

Report

Team

Application : **Restaurant Rating Application**

Youtube Link : https://youtu.be/gE8pa0Prq_w

Github : [GitHub - Wind-Storm-X/CSE-412-Project](#)

User Manual For Restaurant Rating Application

There are 2 parts of main functions.

1. Searching a restaurant function
 - a. Users can search for a restaurant by several conditions.
 - Restaurant Name
 - Restaurant Address
 - Food Type
 - Average Rating
 - Average Cost
 - Food Name
 - b. Users also can search for restaurants with more than one condition.
 - c. Users can search for restaurants with keywords instead of the full name of the restaurant food.
 - d. After users type information on the section that they want to search with, click the 'Search a restaurant' button.
 - e. Users have to enter their phone number when searching if they want to rate a restaurant.
2. Rating a restaurant function
 - a. Users have to select a restaurant.
 - b. Users select a score in order to rate a restaurant.
 - Scale : (Poor) 1 - 5 (Wonderful)
 - c. Users click the 'Submit Review' button.
 - d. If a user rates a restaurant multiple times, the latest record will be used to calculate the average rating of the restaurant and older records will be deleted.
 - e. The new user's phone number will be added to the users list when they rate a restaurant.

Screenshots For User Manual

Note : Run the program from Project.java file.

< The searching part >

- Search by using single condition:
- > Search with Restaurant Name

The screenshot shows a window titled "Restaurant Search & Review Apps" with two tabs: "Restaurant Search" and "Restaurant Review". The "Restaurant Search" tab is active. On the left, under the heading "Restaurant found", there are input fields for "Restaurant Name" (containing "McDonald"), "Address", "Food Type", "Rating greater than", "Cost lower than", "Food Name", and "Phone Number". A "Search a Restaurant" button is at the bottom. On the right, the search results for McDonald are displayed, including the restaurant name, address, customer rating, number of reviews, average cost, and a list of menu items with prices.

Restaurant Name:	McDonald
Restaurant Address:	1205 S Rural Rd, Tempe
Customer Rating:	4.11
Number of Reviews:	14
Average Cost:	10.00
Burger:	
Big Mac, price:	\$6.29
Cheeseburger, price:	\$2.49
Sandwich:	
Filet O Fish, price:	\$5.59
Chicken:	
4 Piece McNuggets, price:	\$3.19
6 Piece McNuggets, price:	\$4.99
Beverage:	
Medium Hi-C Orange, price:	\$1.0
Medium Coke, price:	\$1.0

- > Search with Restaurant Address

The screenshot shows the same window as the previous one, but with the "Address" field filled with "1205 S Rural Rd, Tempe". The search results on the right are identical to the previous screenshot, showing details for McDonald.

Restaurant Name:	McDonald
Restaurant Address:	1205 S Rural Rd, Tempe
Customer Rating:	4.11
Number of Reviews:	14
Average Cost:	10.00
Burger:	
Big Mac, price:	\$6.29
Cheeseburger, price:	\$2.49
Sandwich:	
Filet O Fish, price:	\$5.59
Chicken:	
4 Piece McNuggets, price:	\$3.19
6 Piece McNuggets, price:	\$4.99
Beverage:	
Medium Hi-C Orange, price:	\$1.0
Medium Coke, price:	\$1.0

-> Search with Food Type

The screenshot shows a web application titled "Restaurant Search & Review Apps". It has two tabs: "Restaurant Search" (active) and "Restaurant Review". The search results are displayed under the heading "Restaurant found". The search criteria are: Restaurant Name (empty), Address (empty), Food Type (Sandwich), Rating greater than (empty), Cost lower than (empty), Food Name (empty), and Phone Number (empty). The results list the following items:

- Sandwich:
 - Filet O Fish, price: \$5.59
- Chicken:
 - 4 Piece McNuggets, price: \$3.19
 - 6 Piece McNuggets, price: \$4.99
- Beverage:
 - Medium Hi-C Orange, price: \$1.0
 - Medium Coke, price: \$1.0

Below the items, a dashed line separates the menu from the restaurant details. The details are:

- Restaurant Name: Shawarma Paradise
- Restaurant Address: 1045 E Lemon St, Tempe
- Customer Rating: 4.26
- Number of Reviews: 9
- Average Cost: 10.00

