

We want a web application that shows restaurants.

Users should be able to see what open restaurants are nearby (i.e., maximum radius of 1 mile from their current location) by using a map as well as an option to show restaurants nearby as a list.

Basic Requirements

The implemented system should have the following functionality

- Show open restaurants within a 1mile radius using a map view as well as a list.
- Allow the user to filter what restaurants displayed by cuisine (i.e., American, British, Chinese, Indian, Italian, etc.)
- When the user selects a particular restaurant, display:
 - How far (in yards or meters) the restaurant is from the user's current location
 - Links to online photos of the restaurant
 - Information of opening times (if applicable)
 - Average cost of a main course dish
 - Approximate walking times

These requirements should be refined into a set of deliverables. It is expected that we will deliver all basic requirements.

Assumptions

- While the application is focused on a specific city (will tell later), it should be easy to adapt for another city or location.
- The website should be optimized for mobile phones.
- The website will show at least one picture of each restaurant.

Possible Extensions

May want to consider some extensions, for example:

- Display additional information regarding allergies and dietary preferences for each restaurant (i.e., offers gluten free, offers vegan options etc.)
- Allow users to leave reviews of each restaurant and allow other users of the same application to see the reviews.
- Allow users to share where they are on various social platforms.

You can add other extensions, however please check if the proposed extensions are suitable before starting to implement them.