User Story - **Joseph (Gyeongbae Choi)**
Task: Frontend UI for Adding, Removing, and Editing ingredients.

Test Case #	1
Test Title	Successfully add a new ingredient with all details
Steps	1. Open the Electron application 2. Find tab called "Ingredient List" 3. Enter "Name" 4. Enter "Amount" 5. Select the unit using dropbox 6. Enter "Price" 7. Enter "Threshold" 8. Press "Add Ingredient" button
Expected result	There should be a new ingredient appearing with details shown.
Pass/Fail	Fail
Any bugs?	There was a bug that even if all the details are filled, adding was successful with all details except Threshold. We need to edit the threshold again by clicking the ingredient and manually entering the threshold value again. See the bug report #1.

Test Case #	2
Test Title	Fail to add ingredients when missing any one of the details
Steps	1. Open the Electron application 2. Find tab called "Ingredient List" 3. Skip "Name", "Amount", "Price", or "Threshold" or do not select the unit using dropbox 4. Press "Add Ingredient" button
Expected result	There should be an error message appearing such as "enter name", "enter amount", etc.
Pass/Fail	Fail
Any bugs?	No error message appears. Moreover, after clicking the "add Ingredient" button to add a new ingredient, an ingredient is added with all empty details even if you fill out the details. In other words, if we miss any one of the details, the empty ingredients are added with the empty details. See bug report #2.

Test Case #	3
Test Title	No adding duplicate ingredients is allowed
Steps	1. Open the Electron application 2. Find tab called "Ingredient List" 3. Enter the same "Name" as the existing ingredients

	4. Enter other details such as "Amount", "Price", "threshold", and select the unit using dropbox 5. Press "Add Ingredient" button
Expected result	There should be an error message appearing such as "there is existing ingredients, please enter other names"
Pass/Fail	Fail
Any bugs?	No error message appears and the same name of ingredients are added anyways. See bug details #3

Bug Report

Bug report #	1
Reported by	Gyeongbae Choi
Date reported	2025-03-24
Program name	IngredientsList.jsx
Release #	v0.1.0 (Build 2025-03-12)
Version identifier	0.1.0
Configurations	HW Configurations Device: GIGABYTE - A5 K1 OS: Microsoft Windows 11 Home CPU: AMD Ryzen 5 5600H with Radeon Graphics, 3301 Mhz, 6 Cores, 12 Logical Processors RAM: 16 GB
	SW Configurations Application Version: v0.1.0 (Build 2025-03-12) Node.js Version: v22.14.0 Npm Version: 10.9.2 React Version: 10.9.2 Electron Version: 10.9.2
Report type	User inputs/Coding
Can reproduce	yes
Severity	medium
Priority	medium
Problem summary	Missing only threshold info after adding ingredients
Key words	GUI bug, missing threshold
Problem description and	1. Open the Electron application 2. Find tab called "Ingredient List"

how to reproduce it	3. Enter "Name" 4. Enter "Amount" 5. Select the unit using dropbox 6. Enter "Price" 7. Enter "Threshold" 8. Press "Add Ingredient" button
Suggested fix	Check the code if we miss the threshold info after we add an ingredient
Status	Open
Resolution	pending
Resolved by	Assigned To:

Bug report #	2
Reported by	Gyeongbae Choi
Date reported	2025-03-24
Program name	IngredientsList.jsx
Release #	v0.1.0 (Build 2025-03-12)
Version identifier	0.1.0
Configurations	HW Configurations Device: GIGABYTE - A5 K1 OS: Microsoft Windows 11 Home CPU: AMD Ryzen 5 5600H with Radeon Graphics, 3301 Mhz, 6 Cores, 12 Logical Processors RAM: 16 GB SW Configurations Application Version: v0.1.0 (Build 2025-03-12) Node.js Version: v22.14.0 Npm Version: 10.9.2 React Version: 10.9.2 Electron Version: 10.9.2
Report type	User inputs/Coding
Can reproduce	yes
Severity	medium
Priority	medium
Problem summary	Empty ingredient is added with the empty details
Key words	GUI bug, missing details

Problem description and how to reproduce it	1. Open the Electron application 2. Find tab called "Ingredient List" 3. Skip "Name", "Amount", "Price", or "Threshold" or do not select the unit using dropbox 4. Press "Add Ingredient" button
Suggested fix	Check the code why the empty ingredient is added with empty details when we miss entering any one of the details. Could add new codes and features that appear to warn users to enter the missing details.
Status	Open
Resolution	pending
Resolved by	Assigned To:

