

A report on

## FANCY FOODIE : A FOOD REVIEW APP FOR IPHONE

Done by

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## CERTIFICATE OF APPROVAL: MASTER'S PROJECT



UNIVERSITY OF ILLINOIS  
AT CHICAGO

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**Student Name:** \_\_\_\_\_ **UIN:** \_\_\_\_\_

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Last \_\_\_\_\_ First \_\_\_\_\_ M. \_\_\_\_\_

Last

First

M.

## Degree Program:

### Degree Sought:

Program Code: 20FS

Project Title:

### **Results:**

## SATISFACTORY

Project meets the standards of scholarly performance expected of master's candidates in the field.

## UNSATISFACTORY

Project lacks the minimum criteria for approval.

Grade Change:

(Indicate below any research courses requiring a grade change upon completion of the project.)

## **AUTHORIZED APPROVAL**

**Major Advisor:**

Date:

**Committee:**

Date:

Date:

Date:

Date:

Department DGS:

Date:

## Graduate College:

Date:

## **Abstract**

Here is abstract.

# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Background</b>	<b>2</b>
2.1	Motivation . . . . .	2
2.2	Restaurants Review Apps . . . . .	3
2.2.1	Yelp . . . . .	3
2.3	Recipe Related Apps . . . . .	4
2.3.1	Evernote Food . . . . .	4
<b>3</b>	<b>Project Design</b>	<b>5</b>
3.1	System Requirement . . . . .	5
3.2	Design Philosophy . . . . .	6
3.2.1	Singleton Design Pattern . . . . .	6
3.2.2	Model-View-Controller . . . . .	6
3.3	Architecture . . . . .	7
<b>4</b>	<b>Implementation</b>	<b>9</b>
4.1	Data Model . . . . .	9
4.1.1	Database Schema . . . . .	9
4.1.2	Settings List . . . . .	9
4.2	User Interface Design . . . . .	11
4.2.1	Home Tab . . . . .	11
4.2.2	Foodie List Tab . . . . .	11
4.2.3	Stats Tab . . . . .	11
4.2.4	Map Tab . . . . .	11
4.2.5	Setting Tab . . . . .	11
4.3	Workflow . . . . .	17
4.3.1	Insert New Event . . . . .	17
4.3.2	Update Event . . . . .	17
4.3.3	Delete Event . . . . .	17
4.3.4	Searching Logic . . . . .	17

<b>5 Future Work</b>	<b>18</b>
<b>6 Conclusion</b>	<b>19</b>
<b>Acknowledgements</b>	<b>20</b>
<b>References</b>	<b>21</b>

# List of Figures

3.1	Storyboard of Fancy Foodie . . . . .	8
4.1	Database Schema . . . . .	10
4.2	Home Tab View . . . . .	12
4.3	Foodie List Tab View . . . . .	13
4.4	Statistics Tab View . . . . .	14
4.5	Map Tab View . . . . .	15
4.6	Setting Tab View . . . . .	16

# Chapter 1

## Introduction

Mobile Apps are making our life more and more interesting than ever before. A lot of young people love to take photo with their smart phone, making comments to it and sharing with their friend about what they had done. I personally find it would be useful if there is a tool for anyone to create food event and share with friends.

This project is a food review application called “Fancy Foodie” for iOS. The particular aim of the project is to be able to review food and sharing food event with friends. Before you start eating, the user would take a picture of the food they are going to eat and give some basic information about location, tags, date etc. Tags are used to describe the type of the food such as “Chinese, Bun” or “Tea, Classic, Jasmine Green”. After finish eating, the user would make comments of the food. This application also lets user search nearby location or location defined by user, which will show a list of pins on the map where the user had been there before, to decide what the user want to eat. When the user saves a food event, he or she may also share the review and foodie’s photo to Facebook or Twitter or to an email address. For user to see the history records, the application also provide a way to view statistics data such as how many places the user has been, how the rates are, how many tags the user used etc. ?

Currently, various of apps related to foodie are available in apple’s app store. But most of them focused on the whole store/restaurant review. This could be inaccurate sometimes because you might just hate one dish. And there are also a few recipe-related apps. But the project want to have a better tool to publish what you eat instead of how that dish is made.

