Project Proposal

Team 5
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1. Overall Purpose

We would like to build a UofT food truck food ordering website, in order to make food trucks' information (including food truck location, operating hours, menus, etc.) more accessible. Moreover, we would like to make ordering food and payment easier for both students and food truck owners through this platform. While maintaining many functionalities, we would make sure that our system is easy to learn, easy to use, and easy to manage. Thus help students make better food ordering choice.

2. Features:

- **User Profiling:** There are 3 different kinds of user profiles in total: (a) admin, (b) customer, and (c) food truck owner.

    (a) admin: user id, user name, email, password

    (b) customer: user id, user name, profile picture, email, password, bank information, phone number and order history.

    (c) food truck owner: user id, food truck id(s), user name, profile picture, email, password, bank information, phone number, custom orders (ongoing or completed).

- **User Authentication and Authorization:**
    - Authentication:

        All users log in using their email address and the corresponding password.

    - Authorization:
    a) admin: has full access (viewing and editing) to the database. May view and edit all users' profiles and all food trucks' information. May add and delete users.

b) customer: view and edit his/her own profile, view and delete order history, and order from food truck
c) food truck owner: view and edit his/her profile, view and edit the information of each food truck that he/she owns, view and remove order history of their own food trucks, and take orders from customers.

- **Data:**
    a) What the data is:
        i. Admin, customer, and food truck owner profile information
        ii. Food truck information
        iii. Log of all transactions
    b) Where to store the data: MongoDB / SQL database

- **Views:**
    1) Log in / Sign up for customer and food truck owner
    2) Main view for customer: Profile information, list of food trucks / food trucks map, menu, checkout / payment, order history.
    3) Main view for food truck owner: Profile information, menu of each food truck that he / she owns, customers' orders (ongoing or completed)
    4) Main view for admin: Administrative dashboard, including user, food truck, and transaction statistics. And a graphical implementation of the database where each admin may view and edit the information stored in database.

- **Admin:**
    1) adding, updating, and deleting users and their information while a regular user cannot
    2) editing Admin (his / her own) profile
    3) viewing administrative dashboard
    4) viewing the transaction logs

- **Additional features:**

Accessibility: when food truck owners get new orders, they can choose to have the web browser read out the details of the new order. This additional feature is useful when food truck owners are too busy to look at their laptop screens.

3. A list of the user interactions

- **Admin**
  1) send out invitations for other admins to sign up / log in.
  2) send out confirmation emails if users request to change their passwords
  3) add, update, and delete users and their information
  4) view administrative dashboard
  5) view the transaction logs

