# FoodBook

1.   **Project description**

Foodbook is a location-based restaurant suggestion website for foodies around the world. The website targets two types of users:

* Guest User
* Registered User

A guest user can benefit from the list of recommended restaurants based on his/her geo-location or manually entered location. A guest user can also apply filters to shorten his/her search for the best places to eat. Registered users get the privileges of reviewing, commenting about the restaurants and hence contributing to the social network of foodies registered at FoodBook. A registered user can keep his/her bucket-list of restaurants and share the same with other fellow registered users. Any interested guest user can register himself by filling up a registration form and creating a user profile. Foodbook uses a reliable dataset(Yelp) for recommending restaurants and assures security of personal information of the registered user. The website is mobile-friendly and touch-responsive.

**2.   Users**

Guest User:

* User can search restaurants based on geo-location (Allow access to browser).
* User can search restaurants by manually entering location.
* User can apply cuisine filter for retrieving specific restaurants.
* User can register himself at FoodBook to create a user profile.

Registered User:

* User can perform all actions allowed for a Guest user.
* User can read/write reviews and ratings of a specific restaurant.
* User can create a bucket-list of restaurants and add restaurants to it.
* User can follow another registered user by doing User search.
* User can share the bucket-list to his/her followers.

**3.   Architecture**

**4.   Use Case analysis**

a)    User Registration

* User opens the registration page of the application
* User enters the username, password, DOB, email, preferences
* Perform validation for few user fields and display appropriate message
* User confirm the details
* User clicks on Register button
* Display successful registration message on the same page

b)   User Login

* User opens the login page
* User fills in unique username and password
* Perform validation and display appropriate messages
* User clicks on login button
* Display home page with search results for the current location

c)   User profile update

* User opens the user profile page
* User edits the different profile field except username
* User clicks on update button
* Display successful profile update message on the same page

d) User food search

* User types in keyword or location or both in respective search boxes provided in home page
* User either press enter or click on search button or presses enter key
* The home page is loaded with

e)   User review

* User clicks on a restaurant in the homepage
* User writes a review for that restaurant
* User clicks on submit button

f) User favorites a restaurant

* User clicks on a restaurant in the homepage
* User clicks on the favorite button on the details page

g) User Add friends

* User clicks on find user tab on header
* User selects a user and clicks add friend button
* The selected user shows up in friends list and gets removed from all user list

**5. Class Diagram**

**6. Wireframes**

**7. Schema**