# **Chapter 2**

## **Background**

### **2.1 Motivation**

Seeking for places to eat is a thing in my genuine. I always want to keep track of my food adventures so that next time I could have better sense of what kind of courses I should order. I could also give recommendations to my friends about the adventures. Luckily, it turns out that I am not the only one want to do such kind of thing. A few of my friends tells that people nowadays love to take photos of the food before they eat, and post their photos to all kinds of social media such as Facebook, Twitter, Weibo (Chinese Twitter) etc.. Especially asian students have really strong motivation to take pictures of food when they eat.

After searching the apps available in apple app store, I didn't find any suitable choice for my need. So I came up with an idea that I need to make best use of skills and build a good app for people who like to explore food world with friends.

## **2.2 Restaurants Review Apps**

### **2.2.1 Yelp**

Yelp is used by tremendous people to get rate of restaurants in order to pick a place to eat. The searching filter for Yelp app is really good since they have a very rich database of different kinds of restaurants as well as different reviews from many people. The app provide a way to check with map and give direction the restaurant which is helpful for people to find the place. On the other hand, since they have a really large database, it is not easy to find what exactly you want to go. And most of the reviews are from people you don't know, it is highly possible that the taste of the people might be different from yours. Let alone there are people paid to make fake good reviews or bad reviews for some restaurants.

In this app, you're not using this looking for suggestions of where you're going to eat, but you need to get suggestions from your social media where your friends published restaurants reviews. In this way, fake reviews will be avoided.

## **2.3 Recipe Related Apps**

### **2.3.1 Evernote Food**

Food app from Evernote did a good job showing the meals. The user interface is really friendly. Adding tags to the meal is easy and choosing place information is convenient in Food. The app also provided functionality to add a cuisine recipe as well. But people likes to take pictures of their food not always into making food. So in our project, we won't do any recipe recording.

# **Chapter 3**

# **Project Design**

## **3.1 System Requirement**

- Operating System: iOS 6
- Compile with Automatic Reference Counting (ARC)
- Hardware Used: iPhone 5 and iPod Touch 4th Generation

## **3.2 Design Philosophy**

### **3.2.1 Singleton Design Pattern**

Design Pattern is used in this project. In software engineering, the Singleton Pattern arms at creating the instance of a class only one time so that we don't need to create twice. It is especially useful when you need to use a method of the class while the class is just a toolkit for you. In this project, we could this pattern to create a Settings instance in order to keep Settings globally shared inside of the app. There are a bunch of other places use this pattern as well, such as NearbyVenueController, LocationManager etc.

### **3.2.2 Model-View-Controller**

Another popular design philosophy in software engineering field is Model-View-Controller. This separate each parts so that we could focus on one thing instead of all together. We could call it as a divide and conquer method. The benefit to use it is that if we changed one Controller function, sometimes we don't need to update the view for it. It is a time and life saver for app designing.

### **3.3 Architecture**

Figure 3.1 shows main views in storyboard. In this project, we build it as a tab based application. Five tabs are created for different purpose. Home tab plays as a guide to create a foodie event; Foodie list tab shows all the events created before; Statistics tab shows all aggregated data; Searching tab is used to show all past events and searching by address to find the events locations; Setting tab is for configurations.

