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.