

# Project Descriptions and App Development Plan

1. **Project Description:** In this project, we seek to develop an application to visualize data obtained from DOHMH New York City Restaurant Inspection Result. This App is intended for three groups of users:
  - (1) Restaurant owners: Our application will provide a list of top violations committed by each category of restaurant. The owner can use this information to regulate their operation and thus avoid violations.
  - (2) Customers: Our App will provide information on violation history, restaurant grade and other related info for any selected restaurant for the customer's benefit of accessing sanitation.
  - (3) Policy makers: Given each zip code or cuisine type, the App will visualize top violations within that area.

## 2. Development plan:

### (1) Feb. 10 - Feb. 13: Data Cleaning

- (a) Divide dataset into four subsets
- (b) For each set, separate "year" from "date" column
- (c) Filter out data from the first two years.(done)

### (2)Feb. 11 - Feb. 12 Server Design

- (d) Shiny App design(specify what we want to provide in our Shiny App)
- (e) go through Shiny study(read the whole file of tutorial) and the example from Prof. Tian

### (3)Feb. 13 - Feb. 17 Develop UI.R

- (f) Shiny server for restaurant owner
- (g) Shiny server for policy maker

### (4)Feb.17 - Feb 19

- (h) UI for restaurant owner
- (i) UI for policy maker

### (5)Feb 19 and after

- (j) Prepare for presentation notebook

