



# Pantry: Sprint 1 Planning Document

## Team 15

*Yanal Abusamen* (yabusame@purdue.edu)

*Samuel Carbone* (scarbon@purdue.edu)

*Joseph Dafforn* (jdafforn@purdue.edu)

*Joseph Davey* (daveyj@purdue.edu)

*Jackson Didat* (jdidat@purdue.edu)

*Jon Du* (du129@purdue.edu)

# 1. Sprint Overview

- a) This sprint will mainly be comprised of initial setup for user profiles, basic recipe creation and recipe searching. We were very careful in picking out what user stories we need to implement for this first sprint because we want to avoid features that are dependent on the implementation of another.
- b) The scrum master for this sprint is Jackson Didat. We prefer to meet at least three times a week in person on weekdays. We will also be meeting once on weekends. We have a GroupMe chat that we will use to keep in constant contact with each other every day.
- c) The biggest challenge for this Sprint will be learning how to avoid and handle merge conflicts effectively when using Git. This is a conflict we have all encountered in the past, and with iOS projects this is especially challenging when working with storyboards since small changes can result in merge conflicts.

## 2. Current Sprint Details

### Functional Requirements

User Story 1: As a user, I would like to create my own profile

#	Description	Time	Team	Owner
1	Create view controller on storyboard with corresponding labels and texts regarding user profile creation.	3 hrs.	Frontend	Jackson
2	Integrate firebase to store user profiles along with the user information	3 hrs.	Backend	Jackson

Acceptance Criteria:

- Given that the user can create a profile, they will be able to segue to the main view
- Given that the user's profile is created, their data will be visible in the database
- Given that the user logs in they can view all their saved information

Unit Tests:

- Test to make sure user profile is successfully created (given correct information)

- Test to make sure user profile is not created (given incorrect information- i.e. email formatted improperly)
- Test to make sure user profile is successfully stored in Firebase system.

User Story 2: As a user, I would like to login to my own profile

#	Description	Time	Team	Owner
1	Create view on storyboard with corresponding labels and texts regarding user login.	3 hrs.	Frontend	Joe
2	This should be the first screen users see when not logged in and launching app.	2 hr	Frontend	Joe

Acceptance Criteria:

- Given that a user logs in with the incorrect password or email, they are unable to login.
- Given that a user logs in with the correct password and email, they successfully login and their data is loaded.

Unit Tests:

- Create test that simulates button clicks to make sure login is successful
- Create test that simulates button clicks to make sure login is unsuccessful when the wrong password/username is inserted for login.

User Story 3: As a user, I would like to have persistent login to stay logged into my account

#	Description	Time	Team	Owner
1	Implement function in the App Delegate that keeps users logged into app when app is closed.	3 hrs.	Frontend	Sammy
2	Make sure storyboard skips over sign in on launch if user is signed in from previous session.	3 hrs.	Frontend	Sammy

Acceptance Criteria

- Given that we implement a persistent user correctly, the user should be taken to the main page when they open the app.
- Give that the user has not logged in, app will go to the login screen.

Unit Test:

- Test to make sure that the login page is skipped
- Test to see if the user is still logged in after the app is closed and reopened

- Test to make sure that user is taken to log in screen after they have logged out

User Story 4: As a user, I would like to edit my profile

#	Description	Time	Team	Owner
1	Include settings storyboard that has a button within it in which users can click and segway to an edit profile view controller	3 hrs	Frontend	Joey
2	Include all necessary labels, buttons, and texts in the Edit Profile View Controller	2 hrw	Frontend	Joey
3	Make sure Firebase updates user information accordingly.	2 hrs	Backend	Joey

Acceptance Criteria:

- Given that a user can edit their profile, the user will be able to change their username and profile picture
- Given that the user can edit their profile, the user will be able to change their password
- Given that the user can edit their profile, the user will be able to delete their account

Unit Tests:

- Test to see if changes are saved to the profile after the user attempts to edit their profile
- Test to see if the Firebase Database is updated successfully after the user makes changes from the app

User Story 5: As a user, I would like to adjust the settings for my account

#	Description	Time	Team	Owner
1	On the profiles tab, include a button that will segway the user to an adjust settings page.	3 hrs	Frontend	Yan
2	Include all necessary labels, buttons, and texts in the Edit Profile View Controller	2 hrs	Frontend	Yan
3	Make sure Firebase updates user information	2 hr	Backend	Yan

	accordingly.			
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Acceptance Criteria:

- Given that the settings for the application are adjusted properly, the settings are applied throughout the app and persistent when app is exited
- Given that the settings for the application are adjusted properly, the settings are stored properly in Firebase
- Given that the settings for the application are adjusted properly, the buttons and UI switches will reflect the settings that were saved

Unit Tests:

- Test to see if the settings are changed after the user attempts to change settings
- Test to see if the changes made were saved on the Firebase Database

User Story 6: As a user, I would like to sign out of my account

#	Description	Time	Team	Owner
1	Include settings storyboard that has a button within it in which users can click on it and sign out of their Pantry account.	3 hrs	Frontend	Jon
2	Include an alert that asks users to confirm if they want to sign out before doing so.	2 hrs	Frontend	Jon
3	Make sure persistent storage function in the App Delegate is updated so when app is launched after sign out, the app launches with the sign in view controller.	2 hrs	Backend	Jon

