**PROJECT 2**

# Project proposal:

To visualize Beer Data Sets, market values, Ratings, and to find the Top 50 Beer in market.

**Data Sources:**

Data.world

Beeradvocate

brewerydb

# Analysis:

**1-Extract:**

BreweryDB.com API - <https://www.brewerydb.com/>

* The API program and data transfer are located in file: brewerydbAPI.ipynb
* This was done twice, we merged the data, and eliminated the duplicates in Excel.
* The data was stored in a CSV after cleaning it using Jupiter. Check our Resources folder.

Beer Advocate Data - <https://data.world/socialmediadata/beeradvocate>

* We directly downloaded a CSV

Beeradvocate- <https://www.beeradvocate.com/>

* We webscraped this website to find the top 50 beers.
* We built the code to extract all information needed.

**2-Transform:**

The datasets were loaded into a MySQL database. We created the database for each one. Then we used the data import wizard to load the CSVs in. We have relational data.

**3-Load:**

We developed a Flask app to load the data into a locally hosted website. You can call all the beer names for each set and you can also call all the data. The data is presented as a list of dictionaries.

# Collaborators:

Areej Edaibat

Isaac Asare

Justin Dooley

Sandra Regan