Data Based Baking

# Introduction

My wife loves to bake with unique ingredients (monk fruit, erythritol, xylitol, etc) in order to make healthier baked goods. Most food/recipe websites are heavily focused on meals and counting calories to lose weight, not iterating on a unique baking recipe.

For my capstone project, I’d like to build a website that allows her to input ingredients into a database, build/iterate on recipes using those ingredients, and compare nutritional information between recipe versions with an emphasis on baked goods.

Expected List of Features

Manage ingredients with full nutritional information and baking notes.

Manage and version recipes.

View nutritional information and notes on recipes/versions of recipes.

Compare nutritional information between recipes/recipe versions.

Preview how recipes will change if ingredients are substituted with a different ingredient.

Market Survey

There is a multitude of different food tracking websites, but the focus is always on losing weight. Some websites allow you to enter custom ingredients, but they don’t track all nutritional information. In general, the focus is tracking calories, not necessarily fiber, carbohydrates, and different fats. Recipes can be made and altered, but I didn’t see any features designed around iterating on a recipe. Viewing limited nutritional information and comparing recipes is common. Data visualizations exist, but they’re more focused on timelines, again, tracking calories to weight loss over time.

References

<https://www.myfitnesspal.com/>

<https://www.loseit.com/>

<https://cronometer.com/>