

# **Android App Proposal – NY Restaurant Hunter**

Wen-Hai Hsiao

Email: [whsiao2@myseneca.ca](mailto:whsiao2@myseneca.ca)

Professor Andrew Smith

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## Introduction

This android app, *NY Restaurant Hunter*, provides the location information of all restaurants in New York (NY) to users, who love gourmet food and like to go to different restaurants to taste them. While user travels to NY City, he/she can use this app to find which restaurants in NY near his/her position. With this app, users can share the pictures, comments and rates about the restaurants they visit to others. Additionally, users can collect the numbers of restaurants they visit as playing a hunting game to win rewards.

This app is a good choice for this course project, because it involves several knowledge I learned in the class, such as loading data from.csv file to database, using SQLite, interacting several kinds of activities, operating dialogs/toasts and so on. Furthermore, it also includes knowledge I will learn in the next weeks, such as Location services, Messaging.

## App Features

### ■ *Search all restaurants in NY*

- Show the locations (Markers) of all Restaurants in NY City on Google Map.
- There are 2 kinds of Google Map Markers:
  1. The restaurants which user did not visited yet or commented.
  2. The restaurants which user has already visited.
- Click the marker of Restaurants to open the Comment Activity.

### ■ *Comment Restaurants*

- It allows user edit/modify comment information of a restaurant including:
  1. Rates
  2. Comments
  3. Photos

### ■ *List the restaurants user has already visited (ListView)*

- Click each item could open an activity to show the detail of comment of a restaurant.
- Show different rewards according to the numbers of restaurant comments.

- For fun
  - Collect numbers of restaurants to win rewards.
- Share Comments of restaurants to friends via Email.

## **Expected Users**

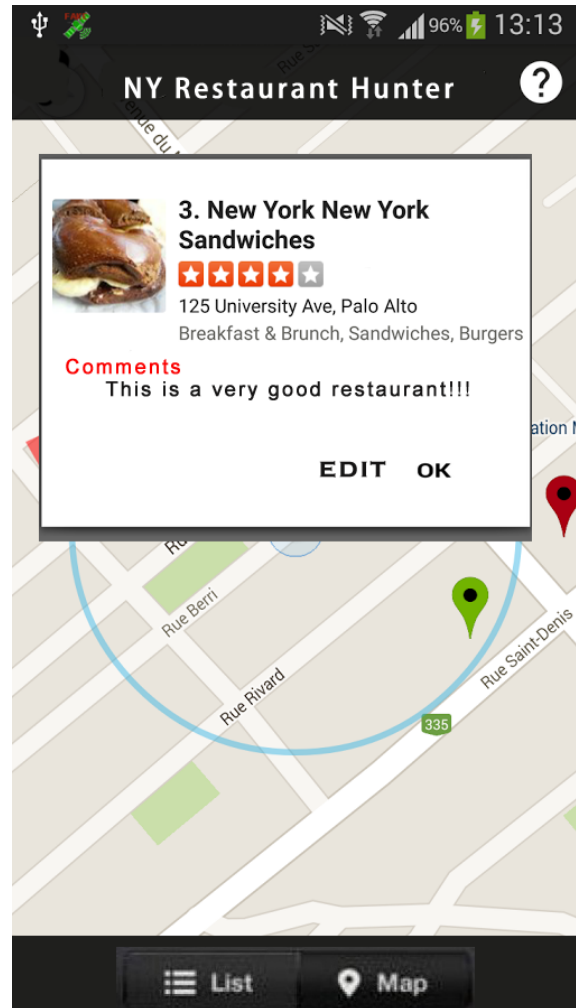
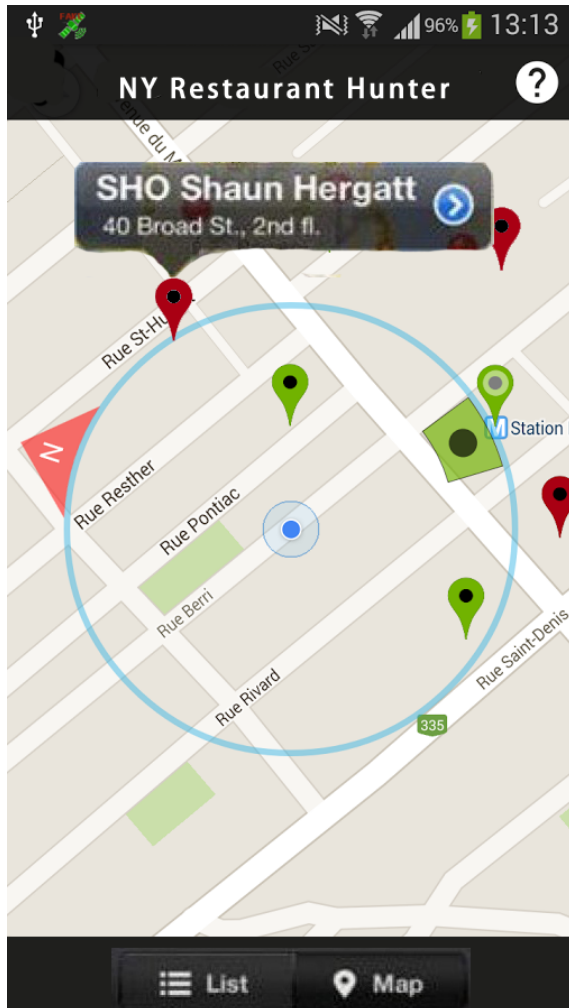
- People who love gourmet food and like to go to different restaurants to taste them.
- People who want to know which restaurants near their position in NY.
- People who like to share their opinions about the restaurants they visit in NY.

