**Project 3: Recipe API Data Engineering**

**Group Member Roles**

1. **Extract/Transform Data**

* Decide which recipes to extract and build the base URL

\*\*Pick a theme for the recipes and try to filter them down to a number that is manageable, however maybe don’t filter by cuisine type because we want to include all cuisines 😊

* Choose which columns to include and design the table schema (ERD)

\*\*Maybe include both diet *and* health labels, which are both relevant nowadays, and put them in the recipes table

1. **Load/Clean up Data**

* Load the data using the table schema into a sqlite3 database
* Check to make sure data was loaded correctly
* Check data for NaN or zero values

1. **Flask route #1 & #2:** Use sqlalchemy to perform one analysis for each table and assign them to routes in Flask
2. **Flask route #3:** Use a library we haven’t covered in class to perform an analysis and assign it to a route in Flask
3. **Flask route #4:** Design a Flask route that allows the user to filter the data by one or more field (bonus if can use HTML/java to create search form)
4. **Summary:** Combine the code from all group members, make sure the code runs without errors, and write the readme file (see specific requirements)