Lean Analytics for a Leaner Person

Demo #1

Fall 2015, Group #8 – Information & Members

Project Repository @ Github – Health Analytics
Project journal – http://blog.willkara.com
Website Homepage--http://willkara.com/projects/HealthAnalytics/index.html
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1.What is our project?

Our solution for people struggling to get healthier is the Health Analytics System. Users can use Health Analytics to track their personal health activities and track their progress. This system will also collect data from social media sources and from the users to help people visualize their own health and their community's health, and allow them to change their lifestyles for the better as they compare themselves to

other people. While doing this we also allow healthcare providers and various medical professionals to collect anonymized health information allow them to provide solutions tailored to the health problems of the communities they serve.

2.Main Functions in Our Project

Data Collection & Filtering

As what we designed, data source will be added and directly provided by the user via mobile application & website. And this kind of data source will be more reliable, it will be ensure correct formatting and include useful information like time, type of activity, among other things. Meanwhile, this information will be retrieve and display when user requests it.

Mobile Application & Website

Mobile app & website will allow users to enter details of their activities directly to their account, which include the duration of their activity, type of activity and their location, among other things. We will also allow users to share their activity on social media.

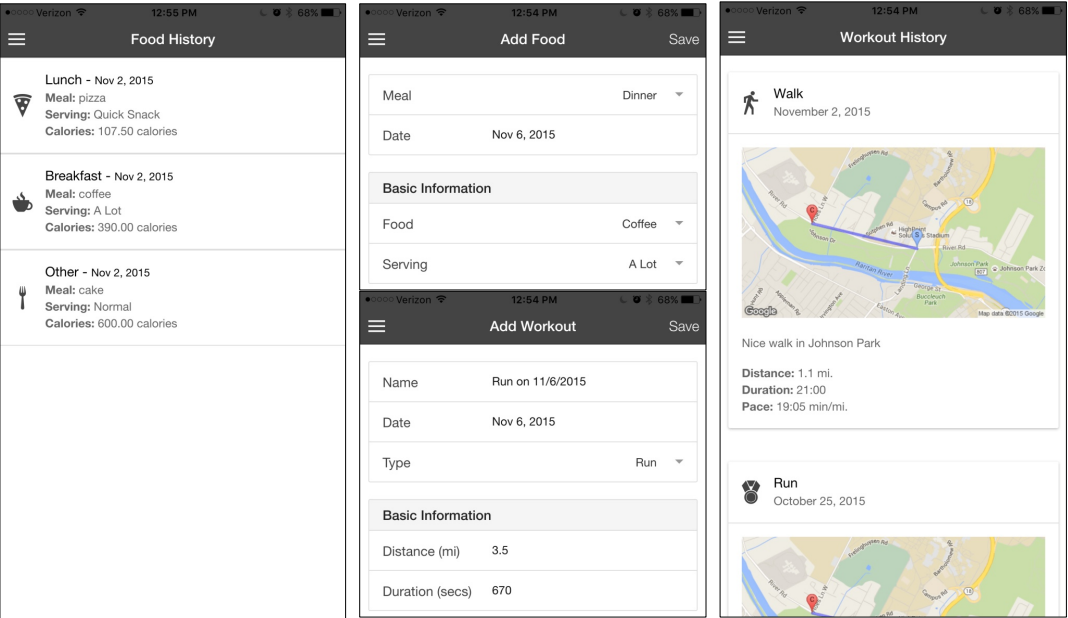## Activity Comparison & Visualization

This information will be displayed in the website and mobile application so the user can compare himself or herself against other based on our categories. The user will now be able to see his or her rank as well as the top 25 other users based on various categories aforementioned. Also, the user the will now be able to see his or her history of activity. We will also continue to support the heat map and percapita statistics of the previous group.
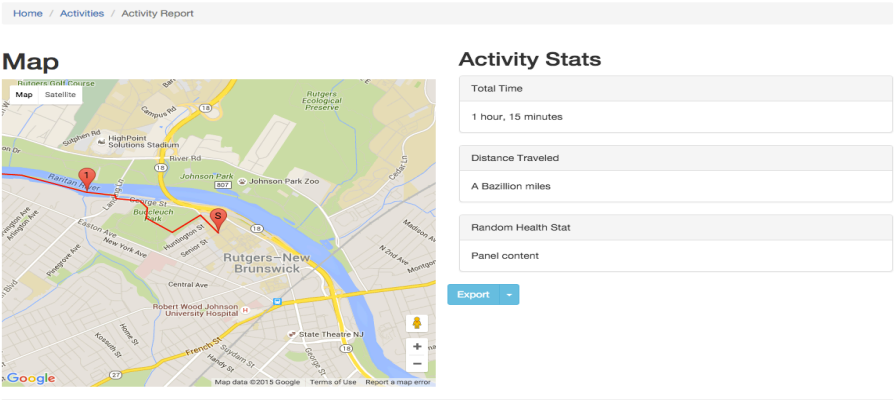
Health Model

This is the one of main feature in our system. The models used to predict Cholesterol, Blood Pressure and Heart Rate are instances of the Regression Tree, whereas the Health Index is an equation we developed to outperform the BMI. This class is responsible for generating the model and exporting so that it may be imported into the database. And users can easily to manage their health schedule based on our health model.

