CSC309 – Assignment 4

Team Info:
- Trevor Ku (g5kutrev)
- Phillippe Hernandez (g3phyll)
- Jason Ly (g4jlyzx)
- Peter Karl Bacalso (c3bacals)

Github Link: https://github.com/CSC309-A4/Assignment4

Yum In The Tum (YITT)

Description

YITT is a sharing service that will create a network of food delivery which is a highly sought after service by many individuals. Unfortunately a large number, if not majority, of food chains or restaurants do not offer this service. YITT solves this problem through letting everyday people who happen to be at the right place at the right time take over this service at zero cost for the food store.

How it Works

The service allows connection between: hungry individuals that are unable or unwilling to make a trip to the store and are looking for a delivery service; with individuals that are currently at, or are willing to make the trip to a restaurant, fast food, or food store. Users will be able to visit the website and anonymously post an order which entails specifying which store they want food from and what food they want. They will then wait for any deliverer to pick up their request, confirm the food was purchased and exchange funds when the deliverer arrives at the user's location. Users also have the option to create an account which include benefits such as request priority, seeing order history, saving payment information, and saving request details for quick order. As for the deliverers, anyone is eligible to sign up as a deliverer and they will be given a separate account that can display all requests in the area or requests that are filtered by the deliverer. When a request is accepted by a deliverer, the user will send funds to our system and the deliverer will get what was specified, send confirmation that the food was bought through a receipt and head to the user's location. When the deliverer arrives, both parties will confirm and the funds being held will be transferred. If the user decided to cancel the request at any point, they will be charged a cancellation fee, however the fee will be significantly larger if the deliverer has already purchased the food. Feedback can be left for the deliverer so when future requests are sent, hungry individuals will be able to see the credibility of their deliverer.

Challenges for our app.

How do we allow hungry people to find delivery people? How do we allow delivery people to find hungry people?
When one places an order for food, they will state their current location. This allows our app to select delivery people who are near them. Delivery people can also search for hungry people based on their own location.

How do we handle payments?

Idea is that the hungry user will pay us (the system) first. When the delivery is successful (both user and deliverer confirm the delivery) we then pay the deliverer. Users will have a “wallet” where their funds are kept. They can put money in their wallet via a credit card.

Specification / Main Features:

- Profiling - each user’s profile will depend on whether or not they are a “hungry person” or a “food deliverer”. If they are a hungry person, their profile page will contain information about their order history and related information. Likewise, for a delivery person, their profile page will contain information about delivery history and related metadata.

- User Authentication and Authorization - authentication is the process of verifying who a user is. Each user is identified by their email address and password.

- User Interactions - a user can be either a deliverer or a hungry person requesting food.

- Implicit Social Network - in this social network users that share the same general location are considered to be “friends”.

- Reputation System - the system will resemble a reputation system that computes and publishes reputation scores for the food deliverers registered on the system. The reputation score of the deliverer is based on the community member who has requested something from that deliverer through a simple rating system (star grade, like/dislike). Reputation scores represent what the community thinks of that deliverer and can be used to provide to the users recommendations on who is a reliable deliverer.

- Administrative View - administrators are allowed to view information such as total number of orders issued, total amount of money spent, average delivery time, etc.

Web Pages:
Homepage - describes the system (advantages, how it works, steps to sign up, etc)
Login page - allows any kind of user to log in to their account
Sign-up Page (1 for users, 1 for deliverers) - allows people to create an account
Order Page - For users (hungry people) only, who want to make a food order
Order confirmation page - Reviews the information put in the order page for one more confirmation
Deliver Page - For delivery people only, lets them find hungry people to deliver food to.
Help Page – Instructions for site navigation

Allocation of Feature Set:
Peter: User Sign Up; Log In; Profile
Jason: Order Page
Phil: Homepage
Trevor: Deliverer Sign Up; Log In; Profile