**ECE-GY 9953 Advanced Project Plan - Spring 2022**

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**Introduction:**

Developing an application that mixed the function of “Yelp!” and “Uber Easts”.

The recommendation and content of app in most of apps are based on personal or universal rating and habits. We want to make an app based on concern of community. Users can join diverse communities, like Asian Community, Brooklyn Community, NYU Alumni Community.

Universal

Communal

Personal

**Motivation:**

American community has a different taste from East Asian community. Thus, they have a quite different rating criterion on Mexican food, and East Asian may not prefer the food if most of ratings are from American, even though overall rating of the restaurant is high. Our app will show both the overall rating and the individual ratings from different communities.

**Technique**

Database, UI/UX design, Geo-based search, GUIs, Threads, Networking, Algorithm. (May include machine learning)

**Programming Language (May use)**

Java, Swift, Python, HTML, CSS, JavaScript, C++ and more

**Platform**

iOS/Android/website (We will choose a platform)

**Function**

Function 1: Account System

1. User Account
   1. Login, create, delete account
   2. find forgotten password and username, edit profile, manage payment method and more.
2. Business Account
   1. Login, create and delete account
   2. find forgotten password and username, edit profile, manage collection method and more.
3. Customer Representative account
   1. Login account
   2. Response the questions of users
4. Admin Account
   1. Delete ratings, comments, and other accounts
   2. Create, delete customer Representative account
   3. Check status of all orders

Function 2: Rating System

1). Environmental Rating System

2). Filter based on different communities, food type, date and more.

3). User account can post their rating

4). User account can create rating categories.

Function 3: Searching System

1. User account can search restaurants, locations or foods.
2. Filter based on different communities, food type and more

Function 4: Map System

1. Can display the delivery order in map.
2. Show direction for user to restaurant.

Function 5: Order System

1. User can place, delete, and track the order status.
2. Restaurant can accept or reject order.

Function 6: Recommendation System

1). The recommendation system can pop the restaurant information based on community, food type and popularity.

Function 7: Reservation System

1). Restaurant can open or closed the reservation function.

2). User can book the seat for restaurant.

**Unique Features**

1. Our map system can remind user if the time of travel will exceed the opening hour of the restaurants.

2. The restaurants and users can update the status of waiting line and space of parking in real time.

3. More specifical rating, like rating of environment, cleanliness, background music

**Some Brainstorm ideas**

图示

描述已自动生成

图示

描述已自动生成