Sprint 3 Plan Revision 1:

> KITT
> The KITT Kats
> Sprint Completion Date: 17 November 2019
> Revision 1, 11/03/19

Goal:
- The user will be able to receive notifications before their food expires.
- The user will see a list of their food, organized in cards, upon opening the app and clicking through to the home page.

Task list, organized by user story:
- User Story #2: (5 points) As a user I want to be able to use a calendar so that I can see on what days my food will expire.
  - Implement Calendar
  - Make sure days where food is expiring are marked
  - Make sure user can see what item is expiring on selected day
    - WHEN IT IS CONSIDERED READY TO BE WORKED ON:
      - User Story #1 is completed.
    - WHEN IT IS CONSIDERED DONE:
      - When there is a calendar view and you can see on what days the food is expiring
      - Merge both aspects of this story and upload to git
      - Tested with no errors or missing cases
- 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 #4: (13 points) As a user, I want my home page and calendar pages to look nice so that it will be visually pleasing
  - Card view for item list by
  - Overall layout improvements
    - WHEN IT IS CONSIDERED READY TO BE WORKED ON:
      - User Story #1 is completed.
    - WHEN IT IS CONSIDERED DONE:
      - When the card view is implemented

- When the overall layout/look is looking nice
      - 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.
    - *SPIKE Master database data collection.
      - Try to find an existing data source for common food items and their expirations.
      - If one doesn't exist, try to find a website that has the required information from which we can web scrape and assemble our own database.
      - If neither of the above are possible, create a small sample database manually as a PoC.

Team roles: Devi Manivannan - Product Owner
Nikhil Punathil - Scrum Master
Gabriella Millican - Team Member
Young Choe -Team Member
Tongze Wang - Team Member

