	INT	Pulse rate
steps_count	INT	Number of steps taken
calories_burned	INT	Calories burned
created_at	TIMESTAMP	Timestamp of record creation
updated_at	TIMESTAMP	Timestamp of last update

# Group Table

Field	Type	Description
id	INT (PK)	Unique identifier for the group
group_name	VARCHAR	Name of the group
purpose	ENUM	Purpose of the group (follow-up, check-up, consultation)
created_at	TIMESTAMP	Timestamp of record creation
updated_at	TIMESTAMP	Timestamp of last update

## Group Member Table:

Field	Type	Description
Field	INT (PK)	Unique identifier for the group member
id	INT (FK)	Foreign key referencing the Group table
group_id	INT (FK)	Foreign key referencing the Patient table
patient_id	ENUM	Role in the group (member, admin)
role	TIMESTAMP	Timestamp of record creation
created_at	TIMESTAMP	Timestamp of last update

## All Tables.

- User Table
- Patient Table
- Appointment Table
- Calendar Table
- Invoice Table
- Task Table
- Message Table
- Health Tracker Table
- Group Table
- Group Member Table