



Recipe Buddy Requirements



By: `PrevostSinghPierceManley`



Overview

A website where a user can:

- Write a recipe
- Make a recipe
- Add ingredients to a virtual pantry
- Share recipes with friends
- Complete weekly challenges
- Expand your cooking horizons



Functional

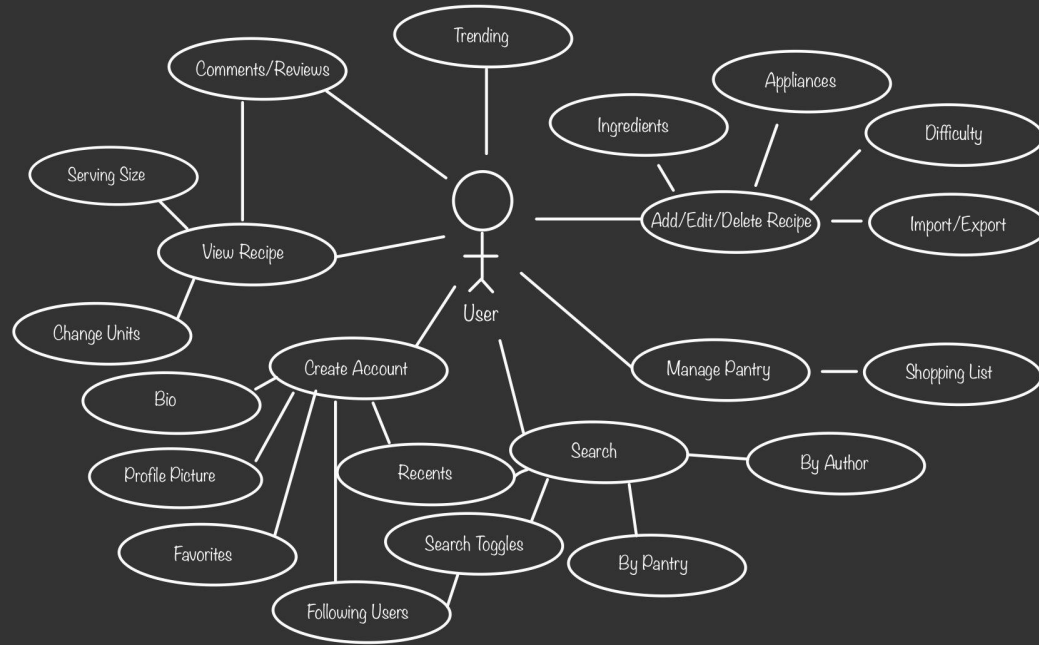
- Create an Account
- Add/Edit/Delete a recipe
- Add Appliances to a private virtual pantry
- Add ingredients to a private virtual pantry
- Add ingredients to a shopping list
- Search for recipes
- Import and Export a recipe
- Favorite recipes
- Cook recipes written by other users
- Leave ratings/reviews



Non-Functional

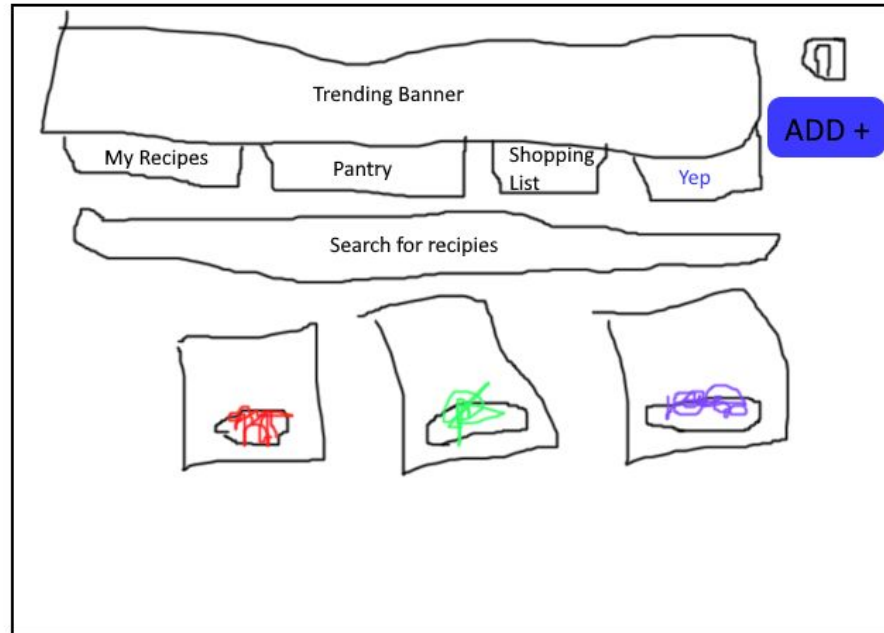
- Performance: Searching recipes should be time-efficient (everything should be fast)
- Availability: Website should be live at all times
- Usability: Website should be easy to access for all users
- Capacity: Users should be able to upload and store as many recipes as they want

