

Team 14

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Product Name: feedMeWell

Description

Keeping track of the amount of calories you consume is always a problem for busy people who want to stay in shape and be healthy. With the use of wearable technology (such as Fitbit, Apple Watch etc) that is able to track user's everyday workout data, we are going to create an app to order food from local restaurants with the calorie and nutrition content specified by the user. The app will also accommodate food to include variety based on the user's taste.

The application will be managing user's workout data, choosing the food, ordering, and list possible menu options from major restaurants in case a person decides to eat out and not order.

Vision

A mobile phone app that can order you food with your nutrition plan in mind.

Motivation

A lot of people want to be healthy and stay in shape. However not everyone out in the world is a nutritionist or a gym rat who has working out and eating right down to a science, and not everyone wants to invest their time to learning about these topics either. Thanks to the technology available today they won't have to. By tracking the calories burned by the user throughout the day and a database of food you won't even have to worry about what you should get to eat or if you're going to be eating the right meal, all that will be decided for you.

Risk

1. Business Challenge: It is possible that there could be no sufficient demand for this application.
2. Logistic challenge such as legal issue with restaurants, users; Deliver system ; Payment etc.
3. Project time line may be not enough
4. Lack of experience creating phone applications.
5. Technical problems trying to sync data between the fitwear/other calorie tracking piece of hardware and the user's phone.

6. Programming challenge: the lack of experience on IOS development platform

Mitigation Strategy

1. Expand the potential customer market by advertising the app as gluten free friendly
2. Only focus on initially putting out a working app on just one platform.

VCS

For this project we will be using GitHub as our software repository.

Link to our repository: <https://github.com/moonshine10/csci-3308-Project-GroupAwesome.git>

User Requirements

ID	Description	Agile Sizing	Priority
US-01	As a user, I want to setup the deliver time on App, so that eat my lunch at certain time every day	4	med
US-02	As a user, I want the app to know what food I like so that the app can decide or let me decide what food I get at what time	4	Med
US-03	As a user, I want the app to order food with optimal amount of calorie and nutrition based on my workout data, so I can eat healthy	8	High
US-04	As a user, I want to have backup menu option so that if it recommend me the food I don't like I am able to choose something else	4	Med
US-05	As a user, I want able to see my eating history, so I have better understand of my eating habit	2	Low
US-06	As user , I want to confirm the order before I submit it or before the app submits it	4	Med
US-07	As user, I want to set up my calorie goal based on my metabolism	2	High
US-08	As a user, I want my credit card information and all	8	Low

	of my personal information to be secure and private		
US-09	As a user, I want my password to be encrypted well	8	Med
US-10	As a user, I want to be able to input my eating habit when I first started using the App	4	Med
US-11	As a user, I need to create an account by specifying my username, password and email -or- by using my Facebook or Google account	8	Low
US-12	As a user, I need to be able to login in to my account	4	High
US-13	As a user, I can share my eating data onto facebook so that my friend can see how healthy I am and I help to promote local restaurant	4	Nice to have

Functional Requirements

ID	Description	Agile Sizing	Priority
FR-01	App will be able to get data from wearable device and analyse it (too broad, we need a single task like “fetch calorie data every X minutes via Bluetooth”)	4	High
FR-02	Nutrition data of food from local restaurant will be put in a database with certain category (origin of food, flavor etc.) that the app can easily access	8	High
FR-03	App will conduct survey on user about their eating habit when they first log in	4	High
FR-04	App will be able to put all the food option into different calorie range	2	Med
FR-05	Based on user's workout data and personal eating habit , random food option will be recommended to the user (by the way, the suggestion does not have to be random, the app may have a popup asking what you are in a mood for today)	4	Med

FR-06	Once food option got recommended to user , user will be able to select 'confirm and order' or other option, which will bring a backup menu for user to select	4	Med
FR-07	Calendar will be created within the App in order to notify user to order food certain time a day	4	Med
FR-08	Login page should ask for username and password or let user to create an account	4	High
FR-09	Signup page should ask for a unique username, password and email	8	High
FR-10	Setup server with database that stores user information	4	Med
FR-11	App will be able to share user's eating data onto facebook	4	Nice to have

