RecipeCollector

Course Mini Project, Computational Gastronomy (BIO544), IIIT Delhi (Monsoon 2022)

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Brief Description:

A web application for crowdsourcing recipes from lay users.

Data Used:

Cubits - lists of units, ingredients, forms, processes, and utensils provided by **CoSyLab**.

Tech Stack:

1. **Framework and Runtime**: We made an ExpressJS-based web application with Node.js runtime.
2. **UI**: The UI is implemented using Embedded Javascript (ejs) templates styled using Bootstrap 4.
3. **Database**: The data is stored and retrieved from a MongoDB database at the backend.

GitHub Repository: https://github.com/rameez03/RecipeCollector

Deliverables:

1. The web application has two sections:
    a. Add Recipe: to crowdsource recipes from the users and
    b. Search Recipe: to search for the crowdsourced recipes based on title, ingredient, process, or utensil.

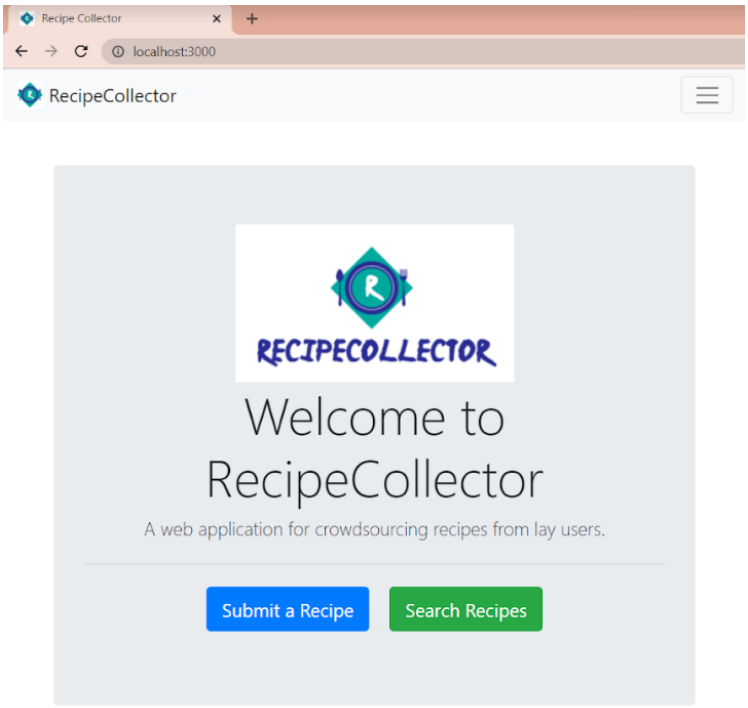
2. The recipe submission section allows users to enter ingredient phrases followed by instructions to cook the recipe, which will be stored in the database upon submission.
3. A single ingredient phrase will be collected as a quadruple {quantity, unit, ingredient name, form}.
4. An instruction is collected as a quadruple {process, ingredient, utensil, description}
5. The recipe search section provides functionality to search crowdsourced recipes based on title, ingredient, process, or utensil.

Future Work:

