**Use case document:**

Use case document – End User gets restaurant recommendations and seat reservation options

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| Use case ID: | UC-002 |
| Use case Name: | Get restaurant recommendations and make a reservation |
| Description: | End User gets a list of restaurant recommendations. Recommendations are based on the his/her history of reviews and preference of cuisines and/or by setting filters. User reserves a time slot in the selected restaurant. Host is notified of the reservation by the system. |

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| Actors | End user |
| Pre-conditions: | End user is logged in into the system |
| Post-conditions: | End user has a list of recommendations to select from and gets a reservation. |
| Frequency of use: | Whenever the end user requests a new recommendation and reservation. |
| Flow of events: | |  |  |  | | --- | --- | --- | |  | Actor Action | System Response | | 1. | User sets the filter for type of cuisine, services, price range, payment type , meal type and dietary restriction. | System captures all the filter values. | | 2. |  | System fetches old feedback given by the user from database. | | 3. |  | System fetches feedback for restaurants from the database. | | 4. |  | System generates recommendation from the fetched data using the filters set. | | 5. |  | System displays the list of recommendations. | | 6. | User selects a restaurant of his choice to make reservation. | System fetches available times slots. | | 7. | User selects one of the time slots |  | | 8. | User makes reservation for the selected time slot by clicking “make reservation” | System updates the database with the reservation details - Username, user contact number and timeslot. | | 9. |  | System notifies the Host about the booking. | | 10. |  | System notifies user that the booking is done. | |
| Variations: | 1. User does not set any filters and uses default values. 2. User does not like the recommendation list and changes the filters.   6. No time slot available for the selected restaurant.   1. User does not make a reservation. |
| Exceptions: | Error message: System cannot generate recommendations from set preferences. |
| Developer Notes: |  |