Case Diagram

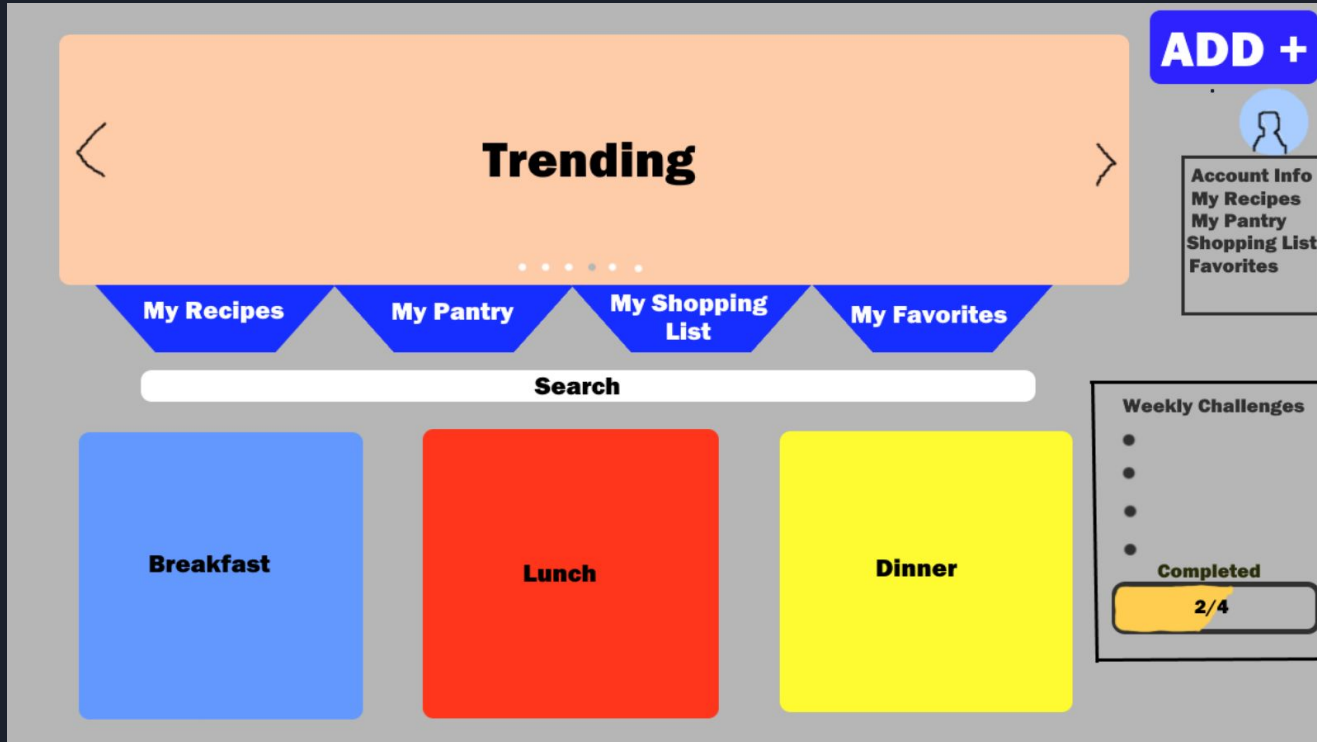


Mockups (Initial)

OUR WEBSITE :)



Mockups (Main Page)



Mockup (Add Recipe)

Add a Recipe

Recipe Title

Appliances
(seperated by comma)

Ingredients

Servings (0-20)

1.

2.

3.

4.

5.

+
Add Step

Time Cook
H : MM
(0-9)(0-59)

