Design Doc

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Application scope

We will build "CanICookIt?" app.

Objective:
This app helps anyone who wants to cook something find the matching recipes based on the list of ingredients he/she currently has.

Users - Target audience:
- Students:
  - Being a college student myself, I understand the pains of learning how to cook coming from a background with no experience in cooking. This app will provide some structure , guidance and serve as a good starting point for any student
- Cooking Enthusiasts:
  - This app will also appeal to people who are genuinely interested in cooking by providing them the necessary info to get started and also match recipes based on what ingredients they already have
- Chefs:
  - The app allows chefs to discover dishes from international cuisines that they are not familiar with

User stories
1. John, a masters student, who has no prior experience with cooking, would like to know what he could cook with the ingredients available at his home. He enters the ingredients he has to his dashboard and based on this information, he can find recipes that he has most of the ingredients for

2. Vyshaali, a young mother, wants to cook something special for her daughter for her birthday, she wants to cook something she hasn't cooked before and finds a recipe on this platform that satisfies her requirements. She looks it up and figures out what she needs to buy to make the meal and make her daughter have a special birthday

3. Harsha, is a chef in India who wants to learn some Italian dishes to expand his repertoire of dishes that he knows and searches for Italian recipes on the app that he can cook.

Design mockups

Ingredients Page

[ ] [Add]   [Recipes]

Ingredients	Quantity	Delete	Add to search
egg	~ ⌃⌄	X	✓
sugar	~ ⌃⌄	X	✓
flour	~ ⌃⌄	X	[ ]

Add to search must pass this JSON:
[egg, sugar, flour] to api/recipes

Recipes Page

Search Results:

[img]   [img]
title   title

[img]   [img]
title   title

Recipe details:

Title

[ ]

Ingredients
———— ← matched
————
————

Instructions
————
————

Functionalities and work division:

User ingredients page with CRUD operations on ingredients collection (@Anshul Mathew)
- User can add new ingredients he/she has at home
- User can view how many ingredients he/she possesses
- User can delete an entire ingredient if he/she has finished all of it

Recipes page with CRUD operations on Recipes collection (@Katerina Bosko)
- User can create recipes by entering ingredients required for a dish
- User can update the recipes
- User can view the recipes
- User can delete recipes from their collection

User can search for recipes based on ingredients he/she currently has (@Anshul Mathew, @Katerina Bosko)