

Sprint 4 Plan

KITT

The KITT Kats

Sprint Completion Date: 1 December 2019

Revision 1, 11/18/19

Goal:

- The user will be able to receive notifications before their food expires.
- Be able to access database of common food items and their expiration period
- Fix all bugs and issues with the code.

Track List, organized by user stories:

- User Story #3: (5 points) As a user I want to receive notifications so that I won't forget what food I have and when it's going to expire
 - Reminders / notifications
 - Settings
 - Very basic UI
 - WHEN IT IS CONSIDERED READY TO BE WORKED ON:
 - User Story #1 is completed
 - WHEN IT IS CONSIDERED DONE:
 - When the user receives notifications based on the expiration dates inputted
 - Merge both aspects of this story and upload to git
 - Tested with no errors or missing cases
- User Story #5: (13 points) As a user, when I input a food item I want it to autofill the expiration date with the option to manually adjust it so that I don't have to constantly look up expiration dates for my food.
 - Firebase for db storage instead of a local database
 - (name, type of food, expiration)
 - Database (not local)
 - Set up a cloud hosted database (SQL or something else) that the app can query to in order to predict expirations of the food entered by the user.
- User Story #6: (3 points) As a user, I want to sign in with Google so that my data is saved
 - Login with Google to sync data across devices
- User Story #7: (8 points) As a user I want an intuitive and user-friendly way to input the food items so that it's not confusing and easy to keep track of my groceries

- Implement decided UI framework in actual app.
 - Have the app store basic information
- User Story 8: (8 points) As a user I want the app to determine when my food will expire depending on storage conditions (refrigerated, frozen, cooked), so that I can have a more accurate expiration date.
 - Add to database
 - Add slider/other UI element to determine ripeness.
- User Story #9: (5 points) As a user, I want the app to suggest a food as I'm typing it in so that I don't have to type the whole thing thus providing a better user experience.
 - Have app query master database to determine expiration period.
 - Autofill data if user is entering food that's present in the master DB
- User Story #15: (13 points) As a user, I want to be able to scan items through a barcode, so that I do not have to manually input names.
 - Implement barcode scanner and look through database

Team roles:

Devi Manivannan - Product Owner

Nikhil Punathil - Team Member

Gabriella Millican - Team Member

Young Choe -Team Member

Tongze Wang - Scrum Master

Initial Task Assignment:

Young:

- Google Signin/Data Sync

Nikhil:

- Swipe to delete food items from db

Tongze:

- Backend Database with expiration dates

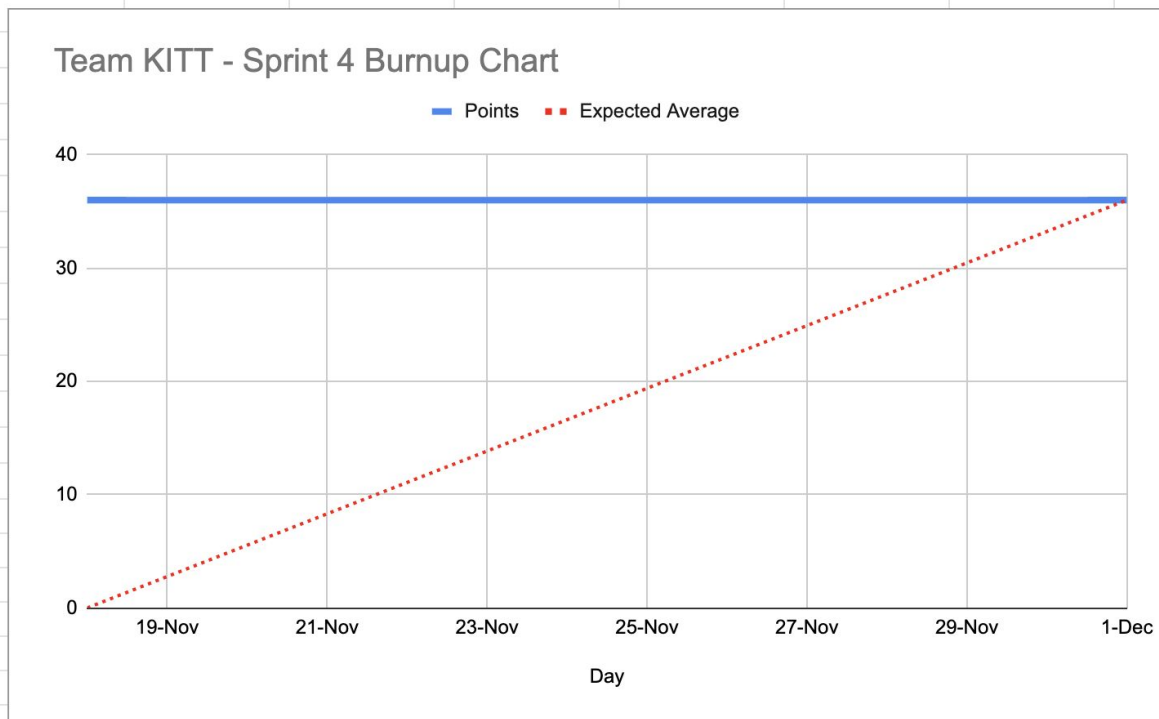
Gabriella:

- Notification Story

Devi:

- UI Improvements/ Calendar Improvements

Initial Burnup Chart:



Initial Scrum Board:

*Cards of the same color belong to the same User Story

Project KITT | Butler (1 Tip) | 显示菜单

- SPIKE**
 - Firestore (YC)
 - Database (not local)
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- User Story**
 - User Story #5: (13 points) As a user, when I input a food item I want it to autofill the expiration date with the option to manually adjust it so that I don't have to constantly look up expiration dates for my food. (YC)
 - User Story #3: (5 points) As a user I want to receive notifications so that I won't forget what food I have and when it's going to expire. (GM)
 - User Story #6: (3 points) As a user, I want to sign in with Google so that my data is saved Login with Google to sync data across devices. (TW)
 - User Story #7: (8 points) As a user I want an intuitive and user-friendly. (TW)
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- To Do**
 - (us-05-c) Query the remote db to get expiration by matching the user's input with the db values using fuzzy string matching. (YC)
 - (us-06-b) Migrate existing SQLite db to Firebase's NoSQL. (GM)
 - (us-07-b) Show expired food items in a separate section of the main screen. (TW)
 - (us-07-c) Add an image picker to allow users to take pictures of their food and store it. (TW)
 - (us-09-a) Use fuzzy string matching to predict what the user is typing and autocomplete. (TW)
 - (us-15-a) Implement barcode scanning. (TW)
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- In Progress**
 - (us-06-a) Set up firebase so that the user's calendar can be accessed and displayed in the calendar tab. (YC)
 - (us-03-a) Notification Implementation. (GM)
 - (us-07-a) Swipe to delete items in the list from the db. (TW)
 - (us-05-b) Implement backend database that contains data scraped from websites regarding expirations. (TW)
 - (us-07-d) Make buttons and colors more aesthetic. (TW)
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- Testing**
 - + 添加卡片

<https://trello.com/b/gBC1U7K9/project-kitt#>

Scrum times:

Monday 10AM-11AM

Thursday 8PM

Saturday 2PM

Backup: Friday 6PM