CSC309 Project Proposal

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Project Name: UofTEats[1]

1 Project Overview:

UofTEats is a website for university students to order their food served by food trucks online. Similar to the interface of UberEats, each food truck has its own spot on UofTEats where students can get an intuitive view to all available food trucks. By clicking each truck's view, students can order any food they want from the menu of the specific food truck and set a time to take the order from the truck.

This website is intended not only to solve the issue that students have to suffer from the extremely hot/cold weather while waiting for the order to be ready, but also save their time by ordering their lunch/dinner before the lecture is finished.

2 Features:

a. User Profile:

There are 3 kinds of users in UofTEats, which are the students, the food truck managers, and the admin.

For students, their profiles contain the student name, student number(as login number), login password, student phone number, student email, and a profile image. The student name and profile image can be seen by the public, other info can only be seen by the user.

For the truck managers, their profiles contain the truck name, the truck number(as login number), login password, menu, truck phone number, serving hours, truck location, rate(summerized from the students' reviews), food type, and truck profile image. Excluding password, those are all available to other users.

Details about "food items" and "food orders" will be described in DATA subsection.

Details about the admin will be described in ADMIN section.

b. User Authentication and Authorization:

In the login page, users have to choose their role while login as a student or a truck manager.

Admin must login in a special login page instead of the regular one provided to the public. This will add more secureness to the whole system when having some restrictions on routing requests. For example, we can set the admin login page to be available only for the local area network.

All users must use their login number and login password as the authorization token to login.

Students could change all the infomation in their profiles except their student number(login

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[1]As requested by whom comes up with this idea, we are giving a huge credit to ZHANG Jingqi(Jinny) who is working hard in CSC318

number). Similarly, truck managers are also able to change all the info, including food lists but not including their truck numebr(since it's also a login number).

c. Data:

One of the two mainly used data is the "food items", which contain food name, food description, food image (optional). "food items" can only be added by truck managers, and can be updated quite often.

The other is the "food orders", which is created by students and is sent to the truck manager automatically after students have successfully scheduled the pickup. Each "food order" contains a unique order number, a list of food orders, student's pickup time and any footnotes from the food truck.

Besides, profiles for all the users are also required.

3   Views & Interactions:

a. For all users:

(1) Login Page: A form for gathering login information, containing a login role(i.e. student/foodtruck manager), a login number, a password and a button to submit.

(2) Navigate Bar: Containing navigators for students or truck managers to complete a scheduled food pickup and a button to the profile page.

(3) Profile Page: Containing a table of all profile data for that specific user.

* We are going to use the layout that is commonly seen on most of the well-known web apps (as long as they are not patented).

b. Student's View:

(1) Register Page: This page is for new students to get registered into the system. It has a form that contains a student name, student number(used as login number), login password(appear twice for correctness), phone number and email. * Also a common layout.

(2) Main Page: This page will have a grid that displays all available food trucks. Each food truck will be shown as a clickable card.
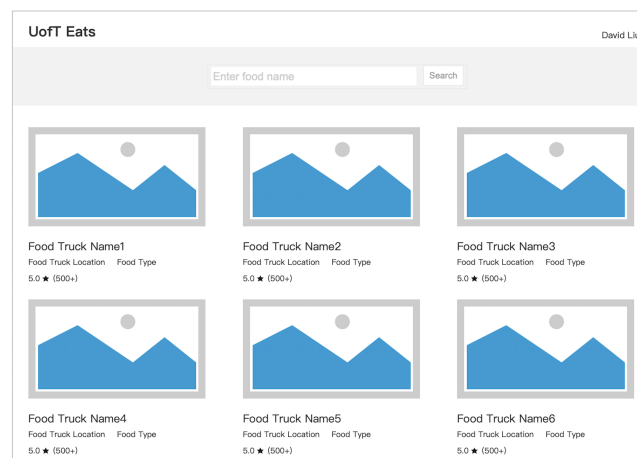
Figure 1: Main Page

