

## **CSC309 - Project Proposal**

### **Team 5**

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**What is the overall purpose of your project? Who does it serve and what benefit does it give them? Explain at a high level what users will be able to do using your website.**

Our web application provides a central platform for customers to make reservations at a restaurant and provides restaurants with an efficient way to manage and track reservations. This web application is meant to replace the outdated practise of calling to make reservations and keeping track of said reservations on a piece of paper. The application is especially beneficial to restaurants because creating a system like this one for a specific restaurant is very costly, and since this web application is easily scalable, the cost per restaurant is minimal. By enabling restaurants to manually input reservations made through other means, such as phone calls, allows for all the relevant reservation data available on one platform. The ability to accept/deny reservations saves time compared to having called the customer. Customers now have a single platform for their reservation needs, they are able to modify and track their reservation without the hassle.

**An explanation of how your website meets each of the feature specification requirements listed above (user profiles, user authentication, etc.)**

- **User Profiling**
  - 3 different profile levels:
    - Consumer/Regular User
    - Restaurant Owner
    - Admin
- **User Authentication and Authorization:**
  - Consumer/Regular User
    - Ability to modify any of their own Consumer specific information (ie. password, name, etc.)
    - Ability to view any public Restaurant specific information
    - Ability to send requests to specific Restaurants (ie. request for reservation)
  - Restaurant Owner
    - View public Consumer information in their restaurant (ie. name)
    - Modify non-static restaurant details (ie. menu, but not location)
  - Admin
    - Inherits all permissions from Restaurant Owner
    - Modify static restaurant details
    - Modify Consumer specific details
- **Data:**
  - Restaurant detailed information (ie. name, description)
    - Restaurant menus
    - Restaurants' location
  - Restaurants' current occupancy
  - User profiles
  - User specific ratings of Restaurants

- User's Restaurant history
- User order history
- **Views:**
  - Main View
    - Login/Sign up/View Restaurants
  - Area View
    - View details of restaurants in the area
  - Restaurant View
    - Book reservations
  - Restaurant Owner View
    - View/Modify Restaurant specific information
  - Admin View:
    - View/Modify high privileged information
- **Admin**
  - Be able to change the name, description, or location of a Restaurant
  - Add/Remove Restaurants from the database
  - Change profile names of Users
  - Change passwords of Users
  - Remove User ratings/reviews
  - Changing user permissions (ie. Changing a User into a Restaurant Owner)

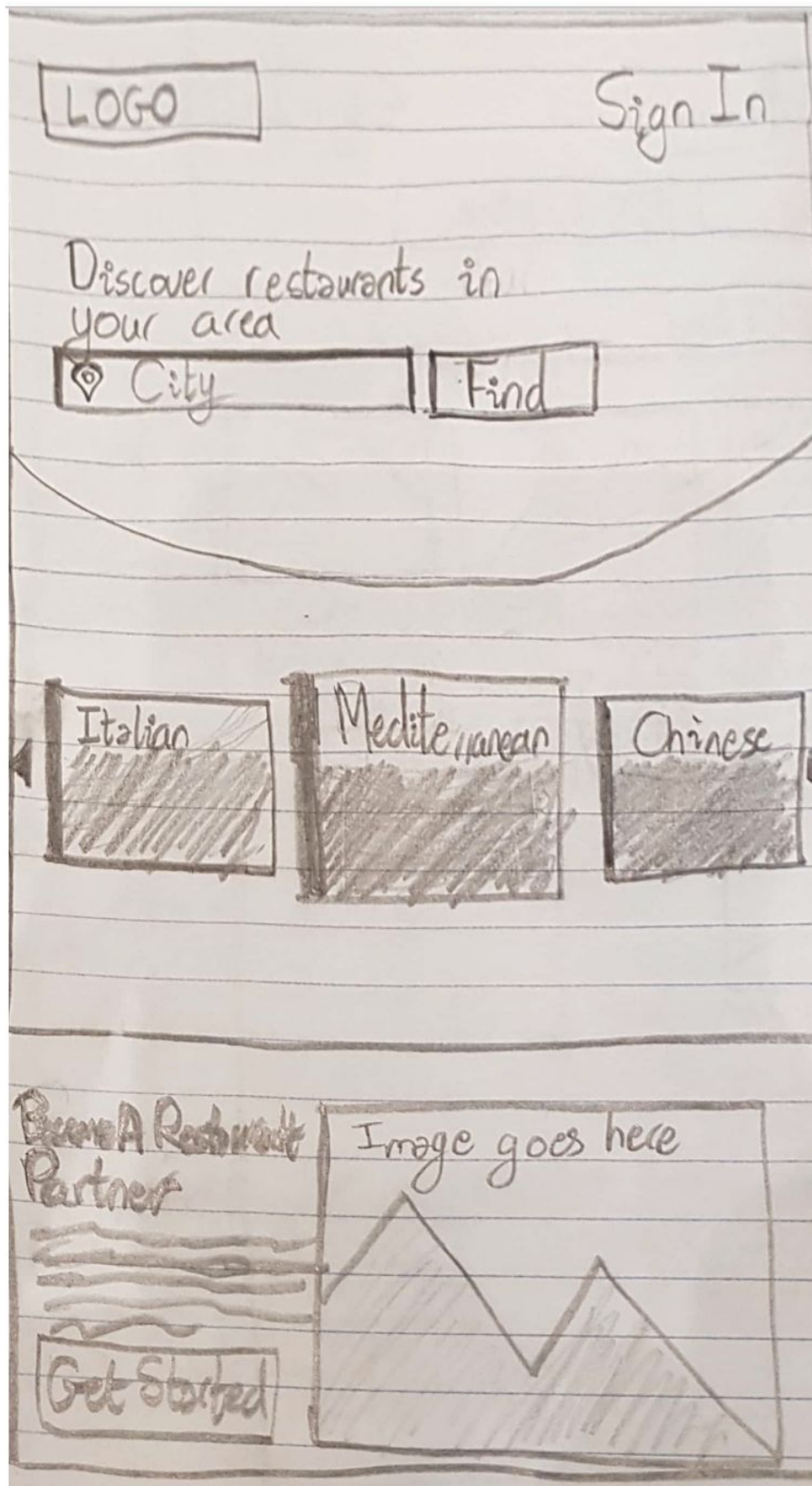
**A list of the user interactions with the website. What are all the different things a user will do when they use your web app?**

