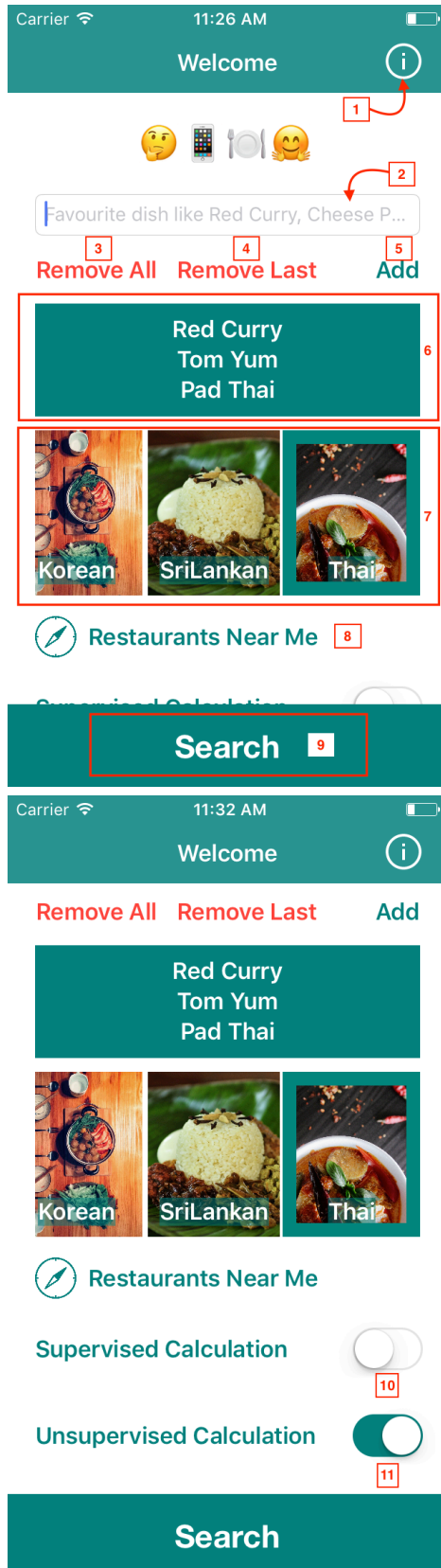


# User Manual of the Prototype



## Initial Search Screen (A)

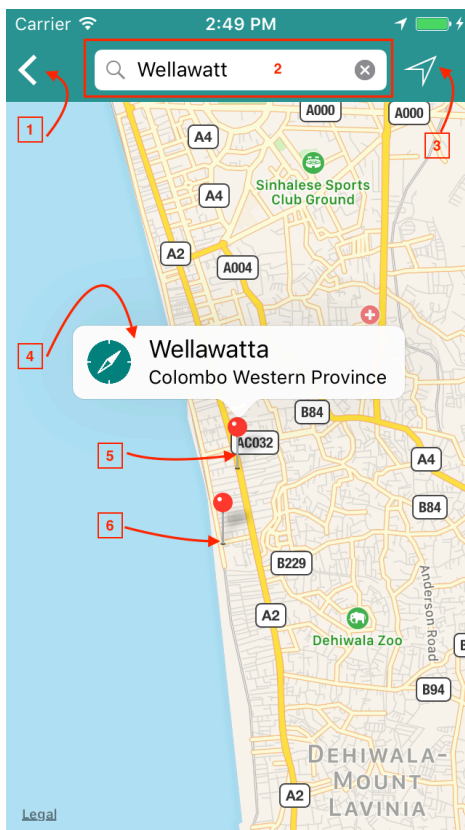
This screen allows user to input his/her interested preferences in restaurant reviews and to customize the search by providing preferred dish(s), cuisine and location.