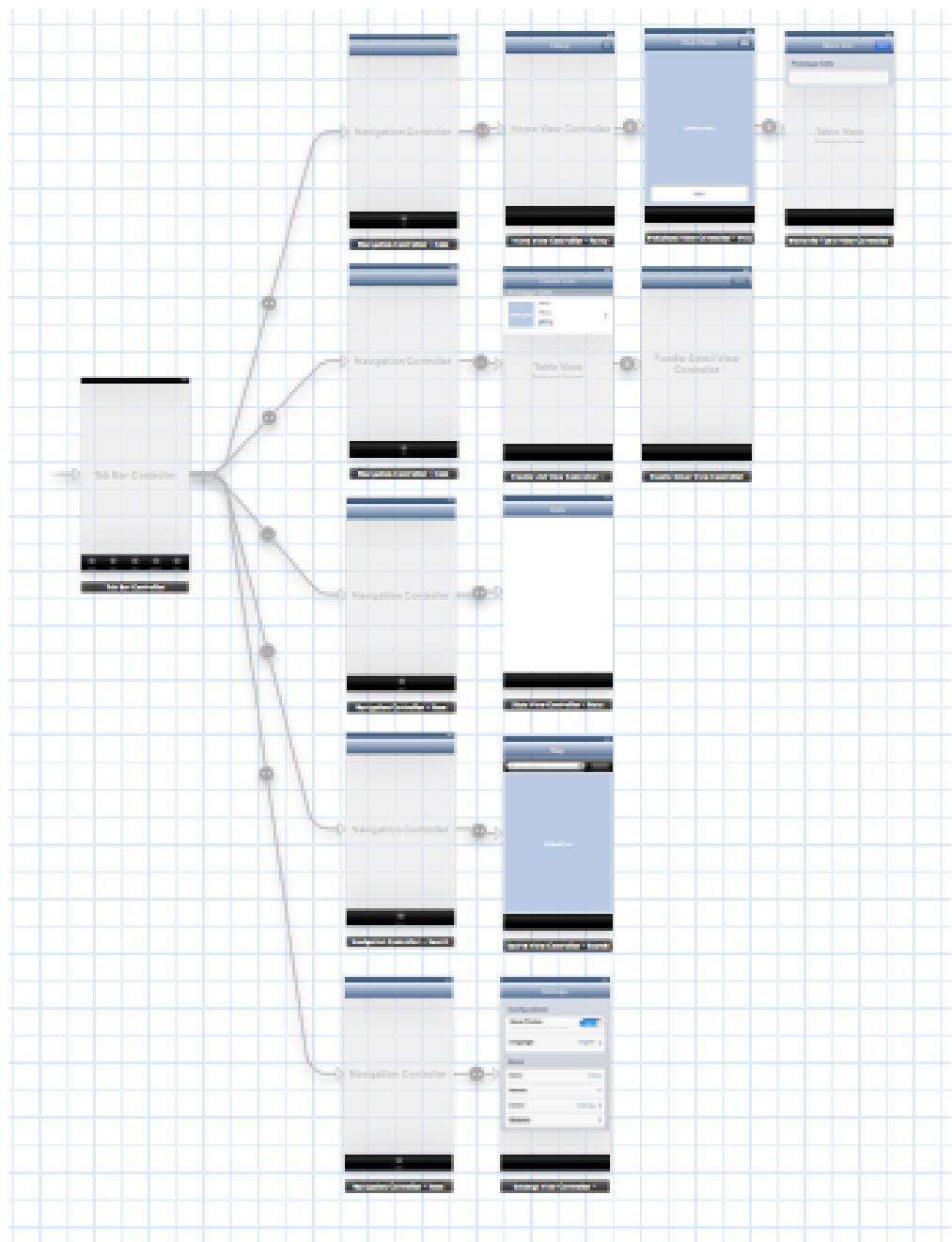


Figure 3.1: Storyboard of Fancy Foodie

# **Chapter 4**

# **Implementation**

## **4.1 Data Model**

### **4.1.1 Database Schema**

