Capstone 1: Food for ThoughtS

Karmen Too

What goal will your website be designed to achieve?
My website will allow small restaurant owners to access the Edamam API to analyze their recipes, compare it to the Ministry guidelines and let them know the result. They can change up the recipes until it is Ministry compliant. They will be able to submit information about their restaurant, menu, and ingredients, and the app will format their information to display to parents/schools. Parents and schools will be able to view different restaurants in a clean and formatted page, and be able to compare different restaurants side by side.

What kind of users will visit your site? In other words, what is the demographic of your users?
Restaurant owners, parents and school admin in Ontario, Canada

What data do you plan on using? You may have not picked your actual API yet, which is fine, just outline what kind of data you would like it to contain.
Using Edamam API, which takes an recipe and calculates the nutritional values

In brief, outline your approach to creating your project (knowing that you may not know everything in advance and that these details might change later). Answer questions like the ones below, but feel free to add more information:

a. What does your database schema look like?
Restaurants
- Id
- Cuisine
- Name
- Contact Name
- Phone
- Email
- Address
- City_id
- Province_id
- Able_to_provide_to_schools_id (array?)

City
- Id
- name

Provinces
- id
- name

Schools
- Id
- Name
- Address
- Active
- Potential_restaurant_id (Array)

Dishes
- Id
- Restaurant_id
- name
- Ingredients (recipe)
- Price
- Sales Pitch
- Nutrition (json returned from api)
- Related to dish_id (they may have halal, vegetarian of the same meal)

Availability (when the restaurants can provide meals)
- Id
- Restaurant_id
- Dishes_id
- Dates (array)
- Max meals

b. What kinds of issues might you run into with your API?
Over usage (more than 400 recipes a month).

Other issues: users who register may not be legitimate restaurant owners, need a way to verify. Also need to know the workflow of the current process.

c. Is there any sensitive information you need to secure?
Application key and API key

d. What functionality will your app include?
Login/logout for restaurant owners, CRUD for restaurants, CRUD for dishes, API recipe analyzer, determining if it is Ministry compliant, comparing restaurants, possibly a map to indicate schools locations, searching for restaurants (with various search criteria)

e. What will the user flow look like?
<u>Restaurant owners</u>
Restaurant owners login/create new account
Fill in restaurant information
Fill in recipe in recipe analyzer

School/Parents
Search for restaurants, using various search criteria

f. What features make your site more than CRUD? Do you have any stretch goals?
Comparing restaurants, possibly using Mapquest API to indicate schools on a map (users can zoom in and out), determining whether a dish is ministry compliant or not
Stretch goals:

1. Schools can login to create a list of potential restaurants, set potential dates parents can select
2. Parents can login and select what dates they want their child to have the lunch specified by the school.
3. Restaurants will get an order that lists what school and how many meals they serve
4. Possibly send order json to School Day (an app where parents can pay for school related items -this is where the school gets money for pizza days)
5. School/parent ratings for the restaurants
6. Ability to favorite and see a favorited list of restaurants
7. Download a pamphlet, nicely formatted to print out