Acceptance Criteria:

- Given a user is currently logged in, they should be able to navigate to the settings page and sign out
- The user is asked to confirm the log out

Unit Tests:

- Create a unit test to make sure that the sign out button is functional by simulating an action
- Create a unit test to make sure that the given user is no longer signed in

User Story 7: As a user, I would like to create custom recipes

#	Description	Time	Team	Owner
1	Create a recipe object in the Firebase Database that will belong to the user object.	3 hrs	Frontend	Jackson
2	Create a "Create Recipe Page" view controller with necessary UI elements.	2 hr	Frontend	Jackson
3	Connect the view controller with the Firebase Database to allow new recipes to be added to the database and the user's recipes.	2 hr	Backend	Jackson

Acceptance Criteria:

- Given the user can create custom recipes, the user can fill in the custom recipe data, name, description, photo, etc..
- Given the user can create custom recipes, the data entered by the user will be present in the firebase console, with accurate data

Unit Tests:

- Test to see if custom recipes are saved to the Firebase Database after the user creates a recipe in the application
- Test to see if correct information was inputted by the user when creating a recipe

User Story 8: As a user, I would like to search for recipes

#	Description	Time	Team	Owner
1	Include a search bar near the top of the browse view	3 hrs	Frontend	Sammy
2	Design the search such that the recipes are filtered as the user types	2 hrs	Frontend	Sammy
3	Display the results of the search in a properly formatted manner	2 hrs	Frontend	Sammy

Acceptance Criteria:

- Given that a user searches a recipe, only recipes with a title matching the query should be displayed
- Given that a user searches a recipe, filtering should be in real time, to filter recipes as the user types a search query.

Unit Tests:

- Create a unit test which simulates an action on the search bar
- Create a unit test which simulates a search query, to show the relevant recipes

User Story 9: As a user, I would like to view a photo of the recipe

#	Description	Time	Team	Owner
1	Format each recipe with the photo above the title	3 hrs	Frontend	Joe
2	3D/force-touch on the photo to see the description	2 hrs	Frontend	Joe

Acceptance Criteria:

- Given that a user explores recipes, the picture of the recipe should correspond to the correct title and should resize dynamically based on device
- Given that a user 3d touches the photo, a preview of the recipe including the description should be shown
- Given that a user scrolls through the recipes, the table view should be scrollable to allow the user to browse multiple recipes with pictures

Unit Tests:

- Test to make sure the correct photo is displayed for the recipe.
- Test to make sure the window upon force touch of the image.

User Story 10: As a user, I would like to have a clickable link to full recipe page

#	Description	Time	Team	Owner
1	Segue to a webview when the link is clicked	3 hrs	Frontend	Joey
2	Add a button to navigate the user back to the recipe	2 hrs.	Frontend	Joey
3	3d/force-touch should show a preview of the webpage	3 hrs	Frontend	Joey

Acceptance Criteria:

- Given that a user clicks the recipe's link, they should be navigated to the correct website showing the recipe modally instead of in the Safari app

- Given that a user wants to segue back, the back button should navigate back to the main recipe storyboard
- Given that a user 3d touches the link, a pop up of the preview of the webpage should be displayed, which can segue to the full page upon a full click

#### Unit Tests:

- Simulate user clicks on recipes and check that web view is opened
- Simulate user clicks on back button and check that recipe page is loaded again

## Non-functional Requirements

- Application must integrate with Firebase
- Must update database in real time

## 3. Backlog

### Functional Requirements

1. As a user, I would like to view my custom recipes in my profile tab
2. As a user, I would like to discover recipes
3. As a user, I would like to see what ingredients are needed for a recipe
4. As a user, I would like to see items crossed off a recipe if they are in my pantry
5. As a user, I would like to filter recipes by the ingredients I currently have
6. As a user, I would like to upvote/downvote a recipe
7. As a user, I would like to see the number of likes a recipe has
8. As a user, I would like to filter recipes by amount of likes
9. As a user, I would like to view recipes by tags (e.g. spicy, zesty)
10. As a user, I would like to upload a custom recipe
11. As a user, I would like to view a feed of custom recipes made by other users
12. As a user, I would like to save other peoples' recipes to my cookbook
13. As a user, I would like to view my cookbook
14. As a user, I would like to save recipes to my cookbook
15. As a user, I would like to filter my recipes
16. As a user, I would like to add recipes to my cookbook
17. As a user, I would like to delete recipes from my cookbook



18. As a user, I would like to view the current items in my pantry
19. As a user, I would like to add new items to my pantry
20. As a user, I would like to delete items that are in my pantry
21. As a user, I would like to view a grocery list with ingredients I need for recipes

#### Non-functional Requirements

1. As a user, I would like to quickly get data about recipes and my pantry
2. Must be able to handle network requests in background without interrupting main thread
3. Must have reliable information retrieval
4. App must be consistent in performance
5. Must have simple and effective UI
6. The app must be scalable
7. Database must have quick data lookups
8. Provide a variety of recipes