### **4.1.2 Settings List**

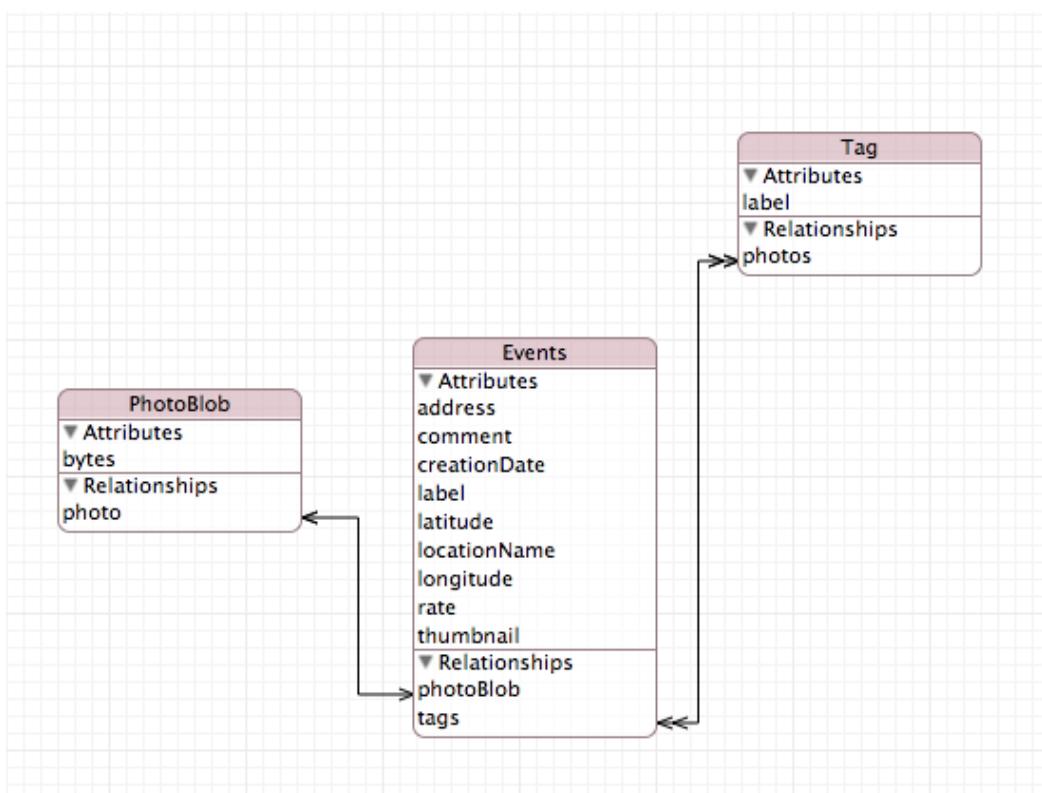


Figure 4.1: Database Schema

## **4.2 User Interface Design**

**4.2.1 Home Tab**

**4.2.2 Foodie List Tab**

**4.2.3 