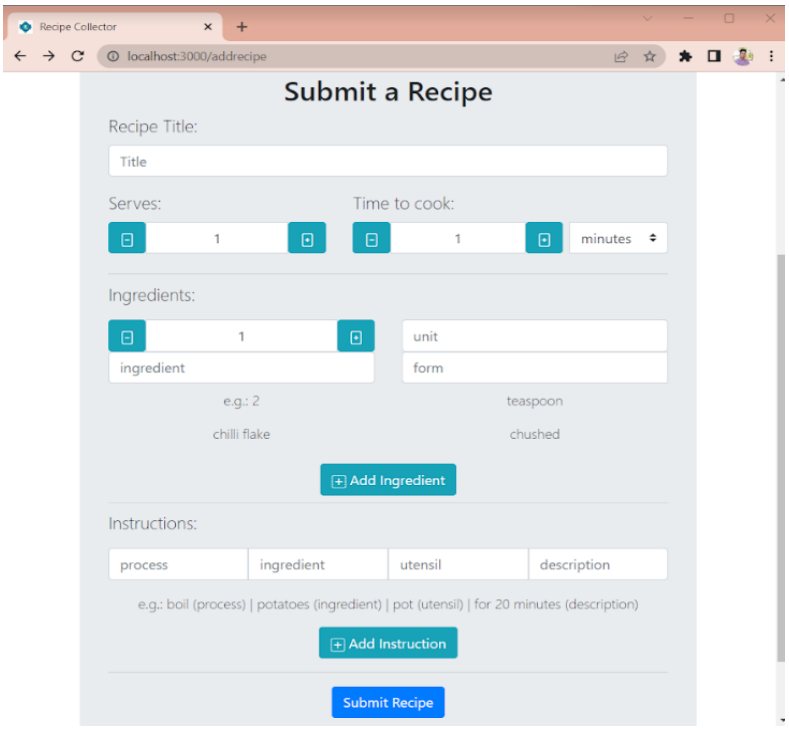
1. Ability to add multiple forms in a single ingredient phrase
2. Ability to add multiple ingredients in a single instruction
3. Search Filter based on whether the user wants query results to match exactly, start with or end with the search term
4. Ability to sort the search results based on title, ingredient, process, or utensil

Screenshots:

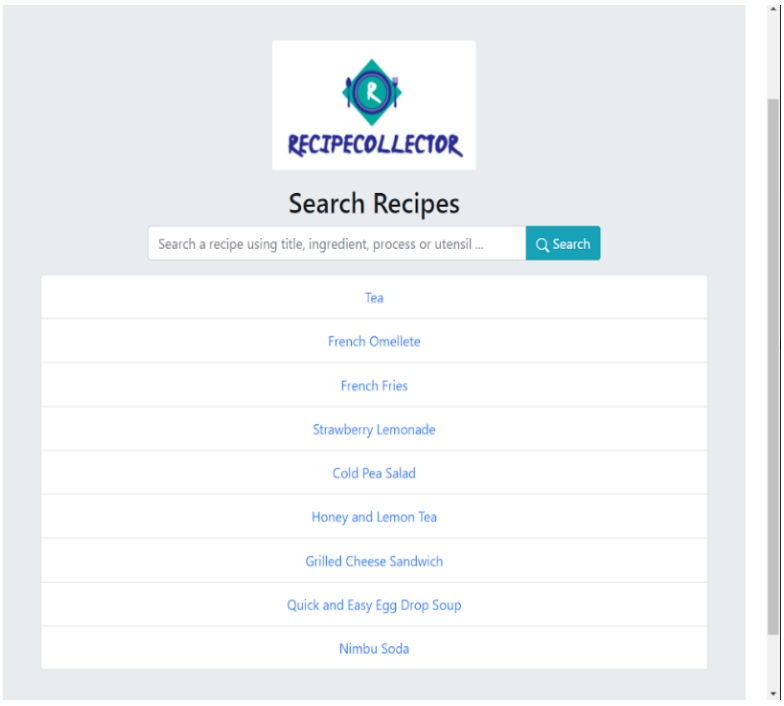
1. Landing page

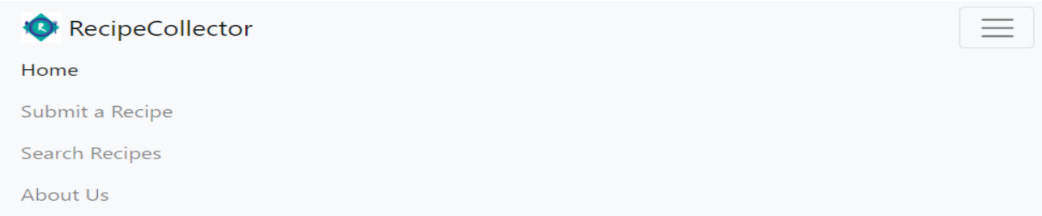


2. Recipe Addition



3. Recipe Search



4. Recipe view

5. Navigation Bar