Step-By-Step Instructions

Import

Add Image
+

Account Info

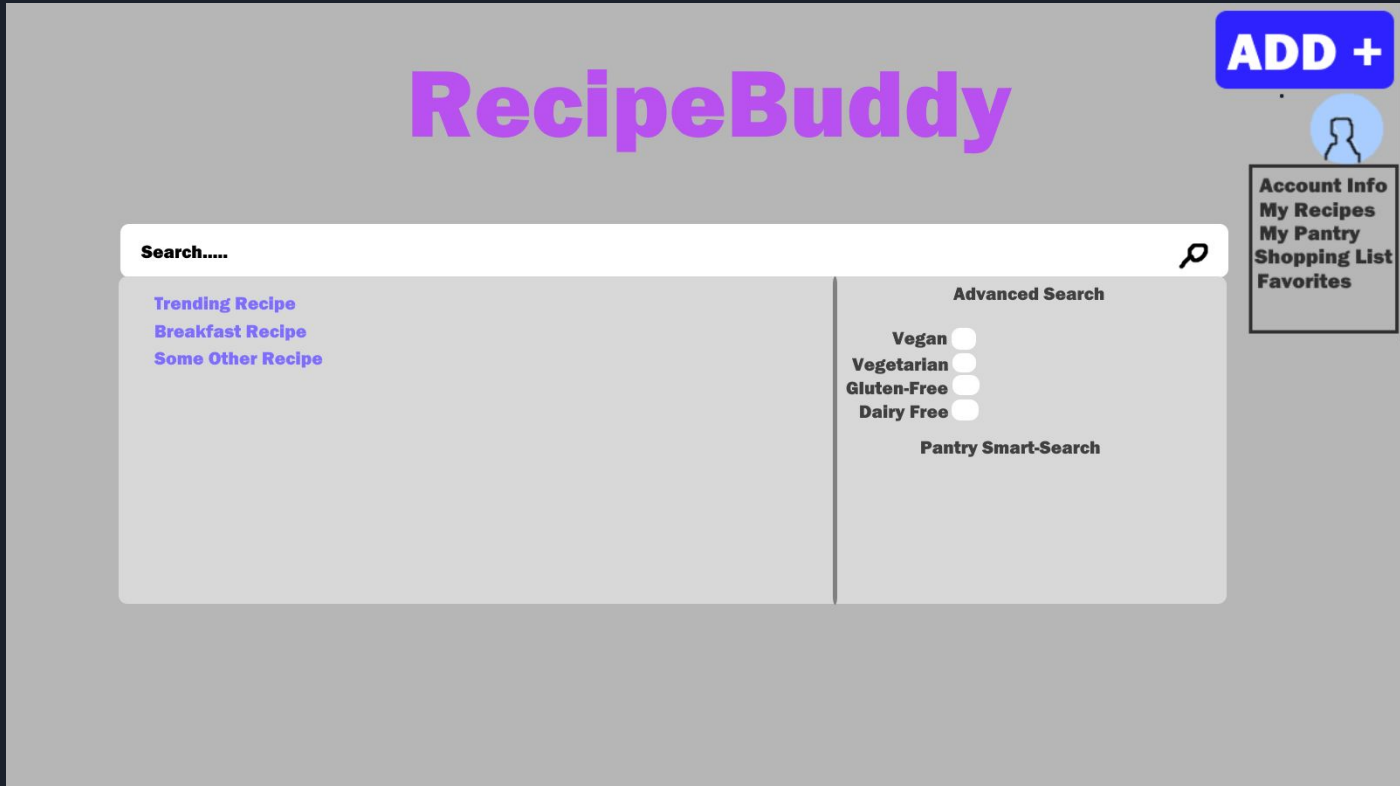
My Recipes

My Pantry

Shopping List

Favorites

Mockup (Search)



Mockup (Account Creation / Profile)

WELCOME

Log in

username

password

or

Sign up

username

password

confirm password

Add Photo

Name

Bio

Total Recipes Cooked:

Favorite Recipe:

ADD +



Account Info
My Recipes
My Pantry
Shopping List
Favorites

Mockup (Pantry)



Requirement Prioritization

Requirements	Priority (5 is high)
RECIPES	
"Add Recipe" button *SEEN AT ALL TIMES*	5
Edit recipe	5
delete a recipe *PROMPT USER TO MAKE SURE*	5
write/create recipes within recipebuddy	5
Ingredients list	5
Appliance list	5
Step-by-Step Instructions	5
Import/Export - in JSON format	3
5 star rating system	3
Built in timer	2
Upload images of recipes	4
Converting units/temperatures	3
Favorite Recipes	2
Scale recipes	3
Visual cue if user does not have food/appliance	3
Have tags	4
Option to add note to recipe	3
Number of times cooked	3
Serving Size	4
Difficulty rating (user supplied out of 3)	2
Nutrition Facts	3

WEBSITE (HOMEPAGE)	
Must be a website	5
Trending page/updt based on ToD/Holiday - Toggle	5
Recent recipe history	4
Tabs (but not too many)	5
Pantry (List of items user has) (Food)	5
Pantry (List of items user has) (Appliances)	5
Shopping list	5
SEARCH FUNCTION	
Search function	5
Search by what is in pantry	4
Option for Vegan, Vegetarian, etc.	3
Visible Tag System	5
Sorting post-search done by popularity	
Search suggestions (Trending)	3
Ability to exclude allergies	3
Search by Author	4
Categories (breakfast, lunch, dinner)	



Requirement Prioritization (cont.)

