

Project Proposal

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Title: Ingredient Tracker

Description: An application that can recommend recipes based on what ingredients a user already has. Can also list ingredients needed to make a given recipe.

Actors: user

Functionality:

- User can sign up
- User can log in
- User can add ingredients and amounts to digital pantry
- User can adjust amounts of ingredients in pantry
- User can remove ingredients from pantry
- User can search for recipes that only use ingredients already in pantry
- User can sort recipes by number of ingredients not in pantry needed
- User can auto adjust ingredient amounts down by the amount used in a recipe
- User can list all ingredients needed for any recipe
- User can add custom recipe
- User can define substitutions, allowing some ingredient to count as any other chosen ingredient when searching or sorting recipes
- User can blacklist chosen ingredients, hiding recipes from search and sort
- User can save recipes
- User can browse his/her recipe history

Stretch Functionality:

- Track cooking devices owned and needed
- Build substitutions into recipes