- **Customers**
  1) Sign up / login / view and edit their own profiles
  2) view food trucks in a list or on map (need to pull in map data from an outside source)
  3) search for food trucks / food
  4) view the menu and food information of a food truck
  5) add food to cart and edit or delete existing items in the cart
  6) checkout
  7) set up payment method
  8) get a confirmation that the ordering was successful / receive an error message that the ordering was unsuccessful
  9) View and remove order history
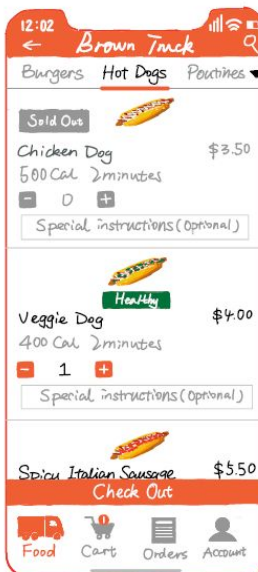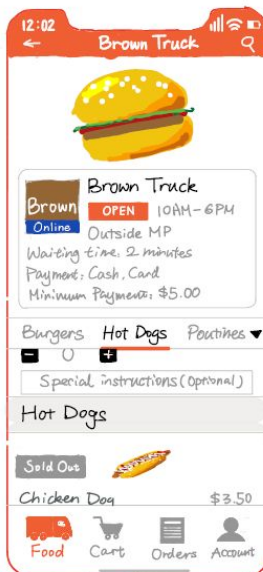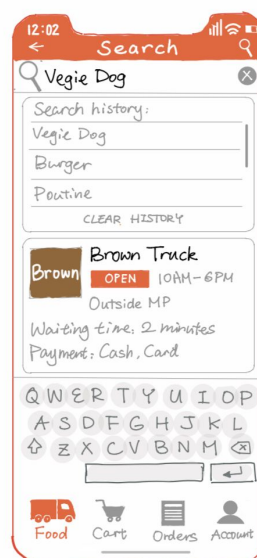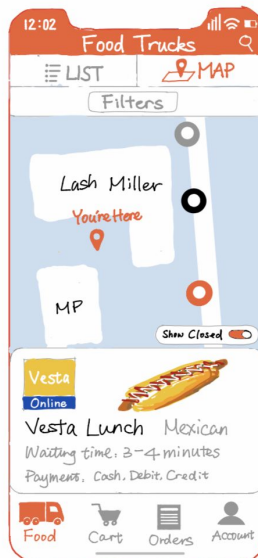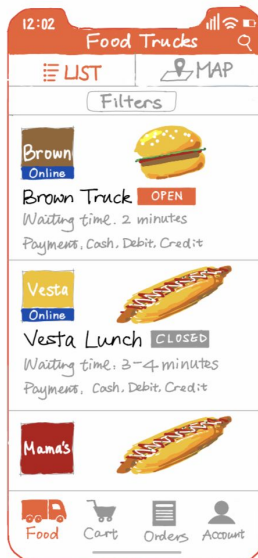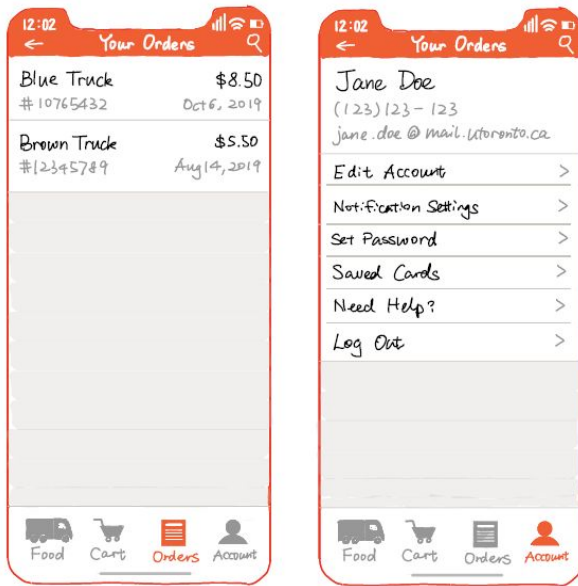
- **Vendors**
  1) Sign up / login / view and edit their own profile
  2) View and edit menu and food information of their food trucks
  3) View ongoing order details, use "voice control" function to listen to the browser reading out those details
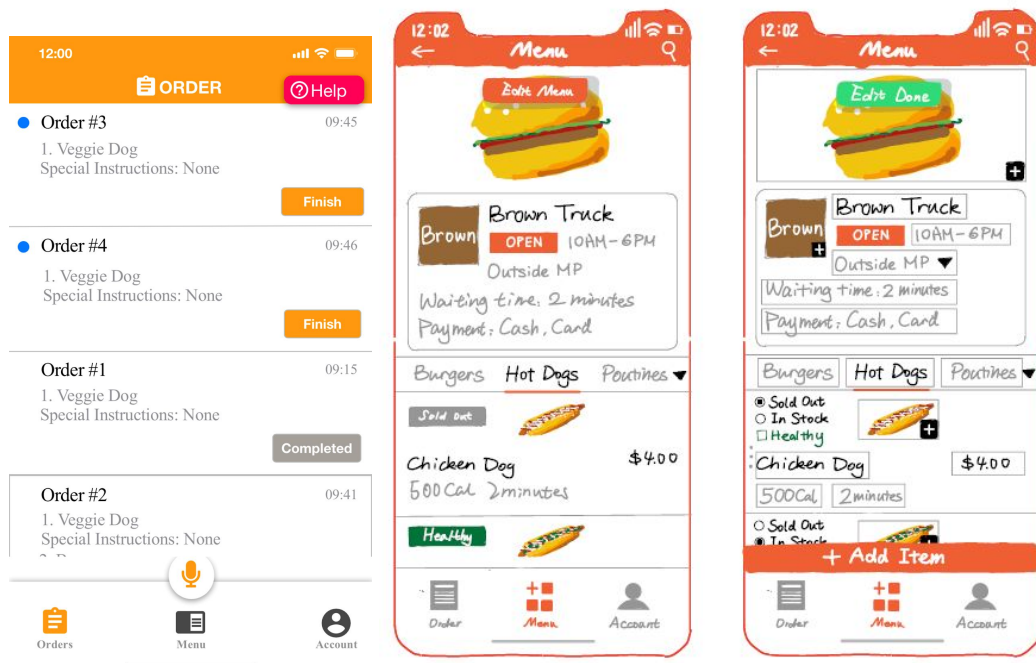 4) View and remove order history

4. Sketches of the views
(Some of them are sketches for phones, we will change them to similar website UX in the future)

Customer view
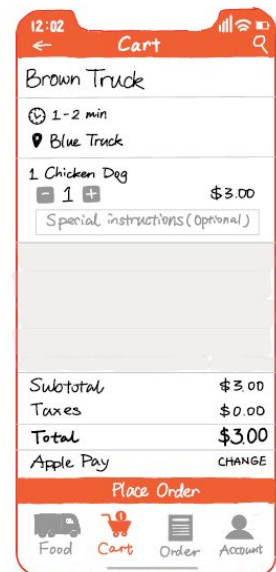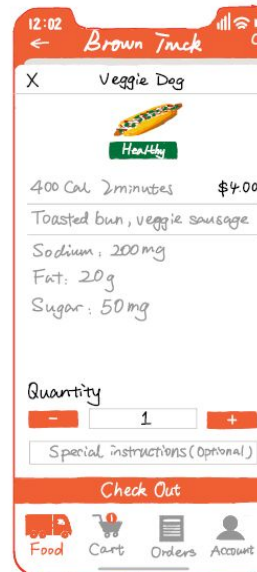
Vendor View

Admin View

Welcome! Admin Joseph.CG

Skip The Line

| Dashboard | Food Trucks | Transaction | **Profile** | Users | Logout |

Username

Email

Password

Old Email: xxxx@email.com

New Email: _____

[Confrim]   [Cancel]

Version 1.0.2