

# Client Interaction Report

Team: 09

Project Name: eWellness Health

Meeting Date: 09/11/20

## Meeting Participants:

**Client:** Jasmine Berry (CTO of Harexi Health)

## **Team Members:**

1. Ankita Agrawal
2. Anushka Gangwal
3. Apurva Hajare
4. Devika Sathaye
5. Feya Shah
6. Kylie Chinn
7. Parul Gupta
8. Rucha Tambe

## **1. Project Overview**

### **a. Current Problems:**

There are currently no problems in the existing website. The client wants a mobile application to be developed that would help the users to track their health and provide food ratings and recommendations.

### **b. Main Stakeholders:**

**i. Key Decision Makers:** Harexi Health(Client), Developers (Team 9)

#### **ii. Potential Domain Experts:**

Nutritionists who can guide about which food products are recommended for diabetic patients. Currently, this nutrition information is being provided by a food API.

**iii. Maintainer(s)/Operator(s):** Developers (Team 9)

#### **iv. Target Users**

People belonging to any age group can use the application. The application is intended for people suffering from various types of diabetes to monitor their health and food choices.

### **c. Current Workflow (if applicable):**

Currently there is a website ([www.harexi.com](http://www.harexi.com)) with blog posts about wellness. They need an Android application to be developed with a food rating system.

### **d. Potential Quantitative Benefits:**

1. Increase in activity i.e user interaction with Harexi Health.

Explanation: Increase in the number of users using the Harexi Health app, which can be

tracked by the number of downloads. Additionally, increase in activity would come from the nature of the app itself since the current website consists only of blog posts and podcasts, whereas, the app will have an interactive element from the user.

2. Reduction in time and cost required by diabetic patients to monitor their food consumption and health.
3. Increase in the data available for machine learning training, which will improve the AI element for Harexi Health.

**e. Potential Qualitative Benefits:**

1. Personalization - Each user (diabetic patient) would receive food recommendations based on his food preferences and the rating he provides to food products.
2. Empowerment - Patients would be empowered to take charge of their own health.
3. Community feedback - Patients can provide feedback about the mobile application which can help us improve the quality of the app recommendations.

## **2. Technical Overview**

**a. Current Technologies Used/Considered:**

Presently the website is built on Wix. For **Android Application development** we are considering going for **React Native**, as this can also aid development for a potential future web application, and for the development of a mobile application for iOS. The database technology recommended by the client, and used by previous development teams, is **Firestore**.

**b. Current Status of the System Development:**

The Android application is to be developed from scratch. The wireframes, and API will be provided by the client to achieve a good, consistent UI and working product.

**c. System Dependencies:**

- Food API
- Android phones to deploy the application
- Firestore

**d. Similar Product(s):** Shopwell.com, MyFitnessPal

**e. Key Features/Capabilities:**

1. Develop a login/signup page for the users and store the user data in a database.
2. Use the food API to get the food items list.
3. Upon initial sign-up into the app, randomly display upto 10 good food products from the point of view of diabetic patients and check if the user has tried the product with the help of a swipe right or swipe left functionality;
4. Allow the users to provide the food items that they had during the day, as input to the app by taking/uploading their pictures.
5. Food ratings on the basis of 4 metrics are taken from the user (stable sugar control, value of money, taste of the food, and whether the user would repurchase the

product) for the recommended food products. The user can also enter textual feedback about the food product.

**Future Prospective Features (if time permits):**

1. Based on the results of the user feedback from the initial food-swipe, the app should recommend food products based on what the user has tried, and liked.
2. Occasionally, 2-3 food products should be recommended with the same swiping feature as described above, and if the user has tried the food, they will be then able to rate/review the food.

**3. Key Terminologies:**

1. Food Rating system
2. Precision-point healthcare
3. Food API log entry
4. Food Ranking and Recommendation
5. Self-care

**4. Action Items:**

1. Set up a slack channel and Google drive folder as recommended by the client as a communication medium.
2. Check the feasibility of React: can it be used for the development.
3. Project members need to learn React and based on the wireframes, the client will be sending progress to the next steps.