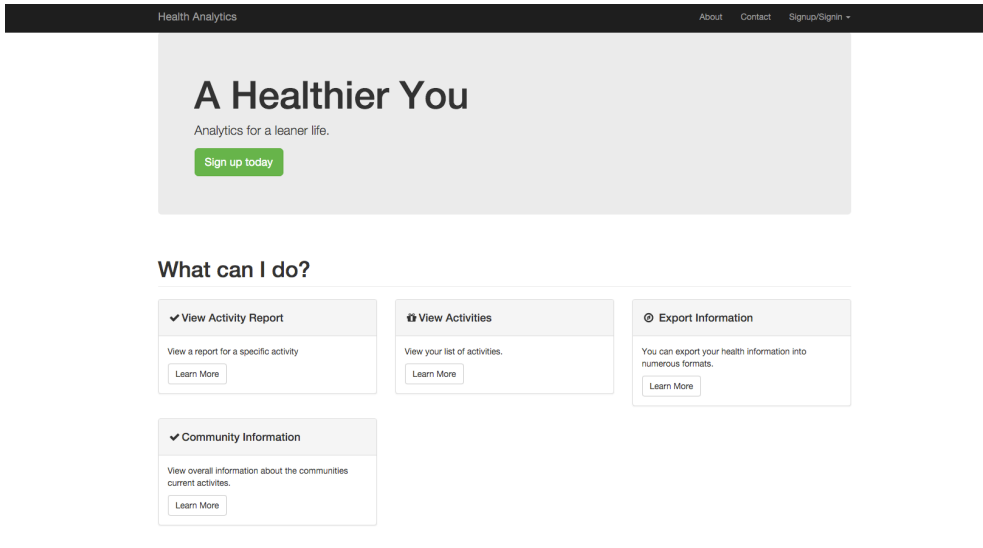# 3.ScreenShots about Our Mobile Application & Website.

Mobile Application

Food History

Lunch - Nov 2, 2015
Meal: pizza
Serving: Quick Snack
Calories: 107.50 calories

Breakfast - Nov 2, 2015
Meal: coffee
Serving: A Lot
Calories: 390.00 calories

Other - Nov 2, 2015
Meal: cake
Serving: Normal
Calories: 600.00 calories

Add Food | Save

Meal | Dinner ▼
Date | Nov 6, 2015

Basic Information
Food | Coffee ▼
Serving | A Lot ▼

Add Workout | Save

Name | Run on 11/6/2015
Date | Nov 6, 2015
Type | Run ▼

Basic Information
Distance (mi) | 3.5
Duration (secs) | 670

Workout History

Walk
November 2, 2015

Nice walk in Johnson Park

Distance: 1.1 mi.
Duration: 21:00
Pace: 19:05 min/mi.

Run
October 25, 2015

About Subheading

Home / Activities / Activity Report

Map

Activity Stats

Total Time
1 hour, 15 minutes

Distance Traveled
A Bazillion miles

Random Health Stat
Panel content

Export ▼

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Website

About   Contact   Signup/Signin ▾

A Healthier You

Analytics for a leaner life.

Sign up today

What can I do?

✔ View Activity Report	🎽 View Activities	⊘ Export Information
View a report for a specific activity	View your list of activities.	You can export your health information into numerous formats.
Learn More	Learn More	Learn More

✔ Community Information
View overall information about the communities current activites.
Learn More

About

Home / About

Leaner analytics for a leaner you

The goal of this site and application is to help streamline the process of finding out more about the current health trends of yourself and those around you.

Not only will you have the ability to enter in your workout information, you'll be able to compare it to those around to compare and contrast different metrics pertaining to health.

Some include:

- Run time & Distance
- Averaging splits
- Caloric Intake

The Healthy Community

Not only will our project allow you to have a consolidated place for all of your health information, you'll also be able to look at health trends from your community and those around you. Has everyone been slowly improving their running times over 5 miles? Is the average bike ride aorund 12 miles?

Our Team

Contact

Home / Contact
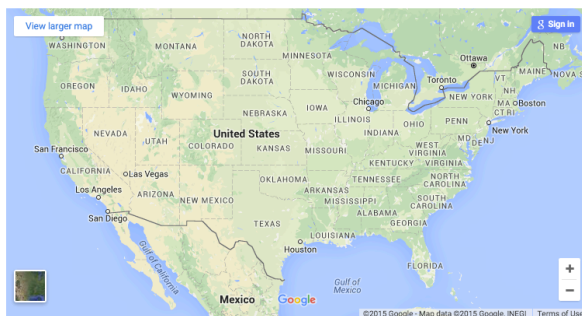
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Send us a Message

Full Name:

Phone Number:

Email Address: