

Group 7: Hestia

User Documentation-CannyKitchen

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Project Description:

CannyKitchen is an online meal-plan generator which is created to help the users find the most efficient recipes in a specific time period.

Requirements:

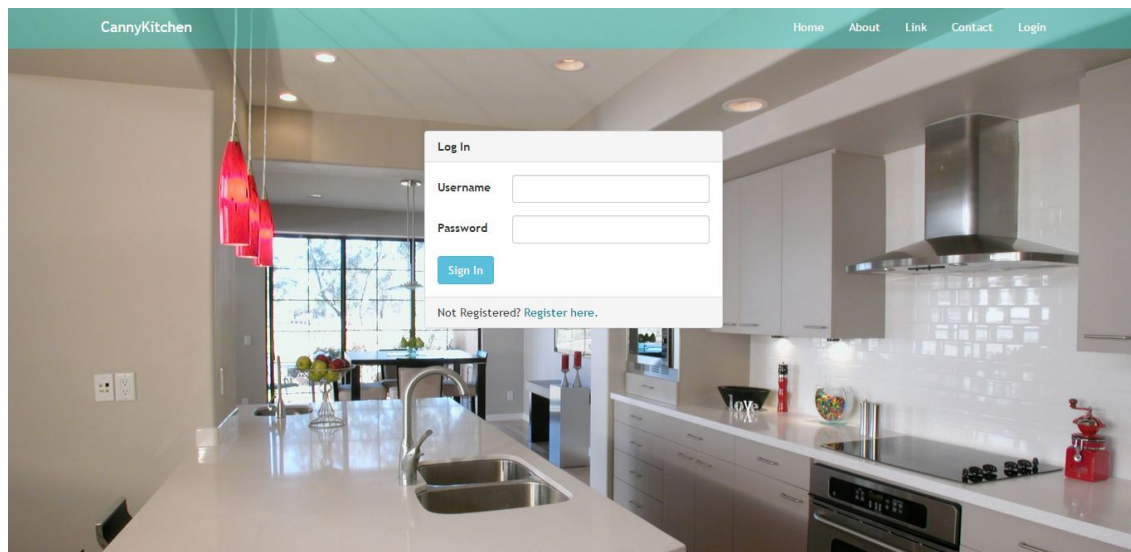
It's required for our users to have an access to the internet through computers, smartphones, or any other mobile devices as CannyKitchen is a web-based application.

Since our project is at the beginning stage, we haven't integrated a real recipe database nor it does have the fastest speed due to the monetary and time limits.

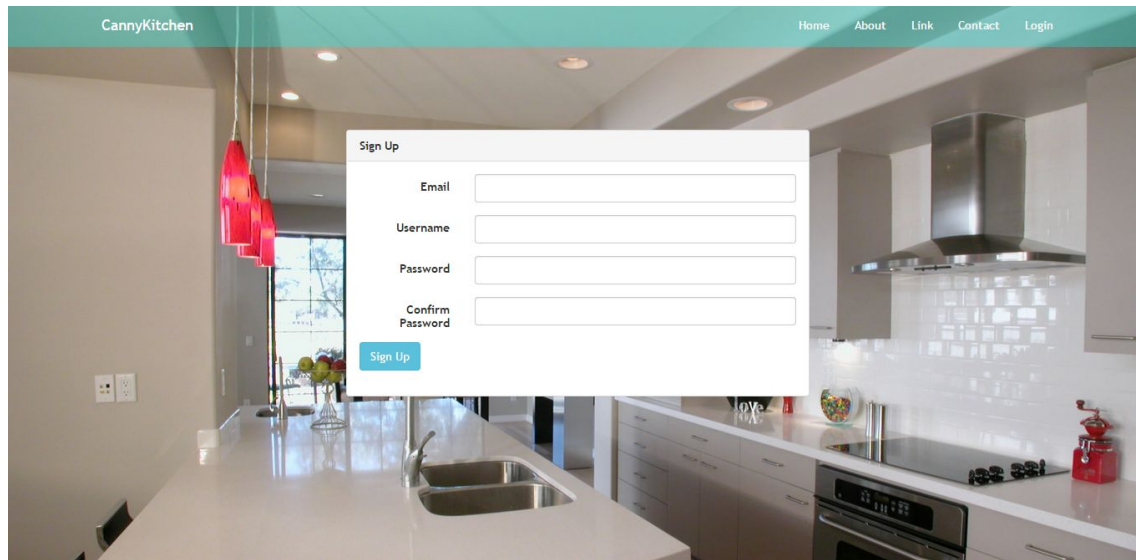
Instructions:

