

# Senior Capstone Project Proposal

## Fall 2019

**Project Name:** SmartCart

**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.

### **High level user requirements:**

- User can quickly access whether or not a search item abides by their dietary preferences.
- User can create an account which will provide the parameters for their user experience (ie: vegetarian, keto, vegan, gluten free).
- Ability to save favorite items for quick reference.
- (Wishlist) Barcode scanner to accurately lookup items.
- 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:**

- Javascript framework to be determined.
- HTML
- CSS
- Third party API. (<https://spoonacular.com>)
- Github

### **Database Architecture:**

- Dependent on framework—likely choices: MySql or MongoDB.