Senior Capstone Project Proposal

**Fall 2019**

**Project Name:** Food Detective

**Team Name: Food detectives Inc.**

**Team Member’s Name: Brian Colantonio, Michael Day, Dercio Torres.**

**September 30, 2019**

**Project Description**

**Business Opportunity/Problem:** Whether it be allergies, dietary restrictions, or even ethical standards, nobody likes standing around in grocery stores and spending time reading product labels.

Why isn’t there an app for this?

Our time is valuable, let’s take it back.

We propose a web-based search tool which allows the user to create a dietary/lifestyle profile which is then used to filter out ingredients, etc. from consumer goods before considering a purchase.

This will be browser based and ideally would utilize a barcode scanner.

**User Description:**

Our product is designed to target health conscious individuals whom either have dietary restrictions or may be interested in exploring the possibility of a new dietary plan.

**Minimum Viable Product:**

* User Accounts:
  + Create account
  + Create preferences (Dietary Types)
  + Modify preferences (Dietary Types)
  + Create allergy Notifications
  + Modify allergy Notifications
* Identify dietary restriction for food products (Registered/Non-Registered User)
* Identify Nutritional information for food products (Registered User)
* Export favorites as downloadable file for easy shopping list (Registered User)

**High level user requirements:**

* User can quickly access whether a search item abides by their dietary preferences.

* User can create an account which will provide the parameters for their user experience (i.e.: vegetarian, keto, vegan, gluten free).

* Ability to save favorite items for quick reference.
* Guest / Anonymous user functionality to allow for the trial of basic application functionality.

* Store “search history” for reference by the user.

* Store “favorites” when the user finds an item they would like to reference easily.

**Technology:**

* Angular JavaScript framework.
* HTML
* CSS / SCSS / SASS
* Third party API. ([https://spoonacular.com)](https://spoonacular.com/)
* GIT/GitHub
* Clubhouse project management (https://app.clubhouse.io)

**Data Structures:**

* MS-SQL
* C#