Login:

(0) Users may login to their accounts to save their recipes. They are required to register for the site firsthand by setting their username/email and password. Once they log in, they can view recipes and plans they saved before at saved recipe menu.



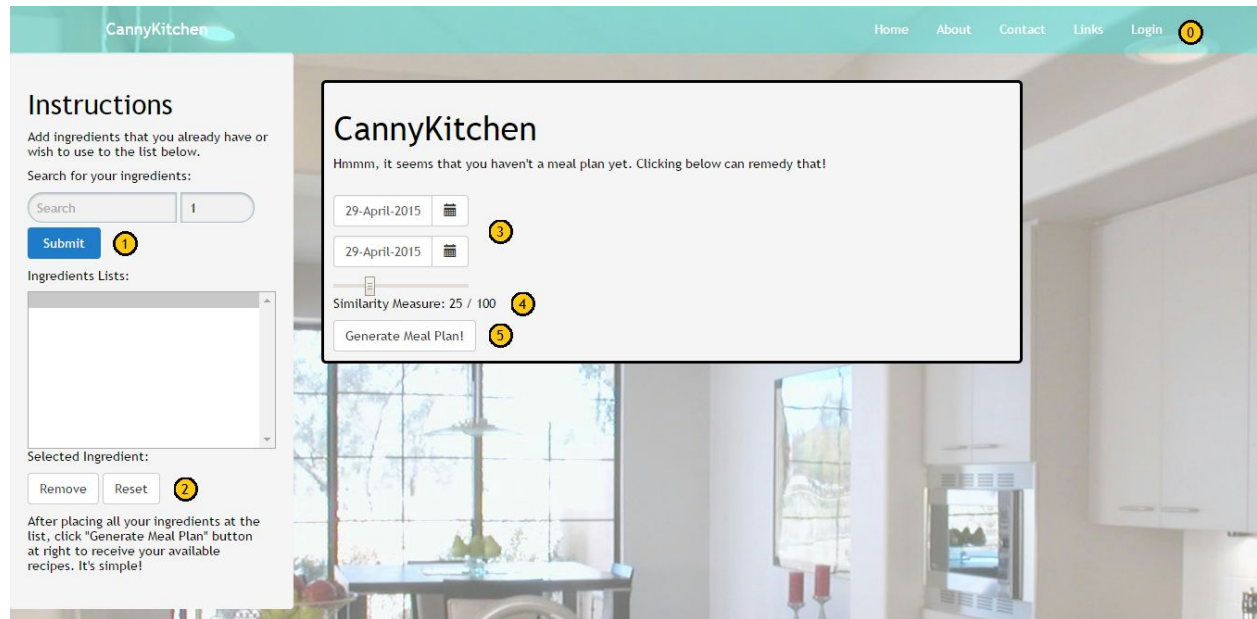
Register Account Screen:

The image shows a web browser displaying the 'CannyKitchen' website. The background is a high-quality photograph of a modern kitchen with white cabinetry, a stainless steel range hood, and a white countertop. A 'Sign Up' form is overlaid in the center. The form has a title 'Sign Up' and four input fields: 'Email', 'Username', 'Password', and 'Confirm Password'. A blue 'Sign Up' button is located at the bottom left of the form. The website's navigation bar at the top includes links for 'Home', 'About', 'Link', 'Contact', and 'Login'.

Input ingredients:

(1) Users are able to search through pre-selected ingredients in the database. As noted at the UI, this is where our users should begin their experience at CannyKitchen and we made sure to give them easy instructions to follow what's recommended. Users have an option to include units in addition to the ingredients they have placed through the search box. Our search box is designed to reject inputs that aren't in the database nor inputs that are already at the selected ingredients list.

