Meeting 2 with Professor - 11/14/2024

Questions for program to ask:
- Is this edible?
  - To answer: find the closest recipe in the ground truth that matches the generated recipe
- Is the nutritional information correct?
  - To answer: break up down ingredients into amounts and then calculate using the USDA food API
- Does this generated recipe answer the prompt?
  - Ex: if asked for a diabetic recipe, the generated recipe should not include a lot of sugar
  - To answer: a mixture of info from the previous two questions

Things to decide on:
- Which nutritional information should we focus on. Probably calories, carbs, sodium, pick a few.
  - Will check with the public health professor later
- One person can focus on breaking down the ingredients into amounts and the other can focus on using the USDA API

Next steps:
- Generate recipes using API
  - Should look into using gemini API
- Check generated recipe ingredients against the USDA database using API for caloric content
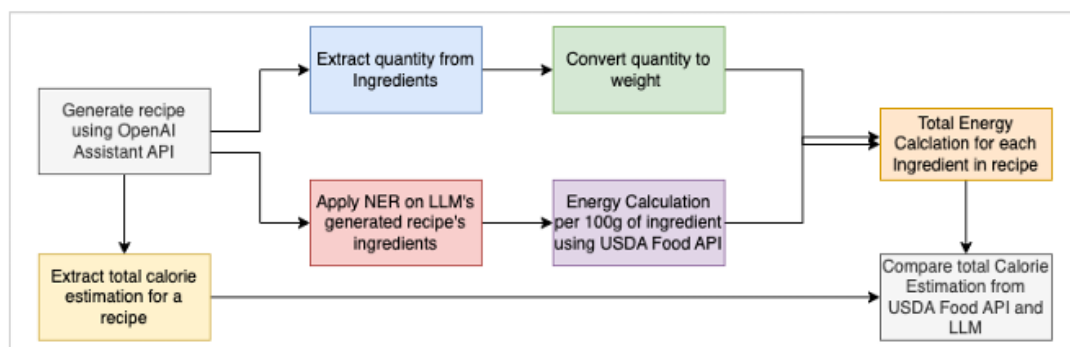
Figure discussed:

Fig. 3. Processing pipeline for evaluating the accuracy of reported calories in an AI-generated recipe.