1. **User Account Registration**
   1. User must register with an email not already in the database
   2. User must register with an email not already in the database
   3. User must register with a username not already in the database
   4. System validates that all fields are entered correctly
   5. System validates that there are no conflicts with the database
      1. System shows an invalid prompt if there are conflicts
      2. System requests user to address conflicts
2. **User Account Login**
   1. User must login with username and password
   2. System validates that all fields are entered correctly
   3. System validates that information entered matches with database
   4. System redirects user to the main page after successful validation
   5. If username entered is not in database, system will inform user that the username inputted was incorrect
   6. If username entered is in database but password entered is wrong, User is allowed a total of five tries to input the correct password
      1. System sends an email verification associated with that username after the fifth try
   7. User is able to reset their password by clicking on “Forgot your password?” button on login screen
      1. System sends an email to the user to allow them to reset their password
3. **Location Service**
   1. System must be able to gather the User’s location through their device’s location function
   2. System must allow User to input a location manually
4. **View Nearby Restaurants**
   1. System must be able to retrieve restaurant information from database provided
   2. System must be able to display restaurants in a 3 kilometre radius from the location specified by User
      1. The displayed restaurants must show their cuisine type, proximity and ratings
   3. User must be able to input a restaurants name manually to view its information
   4. The restaurants should be displayed on a map overlay, centred at the location provided by the User
   5. System must be able to filter the restaurants to display
      1. The filters are “cuisine” , “proximity” or “rating”
   6. System must be able to display a random restaurant in a 3 kilometre radius if the User selects the “random” button
      1. The random button takes in to account any filters applied on the System by the User
5. **View Specific Restaurants**
   1. User must be able to select a restaurant to view more information
      1. Information such as cuisine type, distance, rating and opening hours must be displayed
   2. User must be able to read reviews left by other users
   3. System must show available parking spaces that are at most 1 kilometre away from the restaurant
      1. System must have a filter to lower that radius up to 0.5 kilometres
   4. User must select “Get directions” to either the restaurant or the parking space selected
   5. User must be able to get directions from their current location to the restaurant or parking space selected
      1. System must redirect User to Google Maps, inputting the restaurant for the User
6. **Non-functional Requirements**
   1. The system must be able to support up to 100 concurrent users
   2. The system must take up to 3 seconds to load under normal network conditions
   3. The system must be supported by the common web-browsers used
   4. The system must scale according to the screen size of the device used by the User
   5. The database must support standard SQL/MySQL queries