At the bottom, another menu item is listed:

- Sandwich:
 - Chicken Shawarma Sandwich, price: \$5.99

-> Search with average rating of a restaurant

The screenshot shows the same web application. The search criteria are: Restaurant Name (empty), Address (empty), Food Type (empty), Rating greater than (4.2), Cost lower than (empty), Food Name (empty), and Phone Number (empty). The results list the following restaurant details:

- Restaurant Name: Thai Basil
- Restaurant Address: 1111 S Rural Rd, Tempe
- Customer Rating: 4.51
- Number of Reviews: 9
- Average Cost: 20.00

Below the details, the menu items are listed:

- Noodle:
 - Pad Thai, price: \$16.95
 - Chow Mein, price: \$16.95
 - Spicy Noodles, price: \$16.95
 - Drunken Noodles, price: \$16.95
- Rice:
 - Thai Fried Rice, price: \$16.95
 - Spicy Fried Rice, price: \$16.95
 - Pineapple Fried Rice, price: \$16.95
- Curry:
 - Red Curry, price: \$16.95
 - Green Curry, price: \$16.95
 - Yellow Curry, price: \$16.95

-> Search with average cost of food

The screenshot shows a web application titled "Restaurant Search & Review Apps". It has two tabs: "Restaurant Search" (active) and "Restaurant Review". The search form on the left includes fields for Restaurant Name, Address, Food Type, Rating greater than, Cost lower than (set to 15), Food Name, and Phone Number. A "Search a Restaurant" button is at the bottom. The results on the right show details for McDonald's, including its address, rating, number of reviews, and average cost. A menu is listed with prices for burgers, sandwiches, chicken, and beverages.

Field	Value
Restaurant Name	McDonald
Restaurant Address	1205 S Rural Rd, Tempe
Customer Rating	4.11
Number of Reviews	14
Average Cost	10.00

Burger:
Big Mac, price: \$6.29
Cheeseburger, price: \$2.49

Sandwich:
Filet O Fish, price: \$5.59

Chicken:
4 Piece McNuggets, price: \$3.19
6 Piece McNuggets, price: \$4.99

Beverage:
Medium Hi-C Orange, price: \$1.0
Medium Coke, price: \$1.0

-> Search with Food Name

The screenshot shows the same web application, but the search results are for Thai Basil. The "Food Name" field in the search form is filled with "Pad Thai". The results on the right show details for Thai Basil, including its address, rating, number of reviews, and average cost. A menu is listed with prices for noodles, rice, and curry.

Field	Value
Restaurant Name	Thai Basil
Restaurant Address	1111 S Rural Rd, Tempe
Customer Rating	4.51
Number of Reviews	9
Average Cost	20.00

Noodle:
Pad Thai, price: \$16.95
Chow Mein, price: \$16.95
Spicy Noodles, price: \$16.95
Drunken Noodles, price: \$16.95

Rice:
Thai Fried Rice, price: \$16.95
Spicy Fried Rice, price: \$16.95
Pineapple Fried Rice, price: \$16.95

Curry:
Red Curry, price: \$16.95
Green Curry, price: \$16.95
Yellow Curry, price: \$16.95

- Search by using keywords:
- > Search with name of a restaurant

The screenshot shows a web application window titled "Restaurant Search & Review Apps". It has two tabs: "Restaurant Search" (active) and "Restaurant Review". On the left, under the heading "Restaurant found", there are input fields for "Restaurant Name" (containing "Mc"), "Address", "Food Type", "Rating greater than", "Cost lower than", "Food Name", and "Phone Number". A "Search a Restaurant" button is at the bottom. On the right, the search results for McDonald's are displayed, including the restaurant name, address, rating, number of reviews, average cost, and a list of menu items with prices.

Restaurant Name	Restaurant Address	Customer Rating	Number of Reviews	Average Cost
McDonald	1205 S Rural Rd, Tempe	4.11	14	10.00

Menu items and prices:

- Burger:
 - Big Mac, price: \$6.29
 - Cheeseburger, price: \$2.49
- Sandwich:
 - Filet O Fish, price: \$5.59
- Chicken:
 - 4 Piece McNuggets, price: \$3.19
 - 6 Piece McNuggets, price: \$4.99
- Beverage:
 - Medium Hi-C Orange, price: \$1.0
 - Medium Coke, price: \$1.0

- > Search with name of food name

The screenshot shows the same web application window, but now the "Food Name" field is filled with "Thai". The search results are for Thai Basil, including the restaurant name, address, rating, number of reviews, average cost, and a list of menu items with prices.