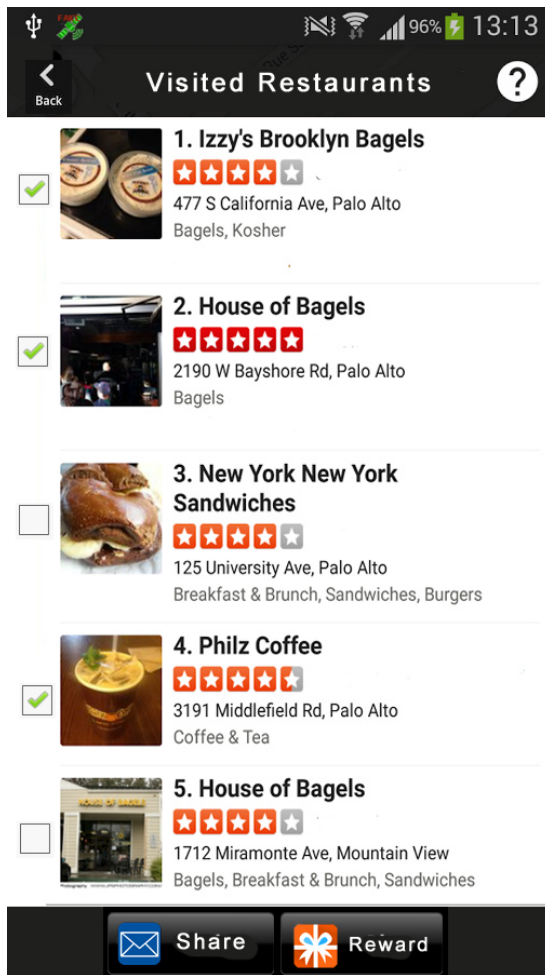
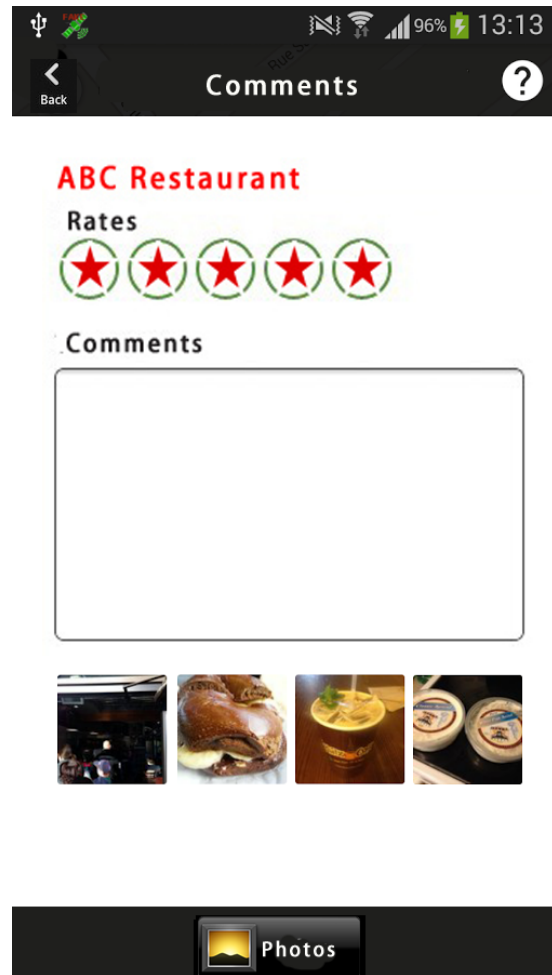
## **Use-Cases**