(2) If our users made a mistake, they can correct their mistakes by deleting certain ingredient(s) through remove/reset button located below the ingredient list box. And once they are ready, they can move to the next step of generating a meal plan which is located at the right of the ingredient selection box.



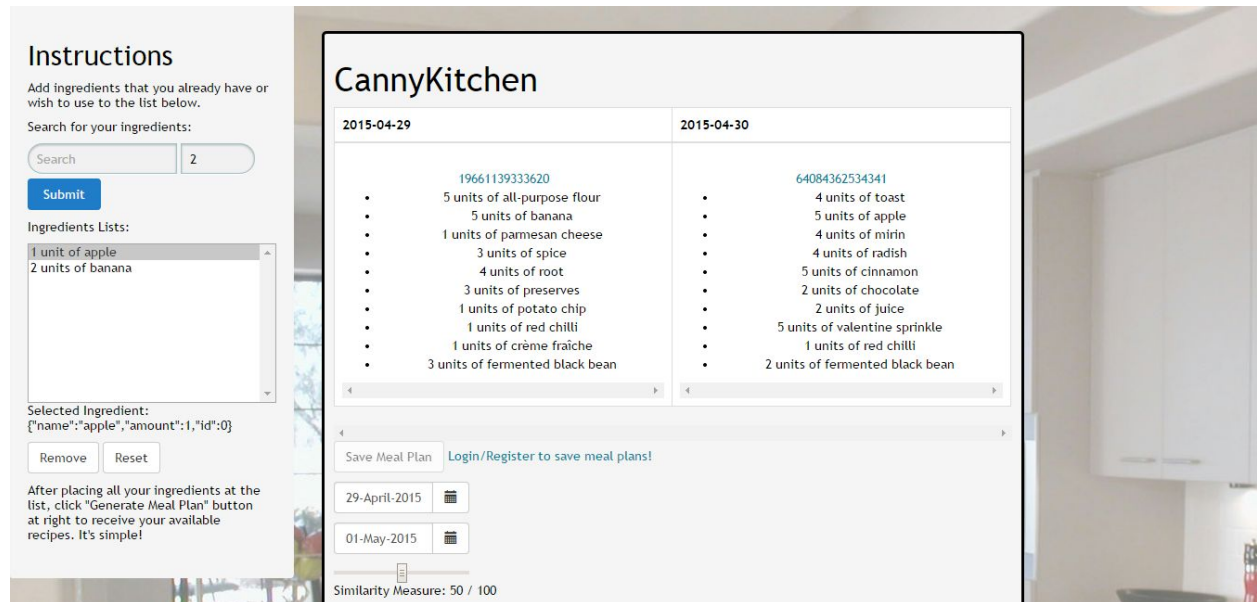
Generate meal plan:

(3) Once our users are finished with inserting the ingredients they wish to use at the left side, they have to set a time period which CannyKitchen will process their recipes for. We have included the calendar UI so our users can set their time period in an easier way. The date at the top refers to the beginning day of the meal plan, and the date at the bottom means the ending day for the meal plan.

(4) The similarity measure takes account of the ingredient list from the left side and will give you a meal plan which is determined on how close it is to the user's input.