Initial Task Assignment:
Young:
- Firebase Implementation
Nikhil:
- Date Picker
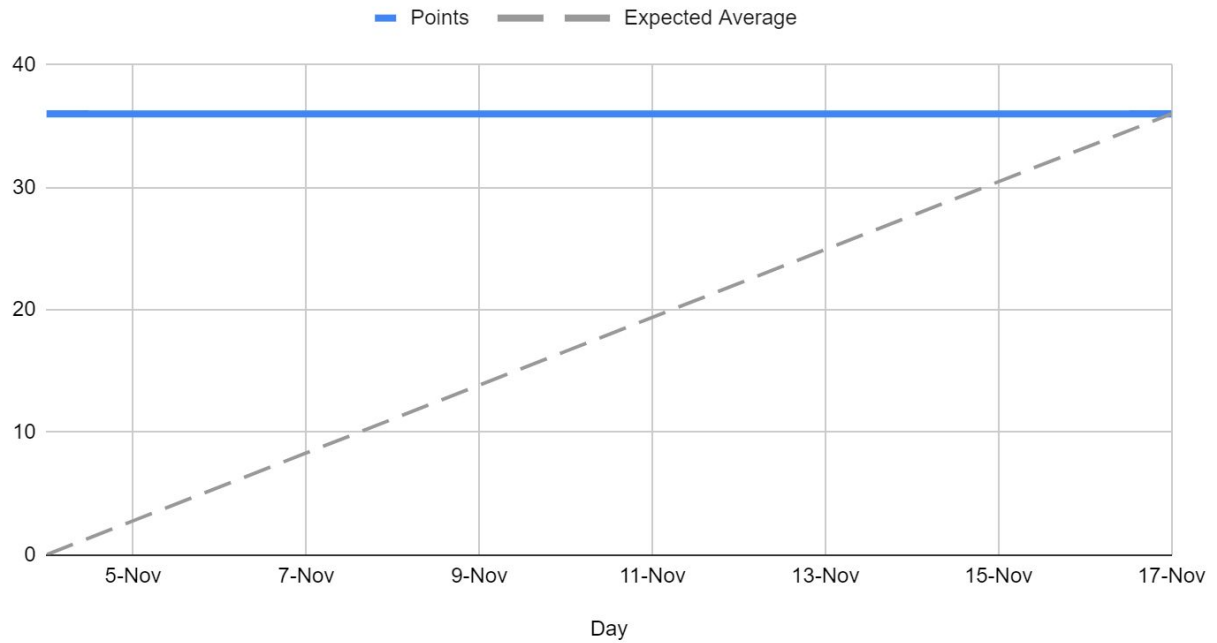Tongze:
- Backend Database with expiration dates
Gabriella:
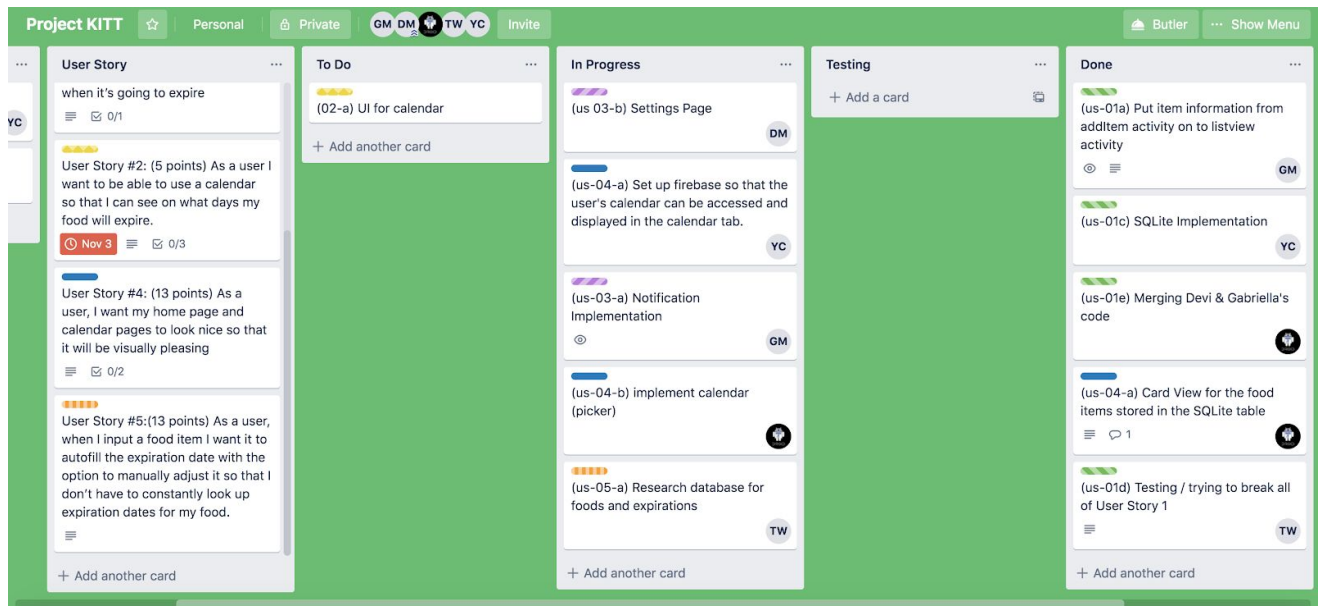- Notification Story
Devi:
- Settings

Initial Burnup Chart:

Team KITT - Sprint 2 Burnup Chart

Points — — Expected Average

```
40

30

20

10

 0
     5-Nov   7-Nov   9-Nov   11-Nov   13-Nov   15-Nov   17-Nov
                              Day
```

Initial Scrum Board:

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

| Project KITT ☆ | Personal | 🔒 Private | GM DM 👤 TW YC | Invite | | ☁ Butler | ⋯ Show Menu |

User Story

when it's going to expire
☰ ☑ 0/1

User Story #2: (5 points) As a user I want to be able to use a calendar so that I can see on what days my food will expire.
⏰ Nov 3 ☰ ☑ 0/3

User Story #4: (13 points) As a user, I want my home page and calendar pages to look nice so that it will be visually pleasing
☰ ☑ 0/2

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.
☰

+ Add another card

To Do

(02-a) UI for calendar

+ Add another card

In Progress

(us 03-b) Settings Page
                                    DM

(us-04-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-04-b) implement calendar (picker)
                                    👤

(us-05-a) Research database for foods and expirations
                                    TW

+ Add another card

Testing

+ Add a card

Done

(us-01a) Put item information from addItem activity on to listview activity
👁 ☰   GM

(us-01c) SQLite Implementation
                                    YC

(us-01e) Merging Devi & Gabriella's code
                                    👤

(us-04-a) Card View for the food items stored in the SQLite table
☰ 💬 1   👤

(us-01d) Testing / trying to break all of User Story 1
☰   TW

+ Add another card

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

Backlog (to be moved to Sprint 4)
- *SPIKE FLOWCHART
  - How we will determine expiration based on whether its frozen, fridged, cooked