

Use Case Document

As a new user, I should be able to create an account based on my role as user, food critic, restaurant owner, admin.

Use Case ID:	UC-01
Use Case Name:	Register A User
Description	Register a user and create a new login for this user on sign-up

Actors:	All Actors		
Pre- Conditions:	User does not have an account		
Post- Conditions:	User will have a new account		
Frequency of Use:	Every time a new user is added to the system		
Flow of Events:		Actor Action	System Response
	1	Select Register/Sign-up	Show the sign-up screen
	2	Enter user information, email address and select authentication using email address.	Store user information, email address.
	3		Authenticate user's email address. Notify user.
	4	User is signed-up in system	
Variations:			
Exceptions:	New account creation will fail if account already exists		
Developer Notes:			

Use Case ID:	UC-02
Use Case Name:	Login
Description	User can login into the system

Actors:	All Actors		
Pre- Conditions:	User is not logged into the system		
Post- Conditions:	User logged into the system and can see the search/list restaurants view.		
Frequency of Use:	Every time user logs into the system		
Flow of Events:		Actor Action	System Response
	1	User enters his username/email address and password	System authenticates username and password.
	2		If authentication successful, open the search /list restaurants view.
	3		If authentication not successful, throw a prompt saying password or username does not exist.
	4		Request user to re-enter username/password combination.
Variations:	3. Display option to handle case of forgot password. User selects forgot password. System requests user to enter email address for sending password reset link. User enters email address. System sends across the password reset link. User resets password through link received in email. New password recorded into system.		
Exceptions:	Block user if user enters wrong username/password combination for 3 consecutive attempts in past half an hour.		
Developer Notes:			

Use Case ID:	UC-03
Use Case Name:	Review and Rate Restaurant
Description	User or a Critic can provide a rating write a review for a restaurant

Actors:	User, Critic		
Pre- Conditions:	User or Critic should be logged in		
Post- Conditions:	The User or Critic's rating and review is added to the restaurant. The ratings and review section of the restaurant is updated.		
Frequency of Use:	Anytime of the day		
Flow of Events:		Actor Action	System Response
	1	Select a listed restaurant	Open the details page for the restaurant
	2	Select Add rating	Popup a window where user can provide ratings and review
	3	Provide a rating, write a review and click submit	The rating and review is added to the database for the restaurant.
	4		The overall rating and reviews view for the restaurant is updated
Variations:	2. If the User/Critic has already provided a rating and review, the window would allow to edit it		
Exceptions:	3. User/Critic does not provide any rating or review and clicks cancel		
Developer Notes:	The updated rating should be weighted accordingly for a user or a critic		

Use Case ID:	UC-04
Use Case Name:	Add new restaurant
Description	New restaurant information can be added to the database

Actors:	Admin, Restaurant owner		
Pre- Conditions:	A restaurant with same information(name, address, telephone number) should not exists in the database		
Post- Conditions:	A restaurant with provided information will now be added to database, available for users to review and check-in		
Frequency of Use:	Admin may use this when a new restaurant is suggested, restaurant owner wishes to add his restaurant.		
Flow of Events:		Actor Action	System Response
	1	Select add new restaurant	A form shall be presented for the actor to fill.
	2	Must fill the compulsory fields of the form	Create a new entry in the database with the information provided.
	3	Select confirm	Sections for reviews and ratings for the restaurant are created in the database
	4		A new restaurant details page for the restaurant is created
Variations:	2. If the actor does not have information for the compulsory fields in the form the new entry cannot be added.		
Exceptions:			
Developer Notes:	Verification of information provided must be done, if it is done after adding restaurant to database, the unverified restaurant must be deleted.		

Use Case ID:	UC-05
Use Case Name:	Search Restaurant/ List Restaurant
Description	Allows user to search restaurant based on keywords and applied filters

Actors:	All actors		
Pre- Conditions:	User must be logged into the system		
Post- Conditions:	User gets a list of restaurants filtered by the search settings		
Frequency of Use:	Every time any actor searches for a restaurant		
Flow of Events:		Actor Action	System Response
	1	The actor searches restaurant based on restaurant name as keyword	The system displays a list of matching restaurants
	2	Actor might narrow down the search based on filters related to location, cuisine type, cost.	The system creates a list of restaurants using the search filter
	3		The listed is sorted based on overall ratings of the restaurants in the list
	4		The list of restaurants based on the search filter is displayed
Variations:			
Exceptions:	1. No restaurant in the database matches the actor's search Systems prompts the User/Critic to suggest to add the restaurant. System prompts the Owner/Admin to add the restaurant.		
Developer Notes:			