"Fancy Drinks" Project Proposal

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I am proposing that I create an application that helps easily find cocktail drinks that is suited to the user's taste palette. I am mainly focusing on a few selected groups of people:

- People who are interested in trying out new drinks, but are too scared to actually go out and explore
- Enthusiasts wanting to experiment with different ingredients in their drinks
- Party goers who wants to create interesting drinks for their friends

The reason why I decided to pursue this idea and make this application a reality is because I know that there are people who are passionate about their flavors in their drinks. Even I have family members who adores going out and trying new flavors. Sometimes it is hard to find drinks that caters to their liking because they want a certain flavor to be included in their drinks. Yes, there are other sites and Google to help find a variety of drinks, but with this application I plan to have the drinks listed with their picture, ingredients, and steps. The thing that differentiates my idea and others is that I plan to give the user the power to choose specific ingredients that they want in their drink. If they ask for a drink that contains both "rum" and "blueberries", my application will filter out all the drinks that does not have both the ingredients in their ingredients list.

Data Source and Planned Processing

My project will be using data from an interesting website called *TheCocktailDB.* This website is a database full of different mixtures of drinks and ingredients. This site allows you to find a drink by looking through photos or typing out the name of a drink you wanted to try. I will be creating either a list or dictionary that will comprise of all the drinks and their ingredients. With that, I will be able to filter out drinks based off the user's choice.

As one of the first few steps that I will be taking to create this website, I will be creating a dictionary of all the drinks that is listed in this database with its value as a dictionary full of ingredients, a tuple. With this, I will set parameters to let the users input what ingredients they want included within the drink. Based off their answers, the program will sort out and filter all the drinks that does not contain any of

the request ingredients. To do this, I will most like create another dictionary with only the drinks with the listed ingredients. Then I will have the website show all the drinks with their images, ingredients, and instructions on how to make it.

Tentative Development Plan

Week 1

1. Write the basic code to reach the cocktail database by using its API
2. Create the dictionary of all the drinks

Week 2

1. Implement parameters to let the users input ingredients as filters
2. Create the second dictionary with the drinks with the ingredients

Week 3

3. Start messing around with the Google App Engine and try to figure out how to store everything to that
4. Finish editing the site to make it look presentable

If time permits…

1. Make the website fancy (add fonts, designs, borders)
2. Maybe implement a way to filter out ingredients that gets rid of the drinks with the given ingredients (so like the exact opposite of what the original idea was)