Restaurant Name	Restaurant Address	Customer Rating	Number of Reviews	Average Cost
Thai Basil	1111 S Rural Rd, Tempe	4.51	9	20.00

Menu items and prices:

- Noodle:
 - Pad Thai, price: \$16.95
 - Chow Mein, price: \$16.95
 - Spicy Noodles, price: \$16.95
 - Drunken Noodles, price: \$16.95
- Rice:
 - Thai Fried Rice, price: \$16.95
 - Spicy Fried Rice, price: \$16.95
 - Pineapple Fried Rice, price: \$16.95
- Curry:
 - Red Curry, price: \$16.95
 - Green Curry, price: \$16.95
 - Yellow Curry, price: \$16.95

- Search by using multiple conditions:

Restaurant Search & Review Apps

Restaurant Search × Restaurant Review

Restaurant found

Restaurant Name:

Address:

Food Type:

Rating greater than:

Cost lower than:

Food Name:

Phone Number:

Restaurant Name: Shawarma Paradise
 Restaurant Address: 1045 E Lemon St, Tempe
 Customer Rating: 4.26
 Number of Reviews: 9
 Average Cost: 10.00

Sandwich:
 Chicken Shawarma Sandwich, price: \$5.99
 Beef Shawarma Sandwich, price: \$6.49

Platter:
 Chicken Shawarma Platter, price: \$9.49
 Beef Shawarma Platter, price: \$9.99

< Rating >

-> Before rating :

- Type information in one of the following conditions you want to search and your phone number.

Restaurant Search & Review Apps

Restaurant Search × Restaurant Review

Restaurant found

Restaurant Name:

Address:

Food Type:

Rating greater than:

Cost lower than:

Food Name:

Phone Number:

Restaurant Name: McDonald
 Restaurant Address: 1205 S Rural Rd, Tempe
 Customer Rating: 4.11
 Number of Reviews: 14
 Average Cost: 10.00

Burger:
 Big Mac, price: \$6.29
 Cheeseburger, price: \$2.49

Sandwich:
 Filet O Fish, price: \$5.59

Chicken:
 4 Piece McNuggets, price: \$3.19
 6 Piece McNuggets, price: \$4.99

Beverage:
 Medium Hi-C Orange, price: \$1.0
 Medium Coke, price: \$1.0

- Go to 'Restaurant Review' tap, click restaurant and score, and click 'Submit Review' button.

Restaurant Search & Review Apps

Restaurant Search | Restaurant Review X

Restaurant Name: McDonald
 Restaurant Address: 1205 S Rural Rd, Tempe
 Customer Rating: 4.11
 Number of Reviews: 14
 Average Cost: 10.00

Burger:
 Big Mac, price: \$6.29
 Cheeseburger, price: \$2.49

Sandwich:
 Filet O Fish, price: \$5.59

Chicken:
 4 Piece McNuggets, price: \$3.19
 6 Piece McNuggets, price: \$4.99

☐ 1 Poor ☐ 2 Fair ☐ 3 Average ☐ 4 Good ☐ 5 Wonderful

-> After rating: 'Number of Review' and 'Customer Rating' are increased by 1.

Restaurant Search & Review Apps

Restaurant Search | Restaurant Review X

Restaurant Name: McDonald
 Restaurant Address: 1205 S Rural Rd, Tempe
 Customer Rating: 4.17
 Number of Reviews: 15
 Average Cost: 10.00

Burger:
 Big Mac, price: \$6.29
 Cheeseburger, price: \$2.49

Sandwich:
 Filet O Fish, price: \$5.59

Chicken:
 4 Piece McNuggets, price: \$3.19
 6 Piece McNuggets, price: \$4.99

☐ 1 Poor ☐ 2 Fair ☐ 3 Average ☐ 4 Good ☒ 5 Wonderful

Some defects: Information on the search pane doesn't change after rating, it only updates after a search operation.

