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

**Scope:** Cabinet and Ingredient Databases

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

**Primary Actor:** User

**Main Success Scenario:**

1. User starts to search for a specific ingredient in the search bar
2. System creates a drop down menu for the user to select a certain ingredient from the list
3. System adds the selected ingredient to the cabinet.

**2.2.2**

**Use Case:** Remove Ingredient from Cabinet

**Scope:** Cabinet Database

**Intention in Context:** Remove any ingredient from your virtual cabinet

**Primary Actor:** User

**Main Success Scenario:**

1. User starts to search for a specific ingredient from the cabinet in the search bar
2. System creates a drop down menu for the user to select a certain ingredient from the list
3. System removes selected ingredient from the cabinet.

**2.2.3**

**Use Case:** Display Cabinet

**Scope:** Cabinet and Ingredient Databases

**Intention in Context:** Display your virtual cabinet

**Primary Actor:** User

**Main Success Scenario:**

1. System displays all the ingredients in the cabinet

**2.2.4**

**Use Case:** Display Cocktail

**Scope:** Cocktail Database

**Intention in Context: O**btain the recipe of a specific selected drink.

**Primary Actor:** User

**Main Success Scenario:**

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

**2.2.5**

**Use Case:** Create a Drink

**Scope:** Cocktail Database

**Intention in Context:** Add a new cocktail to 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.

**2.2.6**

**Use Case**: Search Cocktails By Rating

**Scope**: Cocktail Database

**Intention in Context:** To search for cocktails of a certain range of ratings

**Primary Actor**: User

**Main Success Scenario:**

1. User enters cocktail to be searched for into 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

**2.2.7**

**Use Case:** Refine Cocktail Search

**Scope:** Cocktail, Ingredient, and Cabinet Databases

**Intention in Context:** To refine cocktail searches

**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

**Extensions:**

2.a. User refines search by recipes that use specific alcohol

2.b. User refines search by drinks only it can make with the ingredients in the

cabinet

2.c. User refines search by recipes that use specific ingredients

**2.2.8**

**Use Case:** Search for Specific Cocktail

**Scope:** Cocktail Database

**Intention in Context:** To search for a specific cocktail in the database regardless of what is in the cabinet

**Primary Actors:** User

**Main Success Scenario:**

1. User inserts drink to search for into the designated search bar
2. System searches for a certain drink from the search bar
3. System selects the cocktail from a list from the database
4. System displays cocktail.

**2.2.9**

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

**Scope:** Cocktail Database

**Intention in Context:** To search for cocktails that the user does not have ingredients for

**Primary Actors:** User

**Main Success Scenario:**

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

**2.2.10**

**Use Case:** Comment on Drink

**Scope:** Cocktail Database

**Intention in Context:** To leave a comment on a specific cocktail

**Primary Actor:** User

**Main Success Scenario:**

1. User searches for a drink or drinks from the database

2. System searches the 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.

**2.2.11**

**Use Case:** Adjust Recipe size

**Scope:** Cocktail Database

**Intention in Context:** To adjust the amounts displayed in a cocktail recipe to the number of persons served.

**Primary Actor:** User

**Main Success Scenario:**

1. User selects a party size
2. System adjusts ingredient amounts when displayed

**2.2.12**

**Use Case: “**I’m feeling lucky” search

**Scope:** Cocktail Database

**Intention in Context:** To display a random cocktail from the database

**Primary Actor:** User

**Main Success Scenario:**

1. User selects “I’m feeling lucky” button
2. System displays randomly chosen cocktail

**2.2.13**

**Use Case:** Favorite Drink

**Scope:** Cocktail Database

**Intention in Context:** To mark a cocktail as a favorite

**Primary Actor:** User

**Main Success Scenario:**

1. User searches for a drink or drinks from the database

2. System searches the database for that/those drinks

3. System displays all matching drinks

4. User chooses drink

5. User presses button to favorite a drink

6. System Updates chosen drinks to be favorites