(3) Food Truck Page: This page will also have a grid but representing items that specific food truck provides, also in card view.
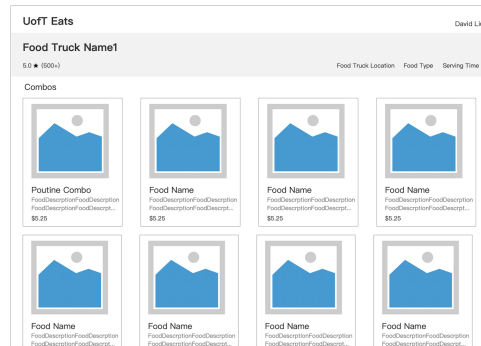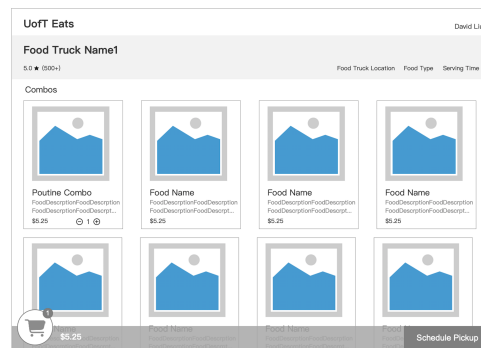

Figure 2: Before any order

Figure 3: After take any order

(4) Order Page: This page shows a "food item" with food name, description and any options that is available to choose.
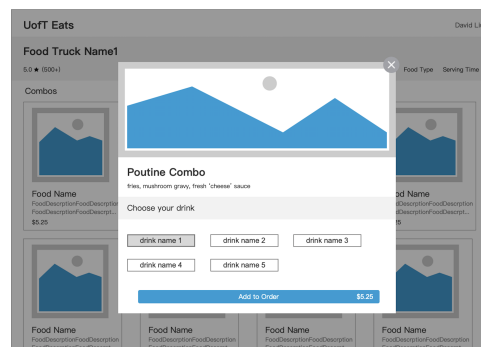

Figure 4: Ordering Page

(5) Scheduling Pickup & Confirmation Page: This page provides timeslots for students to schedule a food pickup and a final review for the order. After clicking schedule button, a confirmation will popup.

Figure 5: Pickup

Figure 6: Confirmation

c. Truck Manager's View:

(1) Get Order Page: After login, the truck manager will immediately see this page that contains a list of orders that were scheduled by students.
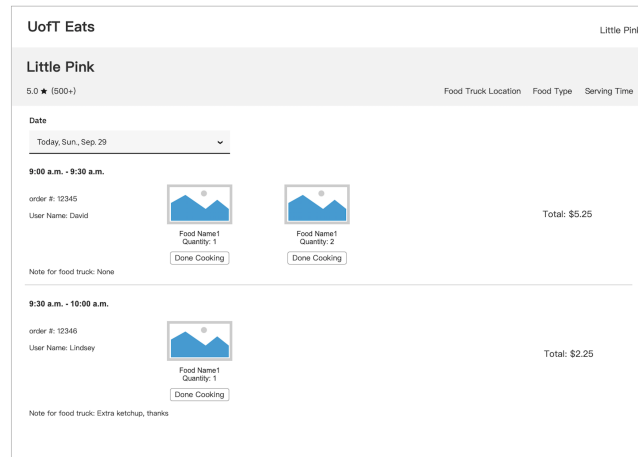
Figure 7: Order View 1
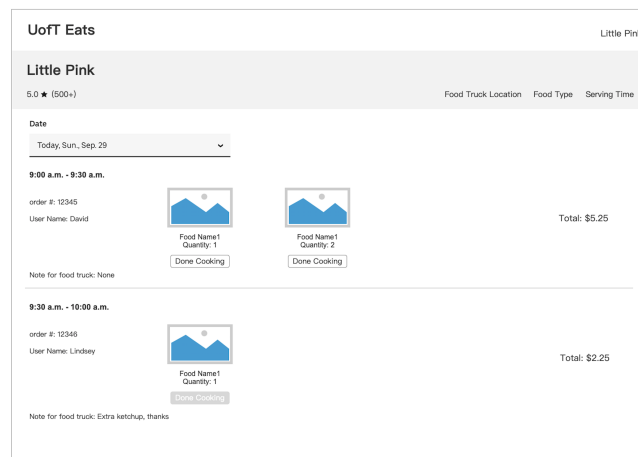
Figure 8: Order View 2

4 Admin

a. The admin profile contains only the login number and login password. These info are restricted to the public.

b. The admin should have access to profiles of every user(student or truct manager) and is able to modify any data of that user. It is also the admin's job to add a new food truck account or remove an existing one.

c. The admin has its own login page. After login, a dashboard with two tabs is given: one for student account management and the other for food truck management with all account profile displayed in lists. Admin is also able to search for certain student or food truck.

Figure 9: Control Panel for Student Accounts

Figure 10: Control Panel for Food Truck Accounts

5   Might be added if time permits

1. Student's order history

2. Food truck register page: for any new food truck managers who wanna operate in the university should hand in a apply form to the admin

3. Foor truck manager dashboard: get to know the profit and other operational costs.