1. **Introduction**

**1.1 Purpose**

To easily search and display cocktail drinks based off of the current ingredients in their kitchen. Ingredients will be stored in a virtual cabinet. Select specific cocktail drinks from a list and display their recipes and pictures. Features will include refining search by rating, rating specific cocktails and users adding their own cocktail recipe to the database.

**1.2 Definitions, Acronyms and Abbreviations**

Ingredients Includes both alcohol and non-alcoholic beverages

Cocktail Finished beverage

Cabinet Virtual fridge of ingredients

1. **System Requirements**

**2.1 Actor(s)**

User

**2.2 High Level Flow**

**2.2.1**

**Use Case:** Add Ingredient to Cabinet

**Intention in Context:** Add any ingredient to your virtual cabinet

**Primary Actor:** User

**Main Success Scenario:**

1. Start to search for a specific ingredient in the search bar
2. Drop down menu appears to select a certain ingredient from the list
3. The selected ingredient is then added to your cabinet.

**2.2.2**

**Use Case:** Display Cocktail

**Scope:** Interface and Cocktail Database

**Level:** User Goal

**Intention in Context:** The intention of the user is to obtain the recipe of a specific drink they have selected.

**Primary Actor:** User

**Main Success Scenario:**

1. User selects a drink after a search using their ingredients or a specific search.
2. Program retrieves the recipe and a picture of the cocktail from the cocktail database.
3. Displays the recipe and the picture to the user.

**2.2.3**

**Use Case:** Create a Drink

**Scope:** Interface and Cocktail Database

**Level:** User Goal

**Intention in Context:** The intention of the user is to add a new cocktail that is not available on the cocktail database.

**Primary Actor:** User

**Main Success Scenario:**

1. User selects the option to add a cocktail to the cocktail database.
2. User enters in the name, recipe and a picture of the new cocktail.
3. The system will check if a copy of the drink is already in the database.
4. If the cocktail is unique, it will be added to the cocktail database.

**Extensions:**

3a. If the cocktail’s name is the same as another cocktail, ingredients will be checked to see if they are the same.

3a.1. If the ingredients are the same, the cocktail will not be added to the database and the user will be notified.

3a.2. If the ingredients are not the same, the user will be notified that the name is already taken and will jump to step 2.

3b. Ingredients of the new cocktail will be searched to find if there is a copy of the drink.

3b.1. If there is a cocktail with the same ingredients, the user will be notified that the cocktail already exists and will display the name of said cocktail.

3b.2 If there is not a cocktail with the same ingredients, jump to step 4.

**2.2.4**

**Use Case**: Search By Rating

**Actors**: User

Flow

1. User enters item to be searched in search bar
2. User selects range of ratings to be included in returned search
3. System returns a list of results that are within the range of ratings described by user

**2.2.5**

**Use Case:** Refine Search

**Primary** **Actors:** User

**Main Success Scenario**

1. User extends search query to show advance options

2. User refines search by rating

3. System searches’ database

4. System displays all matching drinks

**Alternative Flow**

2.a User refines search by recipes that use “this” alcohol

2.b User refines search by drinks only I can make

2.c User refines search by recipes that use “these” ingredients

**2.2.6**

**Use Case:** Search for Specific Cocktail

**Intention in Context:** Searching for a specific cocktail in the database regardless what you have in your cabinet

**Actors:** User

**Main Success Scenario:**

1. Search for a certain drink in the designated search bar
2. Select the cocktail from a list from the database
3. Reach the cocktail display screen.

**2.2.7**

**Use Case:** Search Drink Without Current Ingredients

**Actors:** User

**Flow of Events:**

1. User clicks button to search for specific drink

2. User enters specific drink

3. System searches’ database

4. System displays all matching drinks & there info

**2.2.8**

**Use Case:** Comment On Drink

**Actor:** User

**Flow of Events:**

1. User searches for drinks they have had using program

2. System searches’ database for that/those drinks

3.System displays all matching drinks

4. User chooses drink

5. User presses button to leave comment

6. User enters Text about drink and submits into system database for other users to see.

**Use Case List**

1. Add ingredient to “Cabinet”\*\*
2. Search specific drink\*\*
3. Add favorites to drink
4. Rate the drink
5. Remove ingredient\*\*
6. Clear “Cabinet”
7. Search Drink w/o current ingredients
8. Comment on drink
9. Display Drink (recipe/picture)
10. Create a Drink
11. Search by rating
12. refine search via number of ingredients, rating, etc.
13. Select a number of people at the party (adjust recipe accordingly)\*\*
14. “I’m feeling lucky”