Zdenek Andrew Bocek

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**Formal Proposal For My First Capstone Project**

1. My website will be called Name Your Poison and its objective will be to return cocktail names and their recipes to users based on user queries into forms I will create.
2. Users who visit my site will be anyone who wishes to search for either non-alcoholic or alcoholic cocktails and wishes to get better at mixology.
3. I plan on using the API called TheCocktailDB, https://www.thecocktaildb.com/api.php?ref=apilist.fun, which will help me return cocktail names, or ingredients or recipes, to users.
4. My schema will have a Python file which will connect to the API. It will also have a models Python file which will create several tables based on ingredients that are used in cocktails. There will be a table also with the names of the cocktails and it will also carry instructions on how to make the cocktail. There will be several html pages featuring loops which search for ingredients, names, recipes, etc.
5. The user might not find a cocktail under a certain name, or an ingredient might not be listed, in which case, I will have to use try except clauses.
6. I will use BCrypt to secure usernames and passwords for each new user.
7. It will include form fields which will help the user locate a cocktail they are looking for. Initially, when users first access my site, I will ask them to create usernames and passwords for themselves.
8. They will be taken first to a registration or login page, depending on whether they are new to the site or not. They will then be taken to their account, which will feature a database with their past queries and the results for those queries. They will also have the option of adding or deleting cocktails.
9. Finally, if they are professional mixologists or they feel very confident, they can search for ingredients and create instructions which will be stored in the database and they will inform users how to create their very own signature cocktails.