- **Consumer/Regular User**
  - A regular user can make their own profile including credit card, name, and other informations
  - A regular user can book a restaurant slot, by entering desired time, number of people, and restaurant of choice
  - A regular user can cancel a reservation
  - A regular user after visiting the restaurant can leave a review
- **Restaurant Owner**
  - A restaurant owner can create a profile for there restaurant
  - A restaurant owner can state number of reservations/max of people in the restaurant, comment on ratings, modify menu items, view the consumer profiles and modify the descriptions
  - A restaurant owner can add reservations that are done in person, or via phone to keep track on one place
- **Admin**
  - Admins can add and remove restaurants and invite new restaurant admins
  - Admins can modify their locations, remove reviews, and inherits all the characteristics of a restaurant owner.

### **When will you need to pull in data from an outside source?**

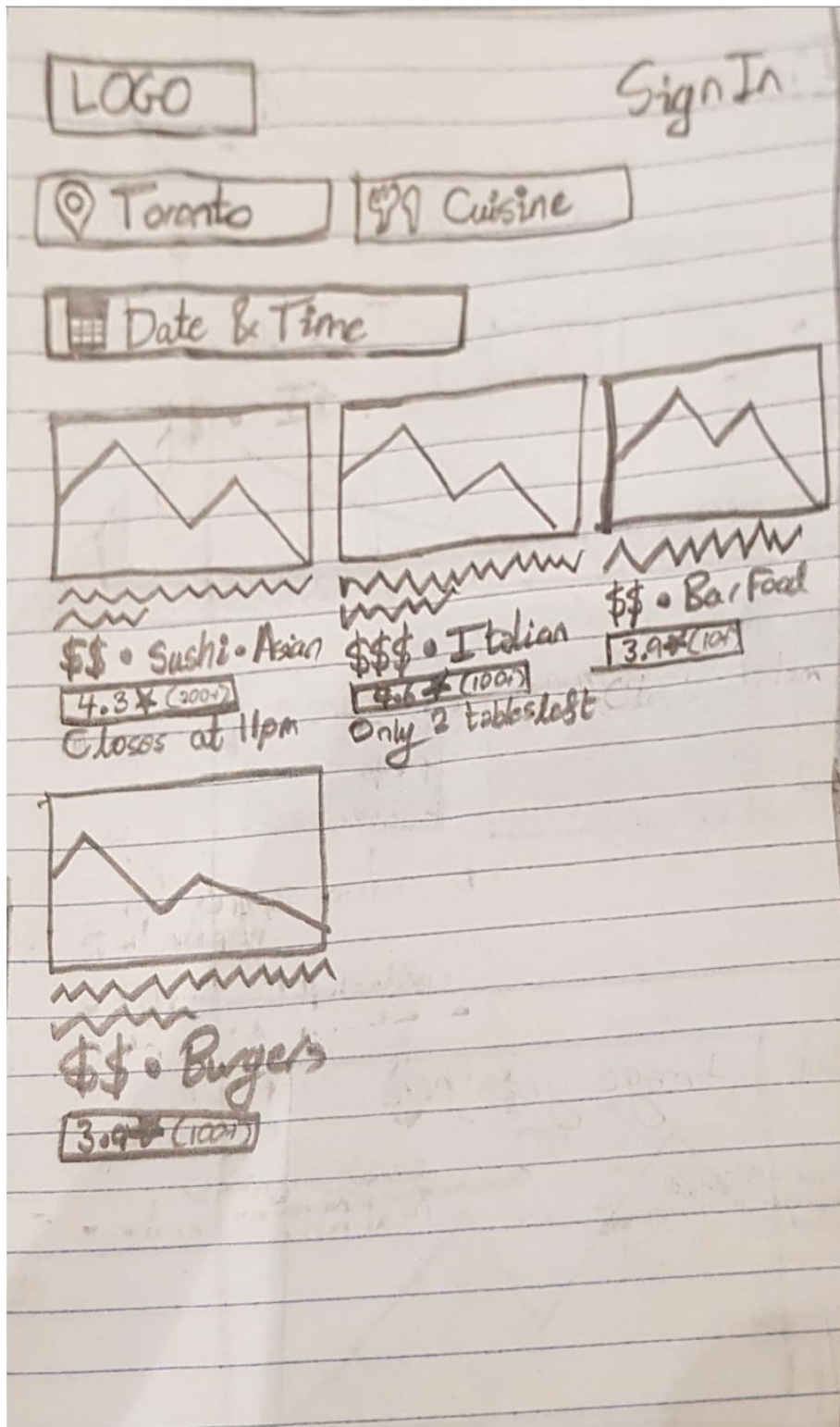
- We can pull all available restaurants and create a profile for all of them by default by using a public api list of all restaurants. And as restaurants decided to join on make bookings available through our system we can give them access to a restaurant owner user account.

