Table Design

1. Table: Users

Attribute Name	Type	Size	Keys	Constraints	Description
user_id	INT	-	PK	NOT NULL	Unique identifier for each user
username	VARCHAR	50	UNIQUE	NOT NULL	Username for login
password	VARCHAR	255	-	NOT NULL	Encrypted user password
email	VARCHAR	100	UNIQUE	NOT NULL	User's email address

2. Table: Properties

Attribute Name	Type	Size	Keys	Constraints	Description
property_id	INT	-	PK	NOT NULL	Unique identifier for each property
user_id	INT	-	FK	NOT NULL, REFERENCES Users(user_id)	ID of the user who owns the property
address	VARCHAR	255	-	NOT NULL	Property address
city	VARCHAR	100	-	NOT NULL	City where the property is located
state	VARCHAR	100	-	NOT NULL	State where the property is located
size_sqft	INT	-	-	NOT NULL	Size of the property in square feet

| bedrooms | INT | - | - | NOT NULL | Number of bedrooms |
| bathrooms | INT | - | - | NOT NULL | Number of bathrooms |

3. Table: Property Listings

Attribute Name	Type	Size	Keys	Constraints	Description
listing_id	INT	-	PK	NOT NULL	Unique identifier for each listing
property_id	INT	-	FK	NOT NULL, REFERENCES Properties(property_id)	ID of the property being listed
price	DECIMAL	10,2	-	NOT NULL	Listing price of the property

4. Table: Inquiries

Attribute Name	Type	Size	Keys	Constraints	Description
inquiry_id	INT	-	PK	NOT NULL	Unique identifier for each inquiry
listing_id	INT	-	FK	NOT NULL, REFERENCES Property Listings(listing_id)	ID of the listing being inquired about
user_id	INT	-	FK	NOT NULL, REFERENCES Users(user_id)	ID of the user making the inquiry
message	VARCHAR	300	-	NOT NULL	Message content of the inquiry
status	VARCHAR	100	-	NOT NULL, CHECK (status IN ('new', 'in_progress', 'resolved'))	Status of the inquiry

5. Table: Financial Metrics

Attribute Name	Type	Size	Keys	Constraints	Description
financial_id	INT	-	PK	NOT NULL	Unique identifier for each financial record
property_id	INT	-	FK	NOT NULL, REFERENCES Properties(property_id)	ID of the property being analyzed
metric_type	VARCHAR	100	-	NOT NULL, CHECK (metric_type IN ('revenue', 'expense', 'profit'))	Type of financial metric
amount	DECIMAL	10,2	-	NOT NULL	Amount of the financial metric
record_date	DATE	-	-	NOT NULL	Date of the financial record

6. Table: Admin Settings

Attribute Name	Type	Size	Keys	Constraints	Description
set_id	INT	-	PK	NOT NULL	Unique identifier for each setting
set_key	VARCHAR	100	-	NOT NULL	Key name of the setting
description	VARCHAR	255	-	-	Description of the setting