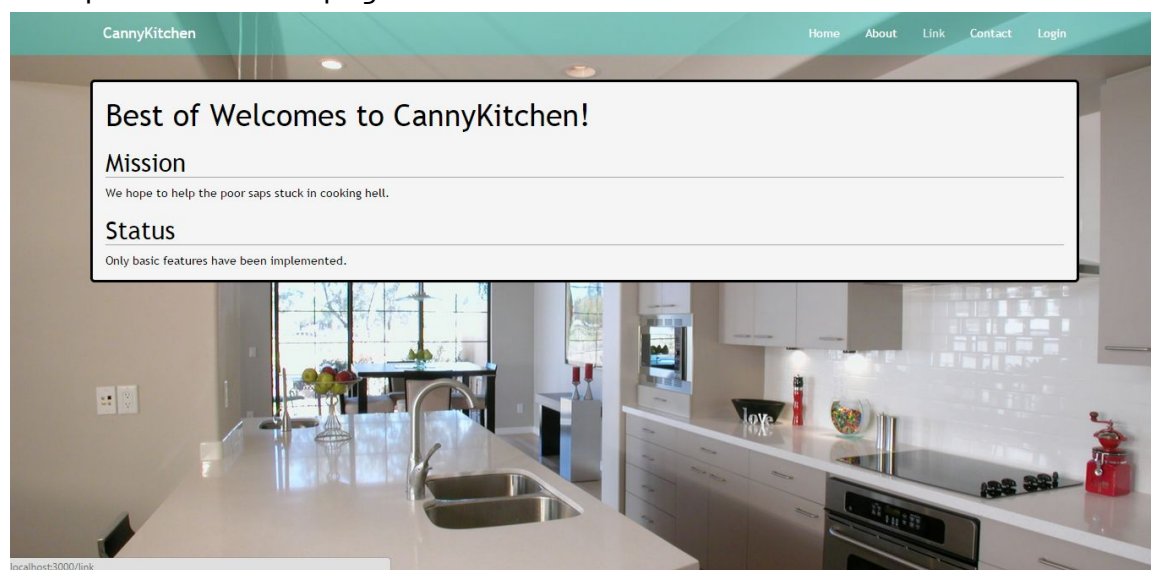
(5) Once that's complete, they can click the "Generate Meal Plan" button which will generate the most efficient recipes for the time period they have selected. It will take some time for CannyKitchen to finish its job, and the waiting time is variable depending how much it reaches out to its server. But once the waiting is complete, our users will be given available recipes for the time period they have selected through the calendar. They are also allowed to save the resulting meal plan if they are logged in.

Example of an result:



Home/About/Contact/Links: Our clients are given the contacts of the creators and the project descriptions/motives through the links on the menu bar above. We also have included several helpful online links which would provide extra information about ingredients and calculators which will facilitate the process with numbers. Clicking Home will lead to the users to the main screen where they can input their ingredients and generate meal plan.

Example of the About page:



User Scenario:

Jenny has an amount of unused ingredients at her refrigerator and she wants to use them all before they reach their expiration dates. She goes to CannyKitchen with her laptop with the list of unused ingredients written down on a sheet of paper. Jenny sets up an account at the website and logs in with her new ID so she has a chance to bring in her saved recipes later.

Jenny moves her mouse over to the ingredient selection box at the left side, and puts in one unit of apple and two units of banana at the search box. She notices her inputs showing up at the box and decides she should delete banana from the list as she decides she should give those away to her neighbor. Jenny shades in banana and clicks remove button to delete banana from the list.

And then, she moves her mouse to the right side and sets the period with the calendar function integrated at the website. She chooses a week's period of time from today and sets the similarity measure at 50%. This will allow her to look for most efficient meal plan which will be 50% close to her input of one unit of apple. She then clicks "Generate Meal Plan" button and after some wait, CannyKitchen gives her a meal plan which will use apple in a week period. She then clicks "Save Meal Plan" button to save the result so she can check the meal plan as a reminder later.

Summary:

The main goal of CannyKitchen is to provide the most efficient meal plan for the users who have unused ingredients at their hand. With that in mind, we have tried our best to satisfy our future clients through an easy and quick experience at CannyKitchen. We have integrated simple UI, meal plan optimization system, and capability to save recipes for later uses.

However, because of the project being initial stage and there were monetary and restraints, we haven't implemented some of the features as taking real recipe database, reducing the waiting time, nor more advanced UI designs. Also, during our presentation, we were given many helpful advices from Professor Simpkins such as the need to place graphical alerts so the users can find out how much time they have remaining to receive their meal plan.

So if there is a need for this project to go further, these are where the website should begin its new steps on. Although we felt some of our initial goals weren't as satisfactory as we wished, we are satisfied with the final delivery in general, and we

would like to thank each of our members and Professor Simpkins for our hard work throughout the semester.