|  |  |
| --- | --- |
| To: | Andre Boudreau |
| From: | Hedy Li |
| Date: | 5/17/2024 |

### App Overview:

"Cuisine Companion" is a app that helps you track your food purchases, cooking experiences, and inventory management. Whether you want to record your latest grocery, document your culinary creations, or keep track of your stock, "Cuisine Companion" has got you covered.

The many-to-many relationships between Food Purchased and Cooked Dishes, one dish can include many ingredients, and one ingredient can make many different dishes.

### Key Features:

1. Food Purchase Tracking:

Record the details of your food purchases, including the name, price, and purchase date.

1. Culinary Journal:

Document each cooking session, including the dish name, ingredients used, your rating, comments, and the option to attach recipe links.

1. Inventory Management:

Keep tabs on your stock by monitoring the items purchased and the remaining quantities. finish an item when it's used up.

1. Ingredient Search:

search for dishes based on specific ingredients, providing inspiration when you have ingredients in stock but need culinary ideas.

### Business Rule

Ingredient Association:

A dish in the culinary journal must be associated with at least one ingredient from the food purchase records.

Real-Time Inventory Update

The system automatically updates the quantity of ingredients in the "Food Inventory" table in real time based on the ingredients used in cooked dishes recorded in the system.

Meal Rating Consistency

The system ensures that users can only rate a cooked dish in the "Cooked Dishes" table once. This rule prevents duplicate or multiple ratings for the same dish