University of California, San Diego
CSE 110, Spring 2020

System Requirements

Team GOcery

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Legend: Priority

1	**Must have:** Essential components to the application's functionality and purpose.
2	**Should have:** Features that will enhance the application and better fulfill our purpose, but is not necessary to the core functionality.
3	**Could have:** Additional features that do not affect the core functionality.

Legend: Status

Done
Work in Progress
Not Started
Removed

Glossary

Pantry - A digital representation of the grocery items the user has at home. The pantry is tied to a specific account and is stored remotely.

Recipe - A list of ingredients and instructions for a dish (instructions are optional).

Item - A singular food item. Also synonymous with the term "ingredient."

Store - A shop that sells items.

Barcode - A unique identification for each item in each different store.

Value - Nutritional information for a specific item.

Shopping List - A list of items to be purchased at a store.

Spending History - A list of previously bought items and the date they were added.

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SR-1 Register Account

Priority	1
Status	Not Started
Description	The system shall allow the user to register an account with an email and password.
Use Case	UC-L1

SR-2 Login

Priority	1
Status	Not Started
Description	The system shall allow the user to login to their account with their email and password.
Use Case	UC-L2

SR-3 Logout

Priority	1
Status	Not Started
Description	The system shall allow the user to logout.
Use Case	UC-L3

SR-4 Request Password Reset

Priority	1
Status	Not Started
Description	The system shall allow the user to request that a password reset link be sent to their email.
Use Case	UC-L4

SR-5 Reset Password

Priority	1
Status	Not Started
Description	The system shall allow the user to reset their password from a password reset link.
Use Case	UC-L5

SR-6 Expire Password Reset

Priority	1
Status	Not Started
Description	The system shall expire a password reset link after a set amount of time.
Use Case	UC-L5

SR-7 Scan Receipt

Priority	2
Status	Not Started
Description	The system shall scan an image of a receipt for ingredients and add the correct items to the user's pantry.
Use Case	UC-S1

SR-8 Add Unrecognized Item

Priority	2
Status	Not Started
Description	The system shall allow the user to manually look up and add an item that the system was unable to recognize during scanning.
Use Case	UC-S2

SR-9 Choose Item From Suggestions

Priority	3
Status	Not Started
Description	The system shall provide the user with suggestions for items that the system was unable to recognize during scanning.
Use Case	UC-S3

SR-10 Select Store

Priority	3
Status	Not Started
Description	The system shall allow the user to select a store to scan receipts from.
Use Case	UC-S4

SR-11 Scan Barcode

Priority	3
Status	Not Started
Description	The system shall scan the barcode of an item and add the correct item to the user's pantry.
Use Case	UC-S5

SR-12 Definition of Pantry

Priority	1
Status	Not Started
Description	The system shall define a pantry to be a list of items.
Use Case	N/A

SR-13 View Pantry

Priority	1
Status	Not Started
Description	The system shall allow the user to see the items in their pantry as well as their quantity.
Use Case	UC-P1

SR-14 Definition of Item

Priority	1
Status	Not Started
Description	The system shall define an item as an object with a name, quantity, nutritional value, price, and an optional expiration date.
Use Case	N/A

SR-15 Add Item

Priority	1
Status	Not Started
Description	The system shall allow the user to manually look up and add an item to their pantry.
Use Case	UC-P2

SR-16 Adjust Item

Priority	1
Status	Not Started
Description	The system shall allow the user to adjust the quantity of an item in their pantry.
Use Case	UC-P3

SR-17 Create New Pantry

Priority	3
Status	Not Started
Description	The system shall allow the user to create a new pantry.
Use Case	UC-P4

SR-18 Switch Active Pantry

Priority	3
Status	Not Started
Description	The system shall allow the user to switch to another pantry, using the items in that pantry for the rest of the system's functionality.
Use Case	UC-P5

SR-19 Share Pantry

Priority	3
Status	Not Started
Description	The system shall allow the user to share one of their pantries with other users, allowing them access to the pantry as well.
Use Case	UC-P6

SR-20 Set Expiration

Priority	3
Status	Not Started
Description	The system shall allow the user to manually set the expiration date of an item in their pantry.
Use Case	UC-P7

SR-21 Delete Pantry

Priority	3
Status	Not Started
Description	The system shall allow the user to delete a pantry.
Use Case	UC-P8

SR-22 Merge Pantries

Priority	3
Status	Not Started
Description	The system shall allow the user to combine multiple pantries.
Use Case	UC-P9

SR-23 Definition of Recipe

Priority	1
Status	Not Started
Description	The system shall define a recipe to be a list of items and optionally a set of instructions for preparation.
Use Case	N/A

SR-24 Request Recipe

Priority	1
Status	Not Started
Description	The system shall provide the user with recommended recipes based on the contents of the user's active pantry.
Use Case	UC-R1

SR-25 Create Recipe

Priority	1
Status	Not Started
Description	The system shall allow the user to create and save their own recipe to be used later.
Use Case	UC-R2

SR-26 Make Recipe

Priority	1
Status	Not Started
Description	The system shall allow the user to pick a recipe to make and automatically update the items in their pantry.
Use Case	UC-R3

SR-27 Delete Recipe

Priority	1
Status	Not Started
Description	The system shall allow the user to delete their own recipe.
Use Case	UC-R4

SR-28 View Recipe

Priority	3
Status	Not Started
Description	The system shall allow the user to view daily values of a recipe.
Use Case	UC-R5

SR-29 Definition of Shopping List

Priority	3
Status	Not Started
Description	The system shall define a shopping list to be a list of items.
Use Case	N/A

SR-30 Request Shopping List

Priority	3
Status	Not Started
Description	The system shall provide the user with a recommended shopping list based on their spending history.
Use Case	UC-$1

SR-31 View Spending History

Priority	3
Status	Not Started
Description	The system shall allow the user to view their own spending history.
Use Case	UC-$2

SR-32 Get Shopping List Total

Priority	3
Status	Not Started
Description	The system shall provide the user with an estimated total price for a recommended shopping list.
Use Case	UC-$3