SOCIAL FEATURES	
User accounts (username/real name)	5
User bio's	1
Profile Picture	3
Following other users	2
Sharing recipes with others	3
Private account	2
Reviews/comments	2
Favorites Tab	4
STRETCH GOALS	
Experience System	1
Weekly Challenges	1
Leaderboards	1

Requirements Critical Level

Requirements	Critical
RECIPES	
"Add Recipe" button *SEEN AT ALL TIMES*	X
Edit recipe	X
delete a recipe *PROMPT USER TO MAKE SURE*	X
write/create recipes within recipebuddy	X
Ingredients list	X
Appliance list	X
Step-by-Step Instructions	X
Import/Export - in JSON format	
5 star rating system	
Built in timer	
Upload images of recipes	
Converting units/temperatures	
Favorite Recipes	
Scale recipes	
Visual cue if user does not have food/appliance	
Have tags	X
Option to add note to recipe	
Number of times cooked	
Serving Size	X
Difficulty rating (user supplied out of 3)	
Nutrition Facts	X

WEBSITE (HOMEPAGE)	
Must be a website	X
Trending page/updt based on ToD/Holiday - Toggle	
Recent recipe history	
Tabs (but not too many)	X
Pantry (List of items user has) (Food)	X
Pantry (List of items user has) (Appliances)	X
Shopping list	
SEARCH FUNCTION	
Search function	X
Search by what is in pantry	X
Option for Vegan, Vegetarian, etc.	
Visible Tag System	
Sorting post-search done by popularity	X
Search suggestions (Trending)	
Ability to exclude allergies	
Search by Author	X
Categories (breakfast, lunch, dinner)	



Requirements Critical Level (cont.)

SOCIAL FEATURES	
User accounts (username/real name)	X
User bio's	
Profile Picture	
Following other users	
Sharing recipes with others	
Private account	
Reviews/comments	
Favorites Tab	
STRETCH GOALS	
Experience System	
Weekly Challenges	
Leaderboards	

Requirements Base/Standalone

Requirements	Base/Sub
RECIPES	
"Add Recipe" button *SEEN AT ALL TIMES*	Base
Edit recipe	Sub
delete a recipe *PROMPT USER TO MAKE SURE*	Sub
write/create recipies within recipebuddy	Sub
Ingredients list	Sub
Appliance list	Sub
Step-by-Step Intructions	Sub
Import/Export - in JSON format	Sub
5 star rating system	Sub
Built in timer	Sub
Upload images of recipes	Sub
Converting units/temperatures	Sub
Favorite Recipes	Sub
Scale recipes	Sub
Visual cue if user does not have food/appliance	Sub
Have tags	Sub
Option to add note to recipe	Sub
Number of times cooked	Sub
Serving Size	Sub
Difficulty rating (user supplied out of 3)	Sub
Nutrition Facts	Sub

WEBSITE (HOMEPAGE)	
Must be a website	Base
Trending page/uptd based on ToD/Holiday - Toggle	Base
Recent recipe history	
Tabs (but not too many)	Base
Pantry (List of items user has) (Food)	Base
Pantry (List of items user has) (Appliances)	Base
Shopping list	Base
SEARCH FUNCTION	
Seach function	Base
Search by what is in pantry	Sub
Option for Vegan, Vegetarian, etc.	Sub
Visible Tag System	Base
Sorting post-search done by popularity	Sub
Search suggestions (Trending)	Sub
Ability to excude allergies	Sub
Search by Author	Sub
Categories (breakfast, lunch, dinner)	Sub



Requirements Base/Standalone (cont.)

SOCIAL FEATURES	
User accounts (username/real name)	Base
User bio's	Sub
Profile Picture	Sub
Following other users	Sub
Sharing recipes with others	Sub
Private account	Sub
Reviews/comments	Sub
Favorites Tab	Sub
STRETCH GOALS	
Experience System	Base
Weekly Challenges	Sub
Leaderboards	Sub

