

## **Release Plan**

KITT (Kitchen in the Trees)

The KITT Kats

Release Plan 1, Revision 1

10/8/18

## **Team Member Names**

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## **High Level Goals**

- Be able to view calendar (visually organized) with expiration dates & days remaining
- Be able to create a list of what you have arranged by time left
- Be able to set and receive reminders / notifications
- Be able to see how much of a meal / item you have left
- Be able to create, login, and delete accounts
- Be able to switch to dark mode
- Be able to create / access database of common food items and their expiration period
  - -Simple one, and users can add on to it

## **User Stories for Release**

- **Sprint 1 (spikes have highest importance)**
  - \*SPIKE UI (very basic for now)
    - Figure out what the layouts will look like + functionality so we know what buttons and things we'll need
  - \*SPIKE Local Database
    - Refresh of sqlite
  - \*SPIKE Android Studio
    - refresh
  - User Story #1: (3 points) As a user, I want to be able to manually input a food item and give it an expiration date so that I can keep track of what I have and when it will expire
    - At this point, this will be very basic manual implementation
  - User Story #2: (3 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.
    - Calendar, test with being able to add your own expiration dates

- Very basic UI
- **Sprint 2**
  - User Story #3: (3 points) As 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
    - Very basic UI
  - \*SPIKE Database (not local)
    - Figure out who will be working on the database
    - How we should implement that for the master of individual foods (ie groceries) and another for user specific
    - Implement basic local sqlite db for PoC.
  - \*SPIKE API
  - User Story #4: (3 points) As a user, I want my home page and calendar pages to look nice so that it will be visually pleasing.
    - UI improvements like dark mode, choose background color, design
  - \*SPIKE FLOWCHART
    - How we will determine expiration based on whether its frozen, fridged, cooked
- **Sprint 3**
  - User Story #5: (5 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)
  - 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
- **Sprint 4**
  - 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 #10: (3 points) As a user, I want to be able to save my personal recipes into the app for convenience.
  - Users can save personal recipes on the app

## **Product Backlog**

- User Story 1: (3 points) As a user, I want to be able to manually input a food item and give it an expiration date so that I can keep track of what I have and when it will expire
  - At this point, this will be very basic manual implementation
- User Story 2: (3 points) As a user I want to be able to use a calendar so that I can visually see on what days my food will expire.
  - Calendar, test with being able to add your own expiration dates
  - Very basic UI
- User Story 3: (3 points) As 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
  - Very basic UI
- User Story 4: (3 points) As a user, I want my home page and calendar pages to look nice so that it will be visually pleasing.
  - UI improvements like dark mode, choose background color, design
- User Story 5: (5 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
  - Fire base for db storage instead of a local database
  - (name, type of food, expiration)
- 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 10: (3 points) As a user, I want to be able to save my personal recipes into the app for convenience.
  - Users can save personal recipes on the app
- User Story 11: (3 points) As a user, I want to be able to create an account with a custom username so that when sharing recipes people can't see my full name.
  - Users will use google sign in, but be able to create new username for the app
- User Story 12: (5 points) As a user, I want to use a slider to determine how ripe my food is, so that I can get a more accurate expiration date.
  - Add slider element to determine ripeness for perishable food.
- User Story 13: (8 points) As a user, I want to be able to publicize my recipes so that I can share my own and look at others.
  - Create a tab/section of the app on profile to publish recipes
- User Story 14: (2 points) As a user, I want to be able to rate recipes and see recipe ratings based on level of difficulty (easy, medium, experienced)
- 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
- User Story 16 (20 Points): As a user, I want to take pictures of receipts so that all the food I buy will be logged into the system at once.
  - Take pictures of receipts, which are perishable (API)

### **Project Presentation:**

<https://drive.google.com/a/ucsc.edu/file/d/1rNaBW-76Tl3ZVuMTf4O-1r6ppGRfcAPm/view?usp=sharing>