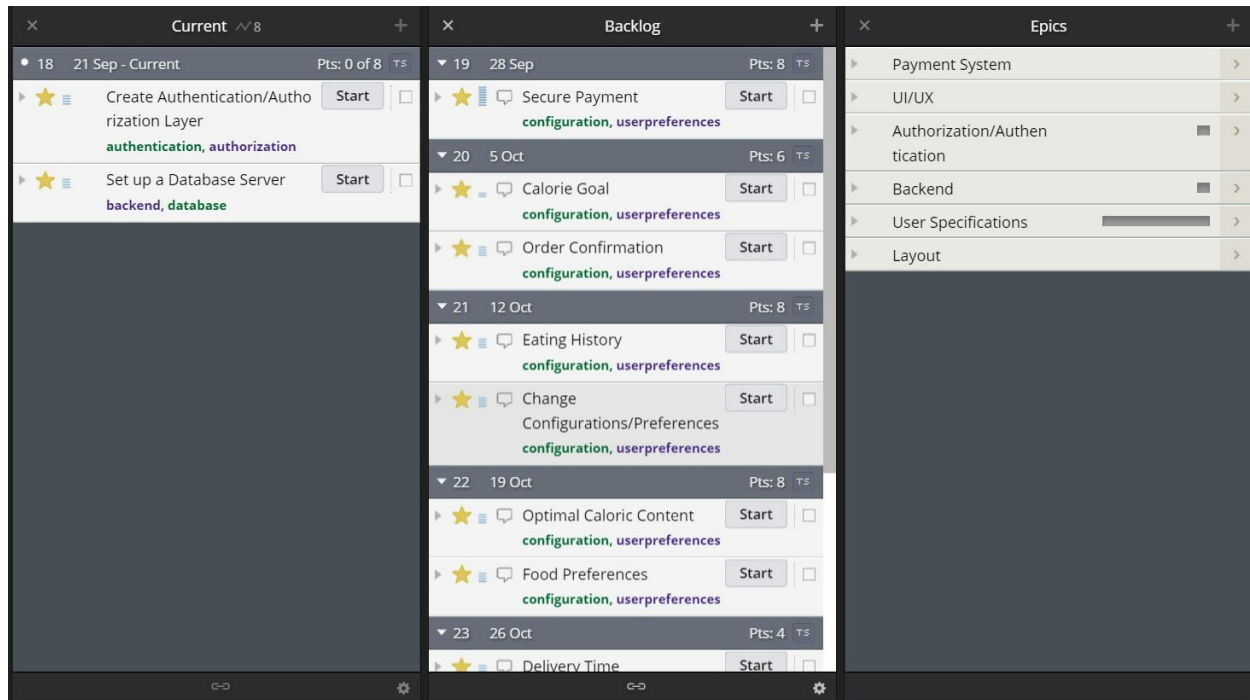
Non-Functional Requirements

ID	Description	Agile Sizing	Priority
NR-01	Get the licence for the app store	2	High
NR-02	App interface has to be user friendly and intuitive	TBD	Nice to have

Methodology: Agile

Project Tracking software: Pivotal Tracker

<https://www.pivotaltracker.com/n/projects/1342872>



Market Analysis (extra credit):

Target market: full time employee , professionals who spend a lot time in the office but trying to be healthy and in shape

- research shows there are about 300,000 full time employee who spend most of their time in office in denver area
- as the technology industry growing, we believe this number will continue grow.
- In high tech company lots of engineers are busy but also trying to stay healthy. They might be a big potential market for us .

Profile of competitors: currently there is no competitor doing similar project . we have the potential owning the whole market

- currently competitor (local delivery firm such as Hungry Buff): They are doing traditional food delivery service. Our product add the value of health care segment based on wearable technology and big data
- potential competitor : Delivered Dish, Hungry Buff, Food To You, Dine in Delivery
- Advantage of competitor: been in the industry for a while, have more expertise of delivery logistic
- Disadvantage of competitor: does not have food nutrition data tracking system and personal health and taste system .
- potential business model: partnership with local delivery company

Competitive Advantage :

- updating with the incoming wearable technology
- combination of health, IoT and traditional food delivery industry
- Upgrading with new technology and business model on the currently food delivery system
- Price: further marketing research required