Specification Document: MyPerfectMeal

MyPerfectMeal (MPM) is an iOS based application service that provides consumers with meal suggestions. Consumers face a common problem while dining out, especially if they have medical or physical constraints. This problem is finding a meal which they will surely enjoy. Even if someone is perfectly healthy, consumers are faced with a long list of menu options which may overwhelm them, and may lead to a choice they will not like. The application’s objective is to provide the consumer with a specific meal, off the menu of a local restaurant, with a guaranteed like by the consumer.

The intended audience for the application is anyone suffering from medical disorders, food allergies, or take medications. The application will help them locate a meal, while guaranteeing they will like the meal, at a local restaurant. Often, people who suffer from such constraints find it difficult to locate meals outside their kitchen. Not all restaurants cater to people with such ailments and if they do, finding a meal which the consumer will love is not always the case.

Although the targeted audience is people with aliments, the application should work just as well as with anyone who is healthy. Once the application is completed, any consumer may use the application to find a meal designed for them based on their profile and history.

In an effort to illustrate the service provided by the application, the following three scenarios are provided.

**Scenario 1**: Steve

Steve is a single father of two girls. He is a senior accountant and has been working for a large corporation for over seven years. As a senior account, many clients rely on him. He frequently leaves work late due to his work responsibilities. When finally home, Steve spends the rest of his waking hours around his children. This routine leaves Steve with no time to cook a healthy meal, so he orders delivery food. Steve is suffering from obesity and although his Doctor suggested eating healthier and exercising, Steve cannot find the time.

Steve discovers MyPerfectMeal and signs up. After filling up his user profile and adding items to his preferences, he is ready to make the healthy change he needs. The application makes Steve multiple meal suggestions based on his profile and displays the results in the results page. There are multiple results Steve can choose from. These results are in the form of meals from local restaurants. These meals are all healthy based on his selections under the user management tab. Steve calls the restaurant and orders delivery for the specific meal the application suggested.

**Scenario 2:** Jess

Jess is a young college student at The George Washington University. She just returned from her summer break and is still in the process of moving back in her dorm. Jess suffers from Celiac Disease so she only eats Gluten-Free meals. She often avoids eating outside her home, because many restaurants do not offer a Gluten-Free menu. Since she just moved in, she does not have any groceries and is getting hungry!

Jess decides to use MyPerfectMeal to find a meal custom suggested for her. Although she is Gluten intolerant, she will still be able to find a meal at a local restaurant suited for her. Since she specified her condition under her user profile, all the meals suggested for her will be Gluten-Free.

**Scenario 3:** Bob

Bob is an elderly gentleman and lives alone in the District of Columbia. Due to his age, he is required to consume certain vitamins and medications. Some of the medications include: Lipitor (cholesterol drug), Metformin (diabetes drug), and Hygroton (blood pressure drug). The diabetes medication Bob is required to consume makes it nearly impossible for him to eat at most restaurants due to their high levels of sodium, sugars, and fats. Bob recently reacquainted with an old friend and setup a date for a dinner. Bob remembered that most restaurants are not well suited for his conditions and is in trouble!

Bob decides to logon to MyPerfectMeal in search of a meal suited for his dinner date. He finds a meal through the results tab that does not conflict with his conditions or any of his medications. Bob is looking forward for his dinner meal and the restaurant is within walking distance from his home!

Visual Relationship of The Major Components:

