

Tables

1. Tweets
2. Users
3. Replies
4. QuoteRetweets
5. Mentions

Fields in each table

Tweets

- tweet_id** (Primary Key): The unique identifier of the tweet.
- user_id**: The unique identifier of the user who posted the tweet.
- tweet_text**: The text content of the tweet.
- created_at**: The timestamp when the tweet was created.

Users

- user_id** (Primary Key): The unique identifier of the user.
- user_name**: The name of the user.
- user_screen_name**: The screen name (handle) of the user.
- user_created_at**: The timestamp when the user account was created.

Replies

- reply_id** (Primary Key): The unique identifier of the reply.
- tweet_id**: The unique identifier of the tweet that the reply is associated with.
- user_id**: The unique identifier of the user who posted the reply.
- reply_text**: The text content of the reply.
- created_at**: The timestamp when the reply was created.

QuoteRetweets

- quote_id** (Primary Key): The unique identifier of the quote retweet.
- tweet_id**: The unique identifier of the original tweet that was quote retweeted.
- user_id**: The unique identifier of the user who posted the quote retweet.
- quote_text**: The text content of the quote retweet.
- created_at**: The timestamp when the quote retweet was created.

Mentions

- mention_id** (Primary Key): The unique identifier of the mention.
- tweet_id**: The unique identifier of the tweet where the mention occurred.
- user_id**: The unique identifier of the user who was mentioned.

Relationships between tables

- **Tweets** to **Users**: Each tweet is associated with one user (via user_id). A user can have multiple tweets.
- **Replies** to **Tweets** and **Users**: Each reply is associated with one tweet (via tweet_id) and one user (via user_id). A tweet can have multiple replies, and a user can post multiple replies.
- **QuoteRetweets** to **Tweets** and **Users**: Each quote retweet is associated with one original tweet (via tweet_id) and one user (via user_id). A tweet can be quote retweeted multiple times, and a user can post multiple quote retweets.
- **Mentions** to **Tweets** and **Users**: Each mention is associated with one tweet (via tweet_id) and one user (via user_id). A tweet can have multiple mentions, and a user can be mentioned multiple times.