Requirements Volatility/Time Needed to Develop

RECIPES		
"Add Recipe" button *SEEN AT ALL TIMES*	1	1 Week
Edit recipe	1	2 Days
delete a recipe *PROMPT USER TO MAKE SURE*	1	1 Day
write/create recipies within recipebuddy	1	1 Week
Ingredients list	1	1 Day
Appliance list	2	1 Day
Step-by-Step Intructions	1	1 Week (Add Re
Import/Export - in JSON format	2	1/2 Week
5 star rating system	2	1 Day
Built in timer	3	1 Day
Upload images of recipes	2	1 Day
Converting units/temperatures	1	1 Day
Favorite Recipes	1	1 Week
Scale recipes	2	1 Day
Visual cue if user does not have food/appliance	2	1 Week
Have tags	1	1 Week
Option to add note to recipe	3	1 Day
Number of times cooked	2	1 Day
Serving Size	3	1 Day
Difficulty rating (user supplied out of 3)	5	1 Week (Add Re
Nutrition Facts	3	1 Week (Add Re

WEBSITE (HOMEPAGE)		
Must be a website	1	12 Weeks
Trending page/uptd based on ToD/Holiday - Toggle	3	1 Week
Recent recipe history	1	1 Week
Tabs (but not too many)	3	12 Weeks (As w
Pantry (List of items user has) (Food)	2	2 Weeks
Pantry (List of items user has) (Appliances)	2	2 Weeks
Shopping list	4	1 Week
SEARCH FUNCTION		
Seach function	1	2 Weeks
Search by what is in pantry	1	2 Weeks
Option for Vegan, Vegetarian, etc.	2	1 Day
Visible Tag System	2	1 Day
Sorting post-search done by popularity	1	1 Week
Search suggestions (Trending)	2	2 Weeks
Ability to excude allergies	2	1 Day
Search by Author	1	1 Day
Categories (breakfast, lunch, dinner)	1	2 Weeks



Requirements Volatility/Time Needed to Develop (cont.)

SOCIAL FEATURES		
User accounts (username/real name)	1	1 Week
User bio's	4	1 Day
Profile Picture	3	1 Day
Following other users	3	2 Days
Sharing recipes with others	3	2 Days
Private account	1	1 Day
Reviews/comments	1	2 Days
Favorites Tab	1	3 Days
STRETCH GOALS		
Experience System	5	Stretch
Weekly Challenges	5	Stretch
Leaderboards	5	Stretch

Requirement Developer Allocation

Requirements	Developer
RECIPES	
"Add Recipe" button *SEEN AT ALL TIMES*	All
Edit recipe	Manley
delete a recipe *PROMPT USER TO MAKE SURE*	Singh
write/create recipies within recipebuddy	Prevost
Ingredients list	Pierce
Appliance list	Manley
Step-by-Step Intructions	Singh
Import/Export - in JSON format	Pierce
5 star rating system	Manley
Built in timer	Prevost
Upload images of recipes	Manley
Converting units/temperatures	Pierce
Favorite Recipes	Singh
Scale recipes	Pierce
Visual cue if user does not have food/appliance	Manley
Have tags	Prevost
Option to add note to recipe	Pierce
Number of times cooked	Pierce
Serving Size	Manley
Difficulty rating (user supplied out of 3)	Pierce
Nutrition Facts	Singh

WEBSITE (HOMEPAGE)	
Must be a website	All
Trending page/uptd based on ToD/Holiday - Toggle	Manley
Recent recipe history	Prevost
Tabs (but not too many)	All
Pantry (List of items user has) (Food)	Singh
Pantry (List of items user has) (Appliances)	Singh
Shopping list	Pierce
SEARCH FUNCTION	
Seach function	All
Search by what is in pantry	Prevost
Option for Vegan, Vegetarian, etc.	Manley
Visible Tag System	Pierce
Sorting post-search done by popularity	Pierce
Search suggestions (Trending)	Singh
Ability to excude allergies	Prevost
Search by Author	Singh
Categories (breakfast, lunch, dinner)	Manley



Requirement Developer Allocation (cont.)

SOCIAL FEATURES	
User accounts (username/real name)	Singh
User bio's	Singh
Profile Picture	Prevost
Following other users	Prevost
Sharing recipes with others	Pierce
Private account	Pierce
Reviews/comments	Prevost
Favorites Tab	Manley
STRETCH GOALS	
Experience System	n/a
Weekly Challenges	n/a
Leaderboards	n/a



Testing

We plan on testing by creating test cases for each requirement. Each test case will focus on a different aspect of the requirement being tested.

Example (Add Recipe):

Test Case 1: Add recipe from different places on a webpage (top, middle, bottom)

Test Case 2: Hit back while in creating a recipe

Test Case 3: Leave required fields empty

Test Case 4: Set serving size to more than max (mockup has max at 20)



Potential Risks

- Meeting deadlines (spending too much time on features to get them “just right)
- Following the client’s vision and requirements
- Critical components don’t function
- Website and GitHub should be secure
- Poor productivity/motivation