

Book_My_Spot

Brief Introduction

Book_My_Spot is a convenient nearby restaurant match and book platform. After users inputting their location, preferred cuisine type, and check in time, *Book_My_Spot* will list all matched restaurants nearby with details of the recommended restaurants including map link and review, and will help the customer to book the table and time slot they want to go.

Packages and Fuctions

- Package : **Book_My_Spot**; helps to suggest list of restaurants with reviews for users according to their personal preference and book their spot for a particular slot. It also records the feedback from the user for the selected restaurant.
 - Sub Package 1 : **Data** : in charge of gathering data from the user and fetching and updating database according to user requirements.
 - * Module 1 : **CustomerInteractions** : Interacts with user and record their response
 - Function 1: **record()**: records all the inputs (location, cuisine, checkin) from the user.
 - Function 2: **location()**: inputs the preferred restaurant location from the user
 - Function 3: **cuisine()**: inputs the preferred cuisine that the user want to have
 - Function 4: **checkin()**: inputs the expected arrival time of the user
 - Function 5: **askFeedback()**: records the restaurant feedback from user on scale of 1-5.
 - * Module 2 : **database** : Extract and update data on database
 - Function 1: **restInfo()** : fetch the restaurant details according the user location, cuisine, checkin time preference
 - Function 2: **tableInfo()** : fetch the table details available for the selected restaurant
 - Function 3: **UpdateBooking()**: Update the booking status of table once it is booked.
 - Function 4: **UpdateFeedback()**: Update the existing star rating for the selected restaurant given by the user.
 - Sub Package 2: **Booking**; Book the restaurant and reserve table as per the user's choice
 - * Module 1 : **Restaurant** : Helps to search and book the restaurant
 - Function 1: **searchRes()**: fetches the details of all the restaurant as per the location, cuisine and expected time of arrival
 - Function 2: **displayRes()**: displays the list of restaurants for the user along with the reviews given by other users.
 - Function 3: **selectRes()**: helps user to pick a particular restaurant from the list and proceed with booking user's spot if he/she agrees.
 - * Module 2 : **Table** : Helps to find and pick table of user's choice.
 - Function 1: **searchTable()**: fetches the available table for the selected restaurant from the database
 - Function 2: **selectTable()**: helps user to select available table for the selected restaurant. It also provides the maps link to help user find their way.
 - Function 3: **rating()**: At last feedback from the user will be recorded and the response will be send to database module for it to be recorded for future purpose.