Bug report #	3
Reported by	Gyeongbae Choi
Date reported	2025-03-24
Program name	IngredientsList.jsx
Release #	v0.1.0 (Build 2025-03-12)
Version identifier	0.1.0
Configurations	<u>HW Configurations</u> Device: GIGABYTE - A5 K1 OS: Microsoft Windows 11 Home CPU: AMD Ryzen 5 5600H with Radeon Graphics, 3301 Mhz, 6 Cores, 12 Logical Processors RAM: 16 GB
	<u>SW Configurations</u> Application Version: v0.1.0 (Build 2025-03-12) Node.js Version: v22.14.0 Npm Version: 10.9.2 React Version: 10.9.2 Electron Version: 10.9.2
Report type	User Inputs/Coding
Can reproduce	yes
Severity	high
Priority	high
Problem summary	The duplicated ingredients are added

Key words	duplicate
Problem description and how to reproduce it	1. Open the Electron application 2. Find tab called "Ingredient List" 3. Enter the same "Name" as the existing ingredients 4. Enter other details such as "Amount", "Price", "threshold", and select the unit using dropbox 5. Press "Add Ingredient" button
Suggested fix	Could add new codes and features that compare the existing name of the ingredients against the new name ingredient and show warning messages and stop the user to select different names of the ingredient.
Status	Open
Resolution	pending
Resolved by	Assigned To:

Code Review

User Story: Joseph (Gyeongbae Choi)
Task: Added notification update for if amount is less than threshold.
- No bug found in this user story
- Code Smells - in IngredientsList.jsx
  - Long Method
    - CheckLowStockItems class is doing multiple tasks:
      - Filter items with low stock
      - Extract their names
      - Update the notification state
    - Therefore, it would be better to create other classes for different purposes of functions.

  - Primitive Obsession
    - Quantity and threshold of each ingredient are stored as primitive string values and parsed later as numbers. Therefore, these quantities and thresholds should be parsed and stored as numbers at all times whenever create and retrieve the value of quantity and threshold.

User Story - by **Joseph (Gyeongbae Choi)**
Task: Frontend UI for Adding, Removing, and Editing ingredients.
- Bugs

Bug report #	1
Reported by	Gyeongbae Choi
Date reported	2025-03-24
Program name	IngredientsList.jsx

Release #	v0.1.0 (Build 2025-03-12)
Version identifier	0.1.0
Configurations	HW Configurations Device: GIGABYTE - A5 K1 OS: Microsoft Windows 11 Home CPU: AMD Ryzen 5 5600H with Radeon Graphics, 3301 Mhz, 6 Cores, 12 Logical Processors RAM: 16 GB
	SW Configurations Application Version: v0.1.0 (Build 2025-03-12) Node.js Version: v22.14.0 Npm Version: 10.9.2 React Version: 10.9.2 Electron Version: 10.9.2
Report type	Coding
Can reproduce	yes
Severity	high
Priority	high
Problem summary	No validation checks if the inputs are empty or proper types.
Key words	No validation checks, no error messages
Problem description and how to reproduce it	1. Open the Electron application 2. Find tab called "Ingredient List" 3. Skip "Name", "Amount", "Price", or "Threshold" or do not select the unit using dropbox 4. Press "Add Ingredient" button
Suggested fix	There should be some validation codes and classes if the inputs are empty or proper types so that users should be able to know why they get errors and empty details of ingredients and which ingredients with some details are missing after they add the ingredients.
Status	Open
Resolution	pending
Resolved by	Assigned To: Nickrod

- Code Smells - in IngredientsList.jsx
  - Duplicated Code
    - The two dropdown <select> for units are:
      - One is inside IngredientCard class
      - One is inside IngredientList
    - This needs to be refactored into a reusable component.

  - Large Class

- IngredientList has multiple functionalities
  - Fetching data from the backend
  - Update ingredients
  - Delete ingredients
  - Control the notification system
- These components and functions should be separate for clarification

User Story: Tax Calculator, Total Cost Calculator to Combo Meal Tab

Bug Report - Johnmark Eustace

Bug Report #	1
Reported By	Johnmark Eustace
Date Reported	2025-03-24
Program Name	ComboMeal.jsx
Release #	v0.1.0 (Build 2025-03-12)
Version Identifier	0.1.0
Configurations	Hardware Configurations: Device: HP ENVY x360 Convertible 15 OS: Microsoft Windows 10 Home CPU: Intel(R) Core(TM) i7-1065G7 CPU @ 1.30GHz, 1498 Mhz, 4 Core(s), 8 Logical Processor(s) RAM: 8 GB Software Configurations: Application Version: v0.1.0 (Build 2025-03-12) Npm Version: 10.9.2 React Version: 10.9.2 Electron Version; 10.9.2
Report type	User input / coding
Can reproduce	Yes
Severity	High
Priority	High
Problem Summary	User can't type and has to restart electron if title is missed
Key Words	Electron bug, interface bug
Problem Description and how to reproduce	1. Open Electron 2. Go to tab "Combo Meals" 3. Select pre-built Combos, recipes or ingredients 4. Enter tax percentage in box below 5. Click Save recipe 6. Error Appears indicating no name or percentage markup has been added for this specific combo 7. Close Error or press "Ok" 8. User now can't type or delete any items on any of the pages 9. User needs to restart Electron app for it to work again
Suggested fix	Check code to see how to resolve error. Find alternative to the problem
Status	Open
Resolution	Pending
Resolved by	Assigned to:

