**Progress Report for Backend:**

1. **Data Collection**

Selected Kaggle dataset: <https://www.kaggle.com/datasets/pes12017000148/food-ingredients-and-recipe-dataset-with-images>

1. **Data Cleaning and Transformation:**

Removed unwanted or redundant columns and blanks rows

For extracting the ingredients of a recipe in a form of a list, we made use of ChatGPT API

1. **Data Modelling:**

After careful observation of the recipes data, the data model that was the most promising one is as follows:

* Recipe-count //keep count of total recipes in the DB
* For each recipe, we’ll have:
* Recipe-name#1 //string
* Recipe-procedure#1 //string
* Recipe-photo#1 //string
* Recipe-ingredients#1 //set

Where 1 represents recipe-count\*

1. **Data Loading:**

After data cleaning and transformation, the records from the CSV were loaded into the redis database