1. **Info Button** – This button presents the user manual of the app which includes all the necessary instructions in using the app.
2. **Dish Input Text Field** – This text field allows user to enter specific meal or dish he/she preferred. Once user enters a dish name, user has to tap *Add* (5) button to add the entered dish item into the *Dish List Text View* (6) below.
3. **Remove All Button** – This button removes all the added dish items from the *Dish List Text View* (6) below.
4. **Remove Last Button** – This button removes only the lastly added dish item from the *Dish List Text View* (6) below.
5. **Add Button** – This button adds the entered dish item in *Dish Input Text Field* (2) into the *Dish List Text View* (6) below.
6. **Dish List Text View** - This vertically scrollable text view allows user to refer his/her custom made dish list.
7. **Cuisine Collection View** - This horizontally scrollable collection view allows user to input his/her preferred cuisine type by tapping any cuisine cell. Once a specific cuisine cell is tapped it will be highlighted to indicate its selected state to the user.
8. **Set Location View Button** - This button navigates user to *Set Location View* (B) where he/she can set a custom location to conduct the search. User's

current location is picked by default and it is indicated by the non highlighted compass

icon. If the user sets a custom location, compass icon will be highlighted and the custom location will be displayed next to that.

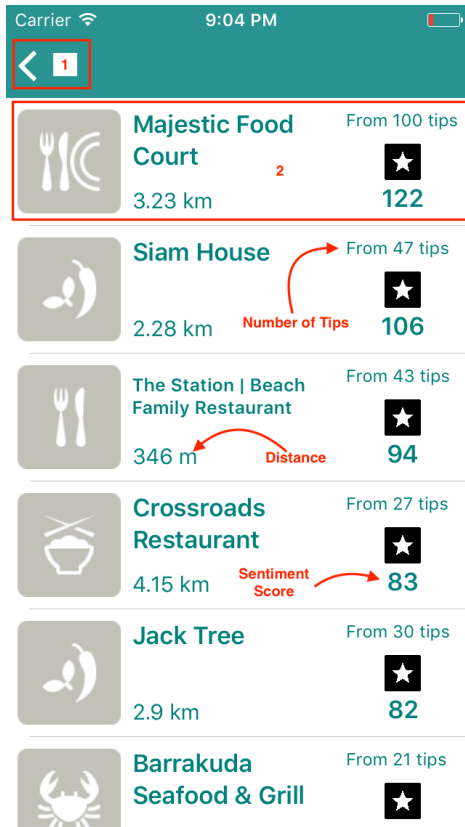
9. **Search Button** – This button triggers the search based entered and validated user preferences.
10. **Supervised Calculation Switch** – This switch conducts the search and analysis based on supervised opinion mining techniques.
11. **Unsupervised Calculation Switch** – This switch conducts the search and analysis based on unsupervised opinion mining techniques. (Default Selection).



### Set Location Screen (B)

This screen allows user to expand his/her search from current location where he/she can set a custom location and look for restaurants near by that location. User can either search for a location from top *Search Bar (2)* or drop a pin on map view by longer press. This map view supports typical map view gestures such as drag, pinch and pan. Furthermore, whenever custom location is selected pin will be added to the map focusing the selected location.

1. **Back Button** – This button navigates user back to the *Initial Search Screen (A)*.
2. **Search Bar** – This search bar allows user to enter custom location he/she looking for and it will suggest probable locations while entering. User can pick a custom location from those suggestion results.
3. **Current Location Button** – This button takes user to his/her current location on map view, in case it wanted to be set back.
4. **Location Info Popup** – This popup shows the location info related to the added pin on map view and location can be set for the search by tapping this popup.
5. **Custom Location Pin** – This pin shows the custom location pinned on the map view and *Location Info Popup (4)* could be viewed by tapping the pin.
6. **Current Location Pin** – This pin shows the current location pinned on the map view and *Location Info Popup (4)* could be viewed by tapping the pin.



## Search Results Screen (C)

This screen presents the search results to the user. Each cell in this vertically scrollable table view represents a restaurant and it specifies restaurant's name, distance from searched location, category icon, number of tips analysed and total sentiment score. Table view is scrollable and single tap on a specific cell takes user to Individual Restaurant Analysis Screen (D) of relevant restaurant.