1. While an user who love gourmet food and like to experience different restaurants travels to New York, they would like to use this app to find out restaurants which they are interested. Also they might want to share or introduce several good restaurants to their friends.
2. Some users might like to record some good restaurants in NY for their great traveling memories or to make drafts for their blogs' contents, which introduce good restaurants they have visited.

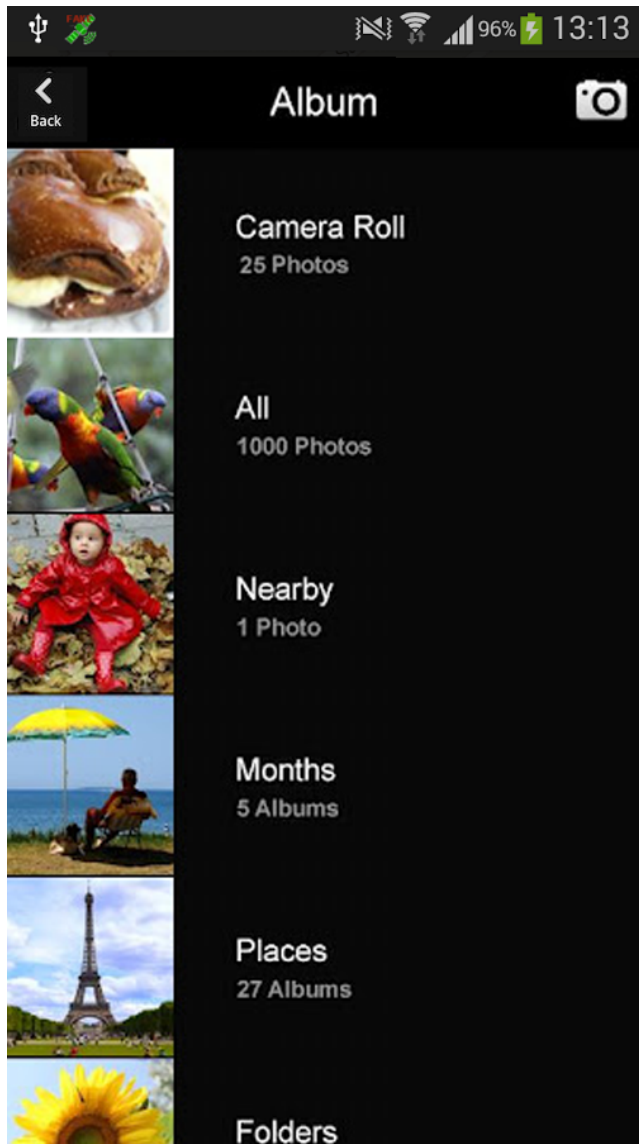
# Design

## 1. Main Activity



2. List Activity3. Comment Activity

### 3. *PhotoAlbum Activity*



## Timeline

	Weeks				
	1	2	3	4	5
Loading Restaurant Data from csv file					
Build Main activity and setup all database					
Build Comment, List and PhotoAlbum activities					
Build Reward Activities & Email					
Testing & Submission					

## Database Resource

*Food Service Establishment: Last Inspection*

<https://health.data.ny.gov/Health/Food-Service-Establishment-Last-Inspection/cnih-y5dw>