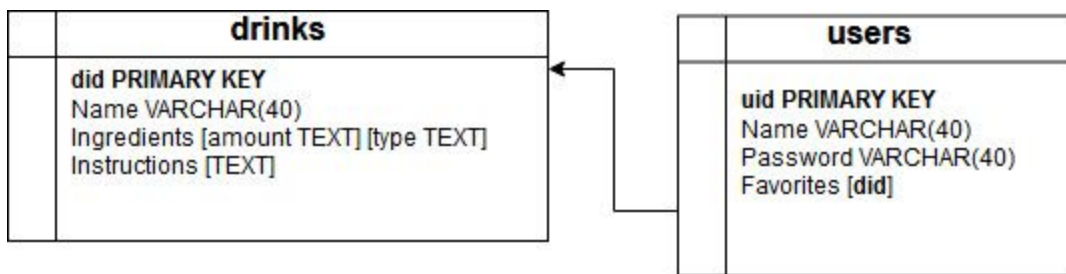# Tipsybuffs Project Milestone 4 – 11/18/2018

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Database Software: The tipsybuffs Heroku app uses Postgresql as the DBMS.

Database Creation:

Two tables (`drinks` and `users`) are created using queries in `createTable.sql`. The relation model for these tables is shown below. The `users` table contains an array of favorites which is related to the drinks table by the drink id number, `did`.

Since scraping data for drink recipes is time consuming, the data on drink names and ingredients was first scraped into an excel file so that we would have a hard copy of the data in case the database was ever corrupted. This initial recipe scraping is performed in `recipeScrape.py`. Further formatting was needed to clean up this data before pushing it into tables. This cleanup is performed in script `fixIngredients.py`. Finally, the drink names and ingredients were pushed onto the drinks table on our Heroku postgres database using script `fillDB.py`. The instructions for each drink recipe were then scraped and pushed to the drinks table using script `getInstructions.py`. All 947 drink recipes were scraped from https://www.thespruceeats.com. Implementing user functionality for tipsybuffs is a stretch goal, so for now the `users` table is created, but remains empty.

All postgresql queries and python scripts used in the creation and filling of our database are available in our git repository under the `recipe_scrape` directory at: https://github.com/DjRoxer/CodeCSCI3308Fall2018.