

# ExpireMeNot

Team #7

Chiaghame Allen

Sarah Asghar

Nina Dang

Wan Ning Ma

Michel Nwoye-Vincent

Edison Tran

## ExpireMeNot

---

**Summary:** ExpireMeNot is an app designed to help users reduce food waste in their homes by providing tools to better organise, track, and utilise the items in their kitchen pantries, fridges, and freezers. This digital assistant aims to bring efficiency and sustainability to everyday food management.

**Project Description:** The program serves as a kitchen inventory manager. It allows users to add, remove, and monitor food items across different storage locations. It is equipped with features like a virtual location view, colour-coded expiration tracking, and recipe recommendations based on available ingredients. This tool is planned for a wide range of users, from busy families to individuals living alone, and is especially useful for environmentally conscious individuals looking to reduce food waste and optimise grocery usage.

**Value of the Project:** ExpireMeNot addresses the critical issue of food wastage, a global concern with significant environmental and economic implications. By providing an efficient means of tracking and utilising food items before they expire, ExpireMeNot helps reduce waste, save money, and promote sustainable living practices. Additionally, it aids in meal planning and grocery shopping, making the process more efficient and less time-consuming.

**Goal:** The app will be considered successful if surveys of users show they are throwing away less spoiled food after using ExpireMeNot. We aim for users to reduce their household food waste by 15-40%. Environmental impact will also be measured by tracking the reduction of organic material entering landfills from users' homes.

# Overall user stories (Both big and detailed ones):

## Iteration 1:

**Big Story Description:** Initialise Fridge/Pantry With items

**Goal of user:** The user should start being able to managing their virtual fridge

**Priority:** High

**Cost:** 14 Days

User Stories:

**Create Fridge**

**Priority:** Med

**Cost:** 0.5 Days

1. I should be able to create a new fridge/pantry and give it a specific name. This will help me keep track of what pantry space I'm managing.

**Add Items**

**Priority:** High

**Cost:** 2 Days

2. I should be able to add whatever food item I want to my virtual pantry. This will help me know what I currently have available.

**Remove Items From Pantry**

**Priority:** High

**Cost:** 2 Days

3. I'd like to also be able to remove items from the pantry, if I no longer have it available. When foods are consumed or expired, I would need to be able to stop tracking them.

**Tagging Food Groups**

**Priority:** Med

**Cost:** 2 Days

4. I want to tag each food based on their food groups. I.e Fruits, Vegetables, Grains, Proteins and Dairy. This will be useful to know the composition of food items in the pantry.

**Add User**

**Priority:** Med

**Cost:** 2 Days

5. I want to have my family members to be able to manage the food they don't want to share, and to be able to see which item belongs to whom.

**See Full List of Items**

**Priority:** High

**Cost:** 2 Days

6. I want to see all the food items that are currently located in my pantry. I should be able to determine what foods I still have without needing to be at home.

## Iteration 2:

Pantry Awareness (This big story aims to help the user make more informed decisions about what is in their pantry, by developing the virtual fridge)

- Colour coded fridge items
- Detailed Virtual Fridge UI
- View all expiration dates in chronological order.
- Calendar view of expiration dates
- Sort foods by group.
- Add to grocery list feature
- Edit grocery list

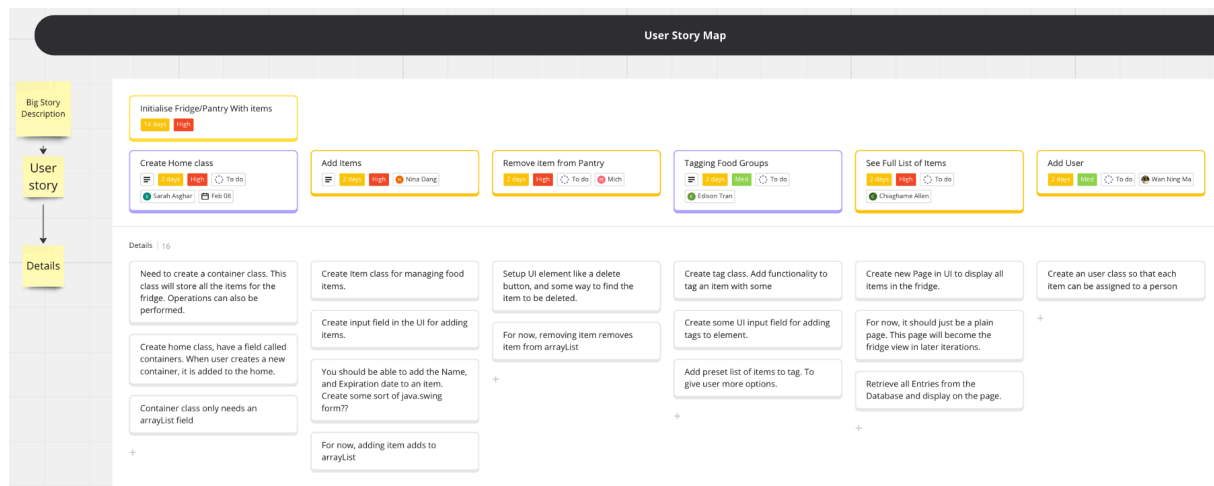
### Iteration 3:

Research and Analytics (The point of this big story is to provide the user with information they need about their pantry, which foods tend to spoil quickly, and start offering some ways to utilise fridge items )

- Support for recipes (based on available ingredients)
- 'Star' recipes
- Get reminders if starred recipes ingredients are low
- Editable System Settings (for reminders (what should you get reminded for), Customize parts of UI)
- Reminders about upcoming expiration dates.
- Log in System (for different users)

## Iteration 1 detailed user stories:

<p><b>Create Fridge</b></p> <p>I should be able to create a new fridge/pantry and give it a specific name. This will help me keep track of what pantry space I'm managing.</p> <p>Priority: High Cost: 1 Day</p>	<p><b>Add Item</b></p> <p>I should be able to add whatever food item I want to my virtual pantry. This will help me know what I currently have available.</p> <p>Priority: High Cost: 2 Days</p>
<p><b>Tag Food Group</b></p> <p>I want to tag each food based on their food groups. I.e Fruits, Vegetables, Grains, Proteins and Dairy. This will be useful to know the composition of food items in the pantry.</p> <p>Priority: High Cost: 2 Days</p>	<p><b>Delete Item</b></p> <p>I'd like to also be able to remove items from the pantry, if I no longer have it available. When foods are consumed or expired, I would need to be able to stop tracking them.</p> <p>Priority: High Cost: 2 Days</p>
<p><b>Add User</b></p> <p>I want to have my family members to be able to manage the food they don't want to share, and to be able to see which item belongs to whom.</p> <p>Priority: Medium Cost: 2 Days</p>	<p><b>See Full List of Items</b></p> <p>I want to see all the food items that we currently have. I should be able to determine what foods I still have without needing to be at home.</p> <p>Priority: High Cost: 2 Days</p>



Miro View Link: [https://miro.com/app/board/uXjvNvII-FM=?share\\_link\\_id=150674584264](https://miro.com/app/board/uXjvNvII-FM=?share_link_id=150674584264)