Team 105-9, Crazy Idea
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Project Feature List

- Username and password-based login system
  - Lets users log into their specific account with info all their preferences and recorded data.
- View and edit user-specific data
  - Users can enter budget preferences, allergies, and locations.
- Filters
  - Some filters such as distance, price range, food.
- Restaurant Search
  - Menu listings for each restaurant with info such as price and allergy information
- From the home page, can see local specials or sales
  - Daily deals from restaurants will appear on the front page when the user logs in.
- Maps
  - Showcasing an in site maps that display the restaurant in perspective to where the user is if they entered in their location.
- Popular Restaurants
  - Highly rated restaurants that are displayed if the user doesn't enter anything in the search box.

1. Username and Login System

Functional:

As most platforms today have some sort of username system, ours will be no different since we want the ability to keep the user's preferences in the system. The system would just comprise a username and password, and from there the user will be prompt to enter in their preferences for looking for food. The following preferences should be budget, allergies, location, type of food, and time when one eats. While there are options to not opt-in, the user should see their preferences to be implemented into the filter.

Non-Functional:

The system should be able to handle a couple of hundred users and maintain their preferences. While we are aware that we might not publically launch it, we will have some security system whether it is encryption or some other method in protecting

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the user's password and username. The data should be stored in a database that is accessible to the team.

2. Search feature

Functional:

Following the majority of the foodservice industry, we want our application to have the ability to search specific restaurants if the user has one in mind, or to be able to enter in the type of food they want. For example, if a user is feeling like having tacos, they can search "Mexican" to see their local restaurants that are available in their location radius. The results that show from the search should have some showcase of the top menu items and a quick link to the restaurant's menu. The quick preview gives the user the option to be able to fully look at the pricing options and general idea of the restaurant without losing their query.

Non-Functional:

While the data is solidified yet, the query shouldn't take more than a minute. The search bar should be on the right side of the screen so that it is obvious for the user to see. The query the user enters should match either the name of the restaurant, the type of restaurant, or a possible dish from the restaurant.

3. Filters

Functional:

Like all food platforms, we want the ability for the user to customize their search so they can narrow down what they are looking for. If the user is already in the system, then their preferences should've been already placed in the filters, however, if the user is new, opted out of filling in their preferences, wants to change them, or they are new, then they should fill out the following preferences: budget range, allergies if any, type of food they want, and wait time. The enter in filters should display restaurants that meet the needs and if the user doesn't have any filters on, then the default items showed will be the specials or sales of the day.

Non-Functional:

The filter options should mostly be drop-down options that already match our data such as the type of food available in the database. The only exception should be a

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food allergy and the keyword entered in by the user should filter out the restaurants that mention said allergy. Whatever the user has stored on the preferences when prompted after signing up should automatically fill out in the filters.

4. Home Page and Specials

<u>Functional:</u>

Before the user selects a page, the default page will be showcasing the daily specials that restaurants offer or the sales that are limited time. Only a few of the dishes that are on sale should be displayed instead of the restaurant. Similar to the search feature, the user should be able to hover over the offer and see the full information before clicking on it and see the whole menu. The hovering can display a thumbnail of either the restaurant or a small picture of the meal. The overall display should be a slideshow so that the user can see the number of offers that day.

<u>Non-Functional:</u>

We have to make sure that the daily offers change throughout our database and it is not the same restaurant each day. The hover also has to be optimized so that the user can see the specific dish without clicking into the full restaurant.

5. Maps/Direction

<u>Functional:</u>

After the user has come to a decision, they should have the option to get directions that would display a small map within the site to show the location within the user. The map should be an optional view for the user and take up a small portion of the screen. The map will also be navigable so the user can see what is in the surrounding area of it.

<u>Non-Functional:</u>

The maps should be stable enough that it doesn't crash when the user opens up the restaurant for a view. The time of the maps should also be somewhat reliable since if the user has to wait too long, they will end up switching to another service to satisfy their need. We could possibly use the Google Maps API in order to have a secure service.

6. Popular Restaurants

<u>Functional:</u>

When a user doesn't have a particular idea to search, they can view the popular restaurants around them. It should display the top dishes based on reviews, and display a variety of different restaurants. While the preview system will be the same as in the search function, it should be in the order of reviews. The filter option should also be

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displayed in case the user has somewhat of an idea of what they want but not enough for a search.

Non-Functional:

The restaurants displayed should be different from the sales and specials restaurants. The filter should be able to differentiate the restaurants that are in the popular category versus the whole database. The timing of the filter in the popular tab should be roughly the same when query the database.

GitHub Repository Link:

https://github.com/nxtarch/CSCI-3308_Crazy_Idea_Software_Development_Milestones

Kaban Board Link:

https://trello.com/b/UzUKR308/csci3308-mealbot-development