Bug Report - Vrinda Ashwar

Bug Report #:	1
Reported by:	Vrinda Ashwar
Date reported:	2025-03-24
Program Name:	AssembledIngredients.jsx
Release #:	v0.1.0 (Build 2025-03-12)
Version Identifier:	0.1.0
Configurations:	HW Configurations Device: MacBook Pro (13-inch, M2, 2022) OS: macOS Monterey CPU: Apple M2 RAM: 24 GB SW Configurations Application Version: v0.1.0 (Build 2025-03-12) Node.js Version: v22.14.0 (LTS) Npm Version: 10.9.2 React Version: 19.0.0 Electron Version: 34.2.0
Report type:	Coding
Can reproduce:	yes
Severity:	medium
Priority:	medium
Problem summary:	Unable to upload valid file
Key words:	CSV, Import Ingredients, Upload Failure, Missing, Data Error Message
Problem description and how to reproduce it:	**Description:** After attempting to upload a valid csv file, an error occurs: it could not upload the file (although the file is valid) **Steps:** Prepare a valid CSV file for ingredients. Example CSV content: Ingredient Name,Category,Quantity,Unit,Price,Supplier Apple,Fruit,100,kg,2.5,FruitCorp Carrot,Vegetable,150,kg,1.8,VegetableSupplies

	1. Click the Import CSV button.
	2. Select the valid CSV file from your local system and click "Upload." Wait for the system to process and import the file.
	3. Check the UI for confirmation message
	4. Navigate to the Ingredients section and confirm that the ingredients from the CSV file are displayed correctly in the inventory list (Apple, Carrot, etc.).
Suggested fix:	Implement server-side validation for the CSV file before it's processed so the file is well-formed, with the correct number of columns, data types, and headers.
Status:	Pending
Resolution:	Pending

Nickrod Bugs:
- Cost of combo editing is broken.
  - Cannot change the price of combo when created, it will default to the price of the ingredients added up, and won't allow users to edit in the field.
  - Should be an easy fix.
- Combo price takes the entire quantity of specific ingredients, not just one.
  - When making a combo, if the system has five of an ingredient used, it will use the cost for 5 of the ingredient in the combo.
  - Should also be an easy fix, simply just change the logic in the component

Ryan Bug Reports:

Bug report #	1
Reported by	Ryan Dezfuli
Date reported	2025-03-24
Program name	IngredientsList.jsx
Release #	v0.1.0 (Build 2025-03-12)
Version identifier	0.1.0
Configurations	HW Configurations Device: Macbook Air OS: MacOS Sequoia CPU: Apple Silicon M2 Chip

	RAM: 16 GB
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	SW Configurations
	Application Version: v0.1.0 (Build 2025-03-12)
	Node.js Version: v22.14.0
	Npm Version: 10.9.2
	React Version: 10.9.2
	Electron Version: 10.9.2
Report type	Coding
Can reproduce	yes
Severity	medium
Priority	medium
Problem summary	Ingredient is not added, an empty card shows in the list when unit is not specified and add ingredient is clicked
Key Words	Data validation bug
Problem description and how to reproduce it	- Navigate to Ingredient list page from the top tab bar - Scroll down to where you can add ingredients - Fill out all fields but don't select a unit and leave it on Please select - Click add ingredient - Ingredient is not added, an empty card shows in the list when unit is not specified
Suggested fix	Add stricter data validation
Status	open
Resolution	pending
Resolved by	N/A

Bug report #	2
Reported by	Ryan Dezfuli
Date reported	2025-03-24
Program name	IngredientsList.jsx
Release #	v0.1.0 (Build 2025-03-12)
Version identifier	0.1.0
Configurations	HW Configurations Device: Macbook Air

	OS: MacOS Sequoia CPU: Apple Silicon M2 Chip RAM: 16 GB ——————————————————— SW Configurations Application Version: v0.1.0 (Build 2025-03-12) Node.js Version: v22.14.0 Npm Version: 10.9.2 React Version: 10.9.2 Electron Version: 10.9.2
Report type	Coding
Can reproduce	yes
Severity	low
Priority	medium
Problem summary	Ingredient is successfully added but unit shows as other not what user enters
Key Words	Incorrect units, displaying incorrect data
Problem description and how to reproduce it	- Navigate to Ingredient list page from the top tab bar - Scroll down to where you can add ingredients - Fill out all fields and choose other - specify from the drop down menu - A new input field is added and you can enter your own unit - For this case I will add quarts as a unit - Click add ingredient - Ingredient is successfully added but unit shows as other not quarts - Bug has been identified please see BUG REPORT #2
Suggested fix	The data that needs to be displayed is being entered, make sure that is stored in DB and displayed on the ingredient card
Status	open
Resolution	pending
Resolved by	N/A