

Database Structure

1. Users Table

Field Name	Data Type	Description
user_id	INT (Primary Key)	Unique identifier for each user.
username	VARCHAR(50)	User's chosen display name.
mobile	INT LONG	User's phone no
password	VARCHAR(255)	User's hashed password for authentication.
is_verified	BOOLEAN	Whether the user's email is verified.
timestamp	TIMESTAMP	When the user registered.

2. Hospitals Table

Field Name	Data Type	Description
hospital_id	INT (Primary Key)	Unique identifier for each hospital.
name	VARCHAR(100)	Name of the hospital.
lat	FLOAT	Latitude
long	FLOAT	Longitude
address	VARCHAR(255)	address of the hospital.
location	JSON	<ul style="list-style-type: none">• State• District• city
hospital_type	VARCHAR(50)	Type of hospital (e.g., government, private).
total_beds	INT	Number of beds available in the hospital.
facilities	TEXT	Facilities available in the hospital (comma-separated list).
contact_number	VARCHAR(15)	Contact number of the hospital.
email	VARCHAR(100)	Email address of the hospital.

3. Reviews Table

Field Name	Data Type	Description
review_id	INT (Primary Key)	Unique identifier for each review.
hospital_id	INT	Foreign key referencing Hospitals(hospital_id).
user_id	INT	Foreign key referencing Users(user_id).
review_content	TEXT	Content of the review.
attachment_url	VARCHAR(255)	URL of the attachment (image, document, etc.).
timestamp	TIMESTAMP	When the review was submitted.

4. Ratings Table

This table stores individual ratings from users for various categories.

Field Name	Data Type	Description
rating_id	INT (Primary Key)	Unique identifier for each rating entry.
hospital_id	INT	Foreign key referencing Hospitals(hospital_id).
user_id	INT	Foreign key referencing Users(user_id).
cleanliness_rating	DECIMAL(3,2) NULL	Rating for hospital cleanliness (optional).
facilities_rating	DECIMAL(3,2) NULL	Rating for hospital facilities (optional).
staff_rating	DECIMAL(3,2) NULL	Rating for staff performance (optional).
equipment_rating	DECIMAL(3,2) NULL	Rating for medical equipment (optional).
wait_time_rating	DECIMAL(3,2) NULL	Rating for wait time (optional).
accessibility_rating	DECIMAL(3,2) NULL	Rating for accessibility (optional).
overall_rating	DECIMAL(3,2)	Calculated overall rating (average of non-null categories).
timestamp	TIMESTAMP	When the rating was given.

We can add more categories here...

5. CategoryRatings Table

This table stores the aggregated overall ratings for each category. The overall rating for the hospital is calculated based on the average of the individual category ratings.

Field Name	Data Type	Description
hospital_id	INT (Primary Key)	Foreign key referencing Hospitals(hospital_id).
cleanliness_avg	DECIMAL(3,2)	Average cleanliness rating across all users.
facilities_avg	DECIMAL(3,2)	Average facilities rating.
staff_avg	DECIMAL(3,2)	Average staff rating.
equipment_avg	DECIMAL(3,2)	Average equipment rating.
wait_time_avg	DECIMAL(3,2)	Average wait time rating.
accessibility_avg	DECIMAL(3,2)	Average accessibility rating.
overall_avg	DECIMAL(3,2)	Overall average rating for the hospital (calculated).
last_updated	TIMESTAMP	Timestamp for when these averages were last updated.

We can add more categories here...