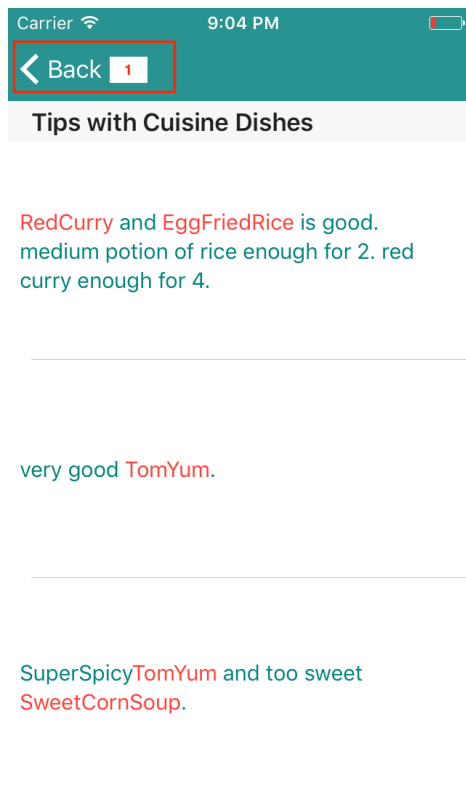
1. **Back Button** – This button navigates user back to the *Initial Search Screen (A)* for a new search.
2. **Table View Cell** – Single tap on a specific cell takes user to the Individual Restaurant Analysis Screen (D) of respective restaurant.



## Individual Restaurant Analysis Screen (D)

This screen presents the opinion summary of the selected restaurant. It includes information such as restaurant address, cloud tag which holds most popular aspects discussed at the venue, best & worst tips based on calculated tip sentiment, user or dish aspects found in tips and general aspect analysis.

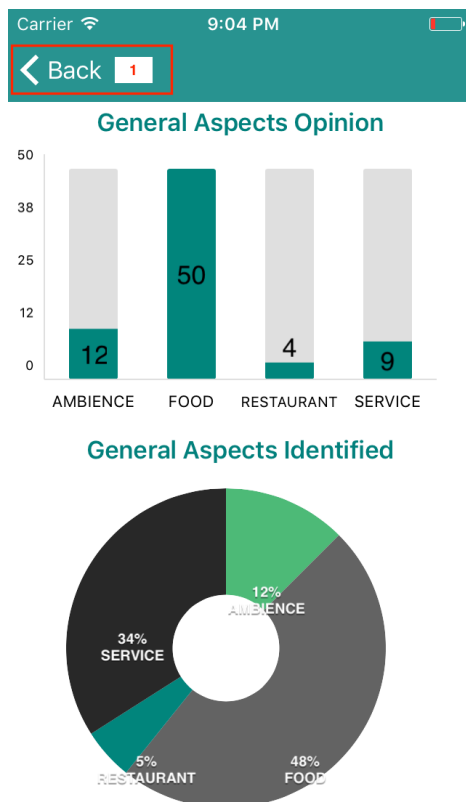
1. **Back Button** – This button navigates user back to the *Search Results Screen (C)*.
2. **Dish Aspects Button** – This button presents the Dish Aspects Analysis Screen (E) of respective restaurant.
3. **General Aspects Button** – This button presents the General Aspects Analysis Screen (F) of respective restaurant.



## Dish Aspects Restaurant Analysis Screen (E)

This screen presents the tips which includes opinions about the user preferred dishes or cuisine related dishes.

1. **Back Button** – This button navigates user back to the Individual Restaurant Analysis Screen (D) of respective restaurant.



## General Aspects Analysis Screen (F)

This screen presents the analysis of general aspects discussed at the venue. Top bar chart depicts the sentiment score variance of identified aspect with respective to the categories such as Ambiance, Food, Restaurant (Miscellaneous) and Service. Bottom pie chart depicts the distribution of those identified aspects as a percentage to the respective category.

1. **Back Button** – This button navigates user back to the Individual Restaurant Analysis Screen (D) of respective restaurant.