sd Signup

User

Start Up UI | Registration UI | System | Database | Home UI | Login UI

1. Register for New Account
1.1 Registration Page

alt [Incomplete or invalid information]
1.12 promptProvideCompleteInformation
1.13 providesCompleteInformation

alt [Existing email/username]
1.12 navigateToLoginPage
1.13 Login Page

1.4 promptVerification
1.5 verifyRegistration
1.6 registerUserDetails
1.7 Confirmation
1.7 logIn and open Home Page

sd Login

User

Start Up UI

Login UI

System

Home UI

Datab...

1. Login with Existing Account

1.2 Login Page

1.3 sendLoginInformation

1.4 checkLoginInformation

1.5 verifyLoginInformation

alt [Incomplete/Invalid Information]

1.5.1 promptProvideCompleteInformation

1.5.2 provideCompleteInformation

1.6 logIn

sd Submit Ratings

Patron

Home UI

Reservation
Management
UI

Completed
Reservation

Database

Review

Restaurant

1.HomePage

1.1
ManageReservationPage

1.2
viewCompletedReservations

1.3
getCompletedReservations

sendCompletedReservations

1.4 submitRating

1.5 updateReviews

alt

1.41 submitReview

sd Booking

Patron

HomeUI

GoogleMapAPI

SearchSystem

Restaurant

BookingsUI

Database

1.HomePage

1.2 searchusingGPS

1.3 selectRestaurant

1.4 makeBooking

1.5 updatesBooking

1.2.1 returnRestaurantlist

1.1 requestGPS

1.2 returnLocation

alt

1.11searchByLocation

1.2.2 ReturnRestaurantlist

sd Profile Page

User

HomeUI

Profile Page

Profile
Details

Edit

Database

1.0 HomePage

1.1 ProfilePage

1.2 viewProfile

1.3 editProfile

1.5 updateProfileDetails

1.4 getProfileDetails

sendProfileDetails

sd SearchPage

Patron | HomeUI | GoogleMapAPI | SearchSystem

1.HomePage

1.2 searchusingGPS

1.2.1 returnRestaurantlist

1.1 requestGPS

1.12 returnLocation

alt

1.1.1 searchByLocation

1.2.2 returnRestaurantlist

RestaurantOwner

HomeUI

BookingsUI

ProfileControllerAPI

Database

1: HomePage

2: ToggleAvailabiltiy

2.1: updatesAvailability

2.1.1: sendUpdateRequest

3: reflectAvailability

2.1.2: replyUpdateRequest

RestaurantOwner

HomeUI

BookingsUI

ProfileControllerAPI

Database

2: HomePage

1: enterEstimatedWaitingTime

1.1: updateEstimatedWaitngTime

1.1.1: sendUpateRequest

3: reflectEstimatedWaitingTime

1.1.2: replyUpdateRequest

loop

[invalidateEstimatedWaitingTime]

3.1: invalidateEstimatedWaitingTime

3.2: updateEstimatedWaitngTime

3.2.1: sendUpateRequest

3.1.1: validateEstimatedWaitingTime

4: reflectEstimatedWaitingTime

3.2.2: replyUpdateRequest