Sketches of what the views will look like to the user.



This is the main page where the user can sign in, and view restaurants in the area. Restaurant owners can also sign up to become part of the system.

## Area View:



When you select on a specific area you can view the restaurants in the area. The ratings are shown, a description, the number of tables available, etc.

## Restaurant View:

Logo SignIn

\$\$\$ Italian

Book your table

Name  
Omar Chelab

Phone  
+1416 .....

Date  
YYYY/MM/DD

Time  
HH:MM AM/PM

Number of seats  
3

Book now

Pre-filled if signed in

How about a textured background for the date request?

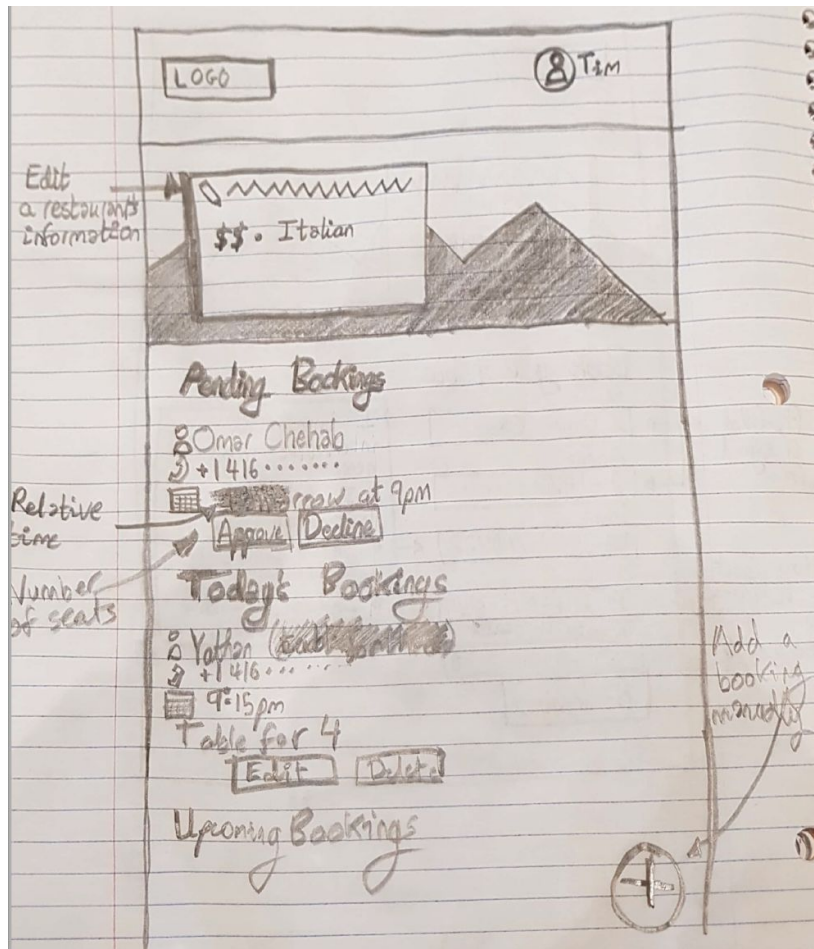
I imagine an interactive widget here:

- Shows calendar with heatmap of busy days
- Shows time slots with heatmap
- Indicates when fully booked.

On this screen you can book your table at the chosen restaurant, where you enter your information from your sign on, and the date, time and seats you would like.



## Restaurant Owner View:



On this screen restaurant owners can see all available bookings for the date.



## Admin View

The views below are for the admin user, where he can see restaurant owners and regular customers.

