**Project Plan**

**Brief:**

* Scrape simplyrecipes.com
* Scrape all recipes (recipe text / ingredients and category tags)
* Save in data database (NoSQL or SQL) – MongoDB whoop!
* Chart proposal –
  + **Scatter plot** and **stacked bar chart,** plotting tbc characteristics from collected data.
  + **Chord plot** – ingredients vs. recipe

The team love to cook and frequently use food-related websites, as a source for recipes to try.

Whilst there are ample food-related websites and blogs that allow you to search for recipes by various categories, those websites are a meca for ‘exit intent’, ‘time-based’, ‘length-based’ and click-triggered’ pop-ups.

These pop-ups make, what should be a seamless and enjoyable task of exploring recipes, time-consuming, volatile and frustrating.

The team wishes to address this issue by –

1. **Extracting, Transforming and Loading** – web-scraping a well-known recipe website for its recipes and associated parameters (such as ingredients, prep-time, cook-time etc), before tidying up the data and loading it into a NoSQL database.
2. **Plotly plotting** – utilizing plotly to plot the results for initial charting. Axis tbc
3. **JS Library** – we will use [taucharts](https://taucharts.com/) as our non-standard JS library. This lbrary has flexible charting options for data exploration. It also uses CDN, so we’ll only require these lines of code –

Taucharts via jsdelivr CDN -

<script src="https://cdn.jsdelivr.net/npm/d3@4.13.0/build/d3.min.js" charset="utf-8"></script>

<script src="https://cdn.jsdelivr.net/npm/taucharts@2/dist/taucharts.min.js" type="text/javascript"></script>

CSS framework -

<link rel="stylesheet" type="text/css" href="https://cdn.jsdelivr.net/npm/taucharts@2/dist/taucharts.min.css">

1. Python Flask – we will utilize HTML/CSS/Bootstrap and JavaScript to as a way of presenting our results.

**Links:**

Github: https://github.com/SaltireSequence/group-project-2

Dataset: http://www.simplyrecipes.com

**Screenshots:**

(3 or 4 screenshots of relevant, “inspiring” visualizations that frame your creative fodder)

**![A screenshot of a computer

Description automatically generated]()**

**A close up of a logo

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**Sketch of final design:**

(A sketch of the final design of chart)

A close up of a piece of paper

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**GitHub Link:**

(A link to the primary GitHub repository you’ll be housing your work in)