# 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
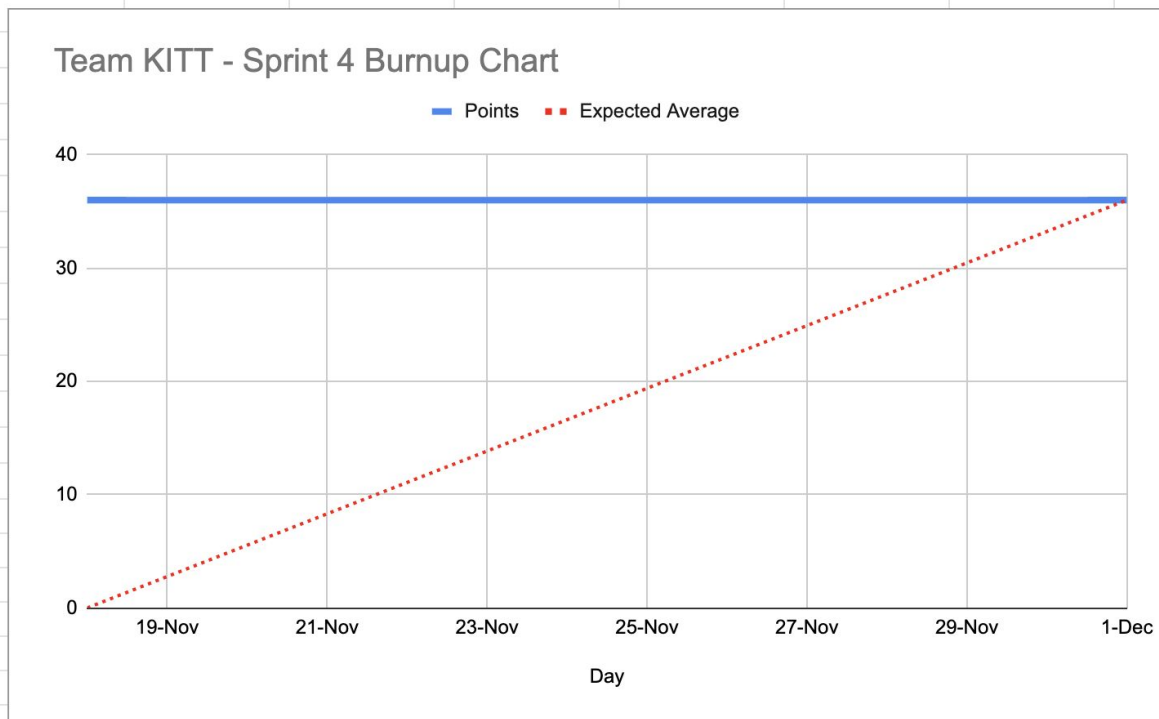
Tongze:
- Backend Database with expiration dates

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

**Scrum times:**
Monday 10AM-11AM
Thursday 8PM
Saturday 2PM
Backup: Friday 6PM