Stats Tab**

**4.2.4 Map Tab**

**4.2.5 Setting Tab**

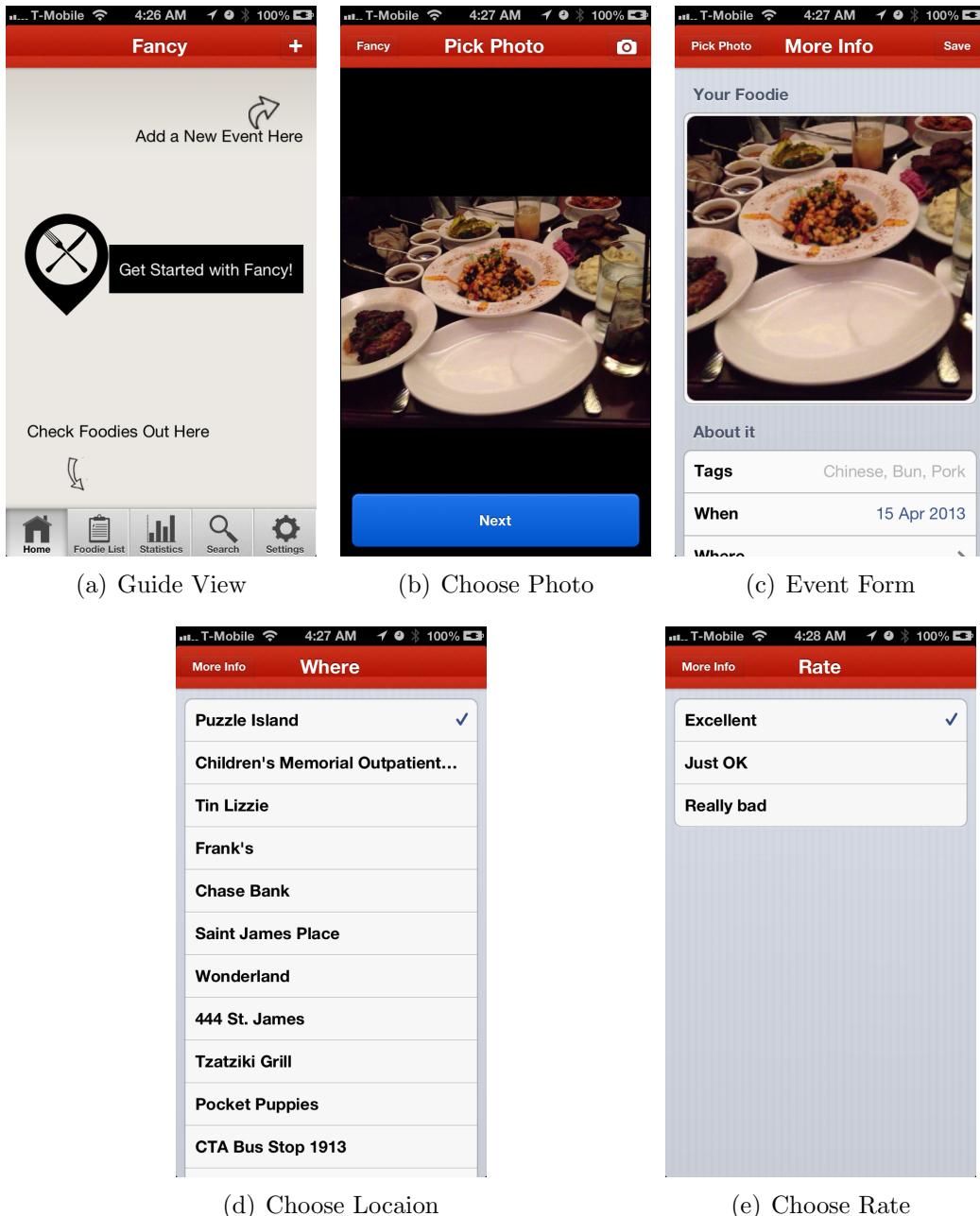
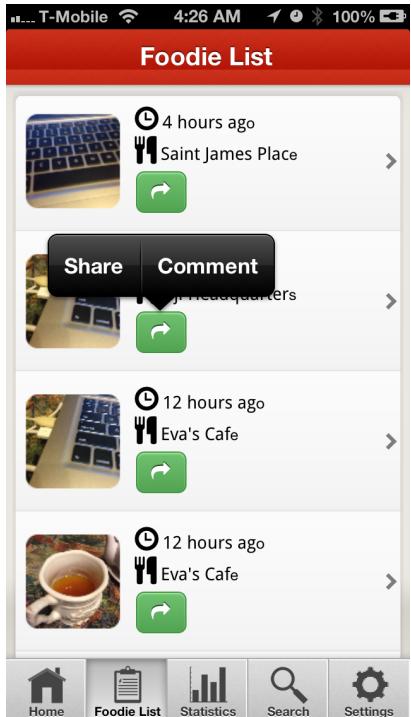
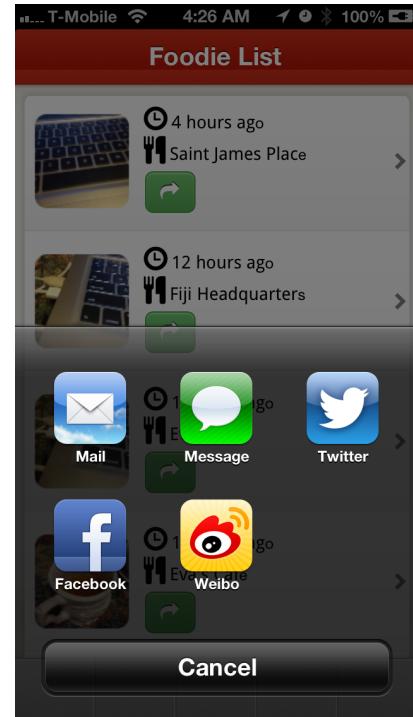


