Team D’s execution plan for Foodex implementation- Spring 2017

**APIs are that involve in the process incude: 2 weeks**

-Cam scan OCR for reading receipt images for text conversion.

-Food index and expiration from date USDA food for the database.

-Nutritional value/ recipes apps such as Food Networks will be used for recipes suggestion.

The API’s will be executed according to the order listed within 2 weeks, from 01/25- 02/08.

**Database: 3 weeks**

Relational database between food name and date will be generated using campus issued server. There will be at least 3 tables: food name, expiration dates, and recipes according to each kind of food. The time span for this part of the project will be 3 weeks, from 02/09-03/03, where tables and attributes will take 2 weeks and 1 week for the relations.

*Test generation will be integrated with the database during implementation and overall testing will take 2 days from 03/03-03/05*

**Algorithm: 5 weeks**

We will also be implementing many algorithms for the app to be able to run with APIs’ data.

-Solving abbreviation algorithm for converting receipt phrases into food names for the listing.

-sorting by dates uses the database of food and dates to generate a list of ascending dates of food.

-search by keywords of food items on top of the list for appropriate recipes.

The goal is to spend 1.5 weeks for each algorithm, from 03/06-04/10.

*Testing will occur for each algorithm after the end of implementation and overall testing will take ½ week from 04/10-04/14.*

*Overall assembly and initial bug fixing will take an additional 1.5 weeks from 04/14-04/25.*

The last two features are add-ons to the apps in with the consideration of timing and prior progress.

**Notification feature: 1 week**

To notify users about food expiration for each morning or through customized settings.

**Sharing feature: 1 week**

To allow sharing through social medias pictures and recipes made for that day’s suggestion.

The above 2 features will take 2 weeks in total for implementation with testing occurs separately once assembled into the main project. The duration will be from 04/26-05/10.

*Overall testing and bug fixing will occur during the last week of May, one week before launch date.*