CS 411 PROJECT.

Cookey is a website that allows users to figure out what recipes they want to make and figure out what ingredients they're missing for all their favorite recipes. They are able to search other users' recipes either by name or by user id. Each user has a collection of recipes with prices attached to each of the recipes. Other users can also see the ingredient prices.

Describe what data is stored in the database. (Where is the data from, what attributes and information would be stored?)

Dish(Name, dishId, Ingredient, Measurement, PricePerUnit) Recipes (userid, Dish , PriceTotal), Users(userid,Recipes), DishId(userid, dishId),

What are the basic functions of your web application? (What can users of this website do? Which simple and complex features are there?)

A user will be able to add recipes with ingredients and how much of each ingredient. Then using their price we will tell the user how much money it costs to buy the said ingredients. Other users can search for users or recipes they want to make.

What would be a good creative component (function) that can improve the functionality of your application? (What is something cool that you want to include? How are you planning to achieve it?)

A good creative component we could add to improve the functionality of our application is animations. We could include animations/visual effects to help the user navigate and learn how to use the app. We could also include a search function for users and recipes so it is easier to find a specific recipe.

Description of an application of your choice. State as clearly as possible what you want to do. What problem do you want to solve, etc.?

We want it to be easier for people to access recipes and learn how to cook new foods. We want to create a community where people can freely share recipes with each other. We hope to solve the problem of having to search for recipes all over the web and want to gather it all in one place. People will also be able to be creative and share recipes they created even if their recipe is not a traditional recipe.

Usefulness. Explain as clearly as possible why your chosen application is useful. Make sure to answer the following questions: Are there any similar websites/applications out there? If so, what are they, and how is yours different?

There are many cooking websites out there but most do not list the prices of the ingredients. They also often cater to one type of cuisine (ex: italian food, chinese food, etc). We want our website to feature users from different backgrounds and have recipes available for a wide range of cuisines.
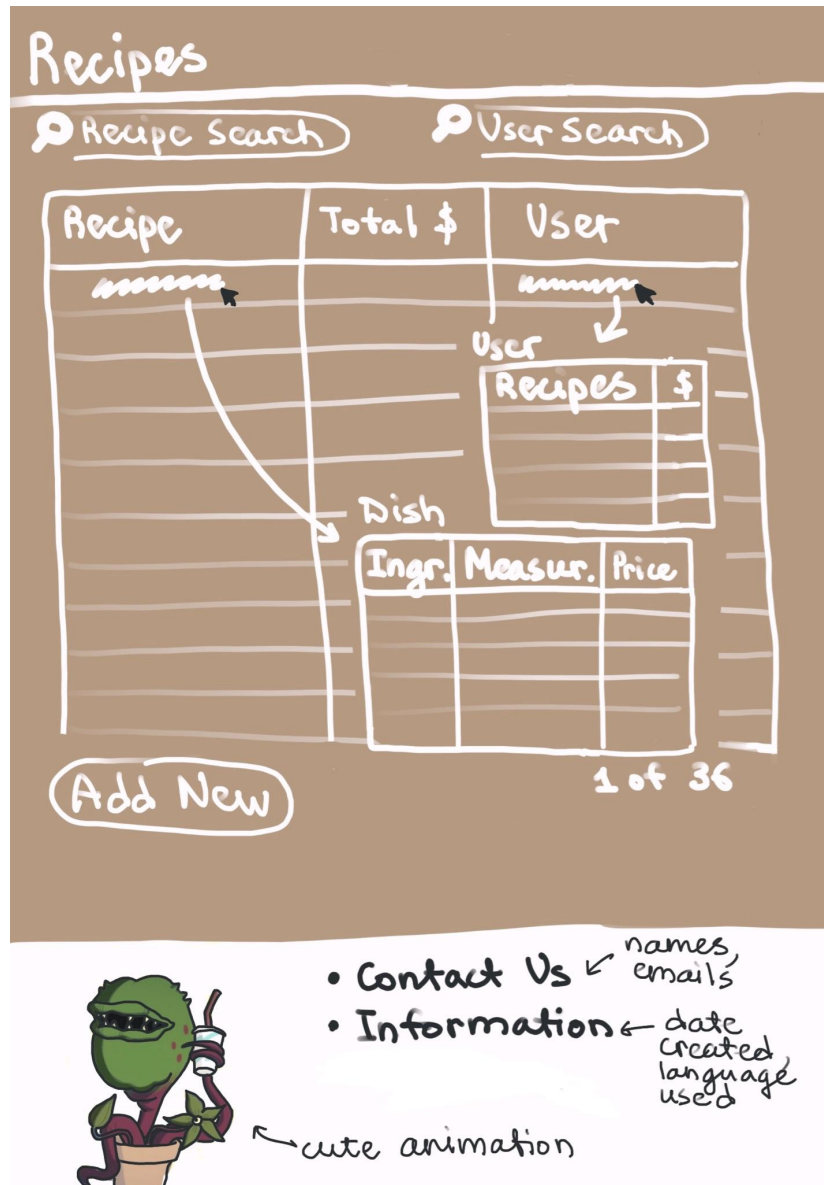
Realness. Describe what your data is and where you will get it.

Most of our data such as recipes is user generated. For groceries prices, we could use https://www.bls.gov/regions/mid-atlantic/data/averageretailfoodandenergyprices_usandwest_table.htm for the price of basic goods but we will also allow the user to add prices for other ingredients not on this list.

Description of the functionality that your website offers. This is where you talk about what the website delivers. Talk about how a user would interact with the application (i.e. things that one could create, delete, update, or search for). Read the requirements for stages 4 and 5 to see what other functionalities you want to provide to the users. You should include:

The user will be able to create new recipes, add prices of unique items, and add ingredients to recipes. The user will be able to delete their own recipes and delete ingredients within a recipe, and also unique ingredients. The user will be able to update recipe names, ingredients, price, and measurements. The user will be able to search for ingredients, recipes, and other users.

A low fidelity UI mockup: What do you imagine your final application's interface might look like? A PowerPoint slide or a pencil sketch on a piece of paper works!

Project work distribution.

Person 1: Main page, design, Contact Us and Information, search feature

Person 2: Links to different pages, implementing delete

Person 3: Recipe, Dish, User, Add New tables, implementing insert