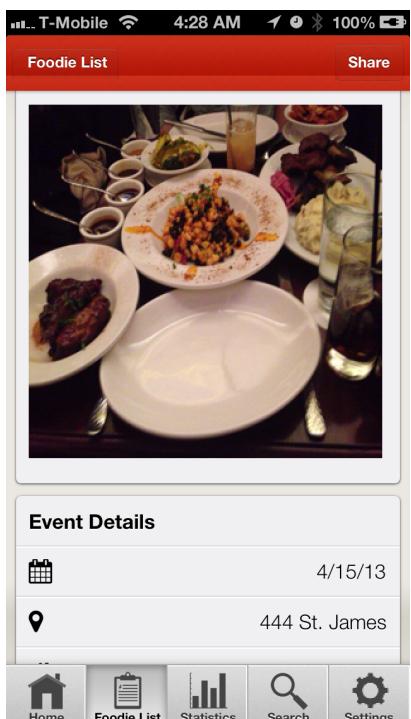
Figure 4.2: Home Tab View



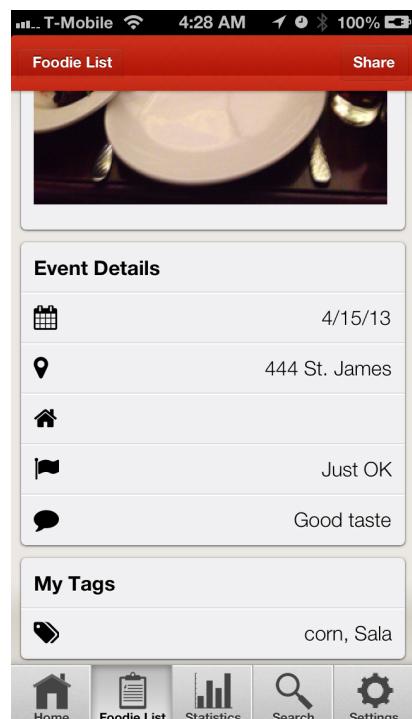
(a) Foodie List



(b) Sharing



(c) Detail View



(d) Detail View Cont'd

Figure 4.3: Foodie List Tab View  
13

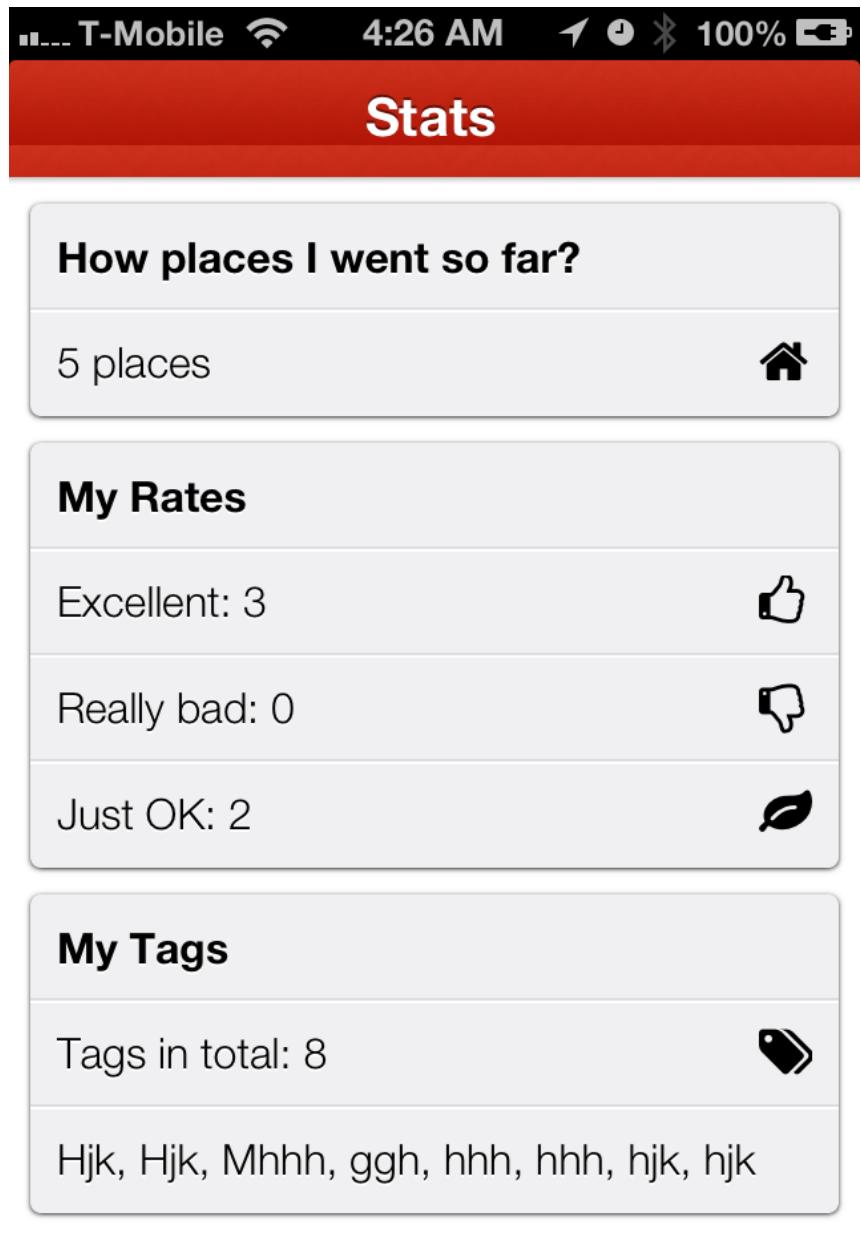


Figure 4.4: Statistics Tab View

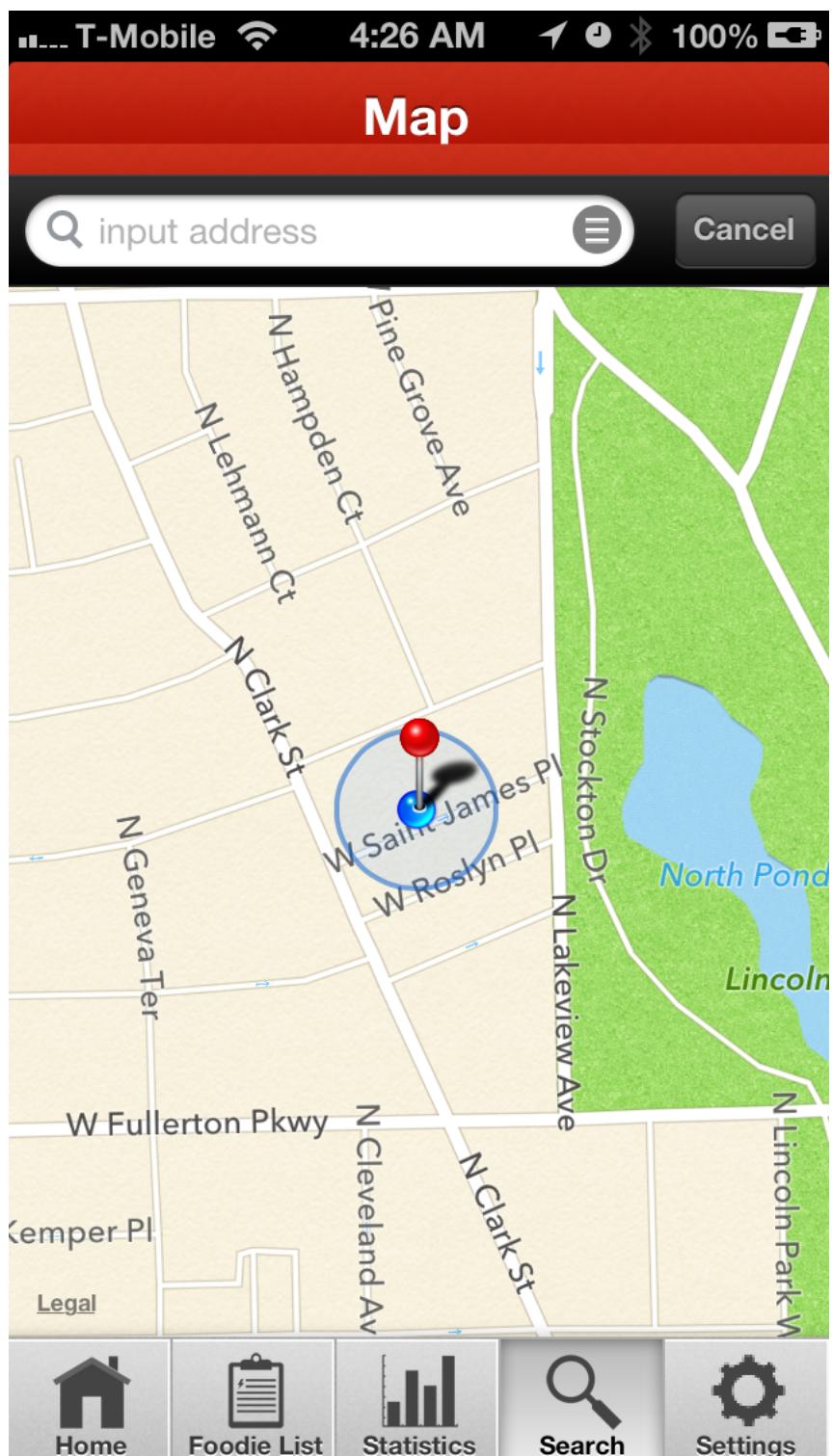


Figure 4.5: Map Tab View



Figure 4.6: Setting Tab View

## **4.3 Workflow**

**4.3.1 Insert New Event**

**4.3.2 Update Event**

**4.3.3 Delete Event**

**4.3.4 Searching Logic**

# **Chapter 5**

## **Future Work**

Future work here

# **Chapter 6**

## **Conclusion**

Conclusion here

# Acknowledgments

I would like to thank open source community. Without them, I probably need much more time to finish this project.

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April 2013  
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# References

- [1] ¡Name of the reference here¿, <urlhere>
- [2] ¡Name of the reference here¿, <urlhere>