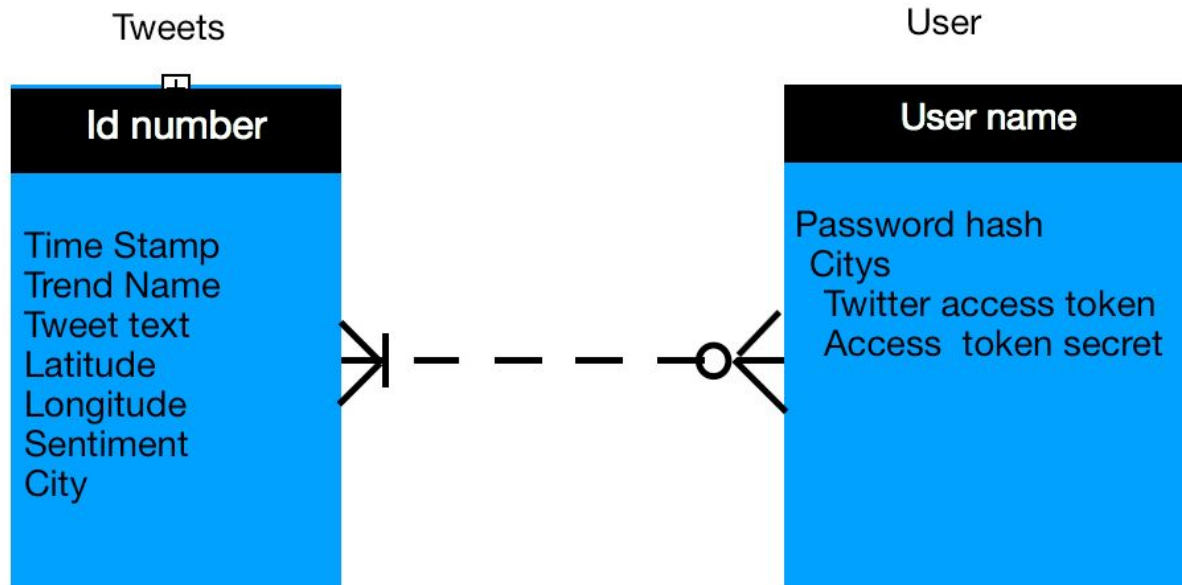CSCI 3308 MS 3
Team Sample

DBMS: MariaDB

Model database structure:

Description: The black box represents the Primary Key, all of the information in the blue boxes are values to be stored in each table. We have two tables: the Tweets table will contain the last 15 minutes of tweets, there can be multiple tweets tables to store more than just live data, as we will be able to access the previous Tweets tables for key word searching. The User table will contain a login so that some basic settings can be stored such as the twitter access token so that we can give personalized maps when a user connects to their twitter accounts. These tables have two primary keys an ID number which will increment with age, and a User name which will be unique to differentiate different accounts. These have a weak relationship as it is not necessary to have users to display a tweet map.

Link to db script: https://github.com/lalyon/csci3308/blob/master/Back/buildDatabase.py
Note that this is clearly not an SQL script, because attempting to use Twitter and Google API's in SQL is probably impossible. Also, you will not be able to run this script locally, even if you install all the modules. It requires a secrets.json file for api keys that is not inside the repo.