

# Report

Team

Application : **Restaurant Rating Application**

Youtube Link : [https://youtu.be/gE8pa0Prq\\_w](https://youtu.be/gE8pa0Prq_w)

Github : <https://github.com/gahyun8876/CSE412>

## 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 form on the left includes fields for Restaurant Name, Address, Food Type (set to "Sandwich"), Rating greater than, Cost lower than, Food Name, and Phone Number. A "Search a Restaurant" button is at the bottom. The results on the right show a list of menu items: Sandwich (Filet O Fish, \$5.59), Chicken (4 Piece McNuggets, \$3.19; 6 Piece McNuggets, \$4.99), and Beverage (Medium Hi-C Orange, \$1.0; Medium Coke, \$1.0). Below a dashed line, restaurant details for "Shawarma Paradise" are listed: Address (1045 E Lemon St, Tempe), Customer Rating (4.26), Number of Reviews (9), and Average Cost (10.00). Another menu item, "Chicken Shawarma Sandwich, price: \$5.99", is shown at the bottom.

Restaurant Search × Restaurant Review

**Restaurant found**

Restaurant Name

Address

Food Type

Rating greater than

Cost lower than

Food Name

Phone Number

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

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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

-> Search with average rating of a restaurant

The screenshot shows the same web application. The search form on the left has the "Rating greater than" field set to "4.2". The results on the right show restaurant details for "Thai Basil": Address (1111 S Rural Rd, Tempe), Customer Rating (4.51), Number of Reviews (9), and Average Cost (20.00). Below this, menu items are listed under three categories: Noodle (Pad Thai, Chow Mein, Spicy Noodles, and Drunken Noodles, all at \$16.95), Rice (Thai Fried Rice, Spicy Fried Rice, and Pineapple Fried Rice, all at \$16.95), and Curry (Red Curry, Green Curry, and Yellow Curry, all at \$16.95).

Restaurant Search × Restaurant Review

**Restaurant found**

Restaurant Name

Address

Food Type

Rating greater than

Cost lower than

Food Name

Phone Number

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 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, and a list of menu items with prices.

**Restaurant found**

Restaurant Name:

Address:

Food Type:

Rating greater than:

Cost lower than:

Food Name:

Phone Number:

[Search a Restaurant](#)

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, and a list of menu items with prices.

**Restaurant found**

Restaurant Name:

Address:

Food Type:

Rating greater than:

Cost lower than:

Food Name:

Phone Number:

[Search a Restaurant](#)

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 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, Food Name, and Phone Number. The "Restaurant Name" field contains the text "Mc". Below the form is a "Search a Restaurant" button. The results on the right, under the heading "Restaurant found", display details for McDonald's: Restaurant Name: McDonald, Restaurant Address: 1205 S Rural Rd, Tempe, Customer Rating: 4.11, Number of Reviews: 14, and Average Cost: 10.00. Below this, menu items are listed: Burger (Big Mac at \$6.29, Cheeseburger at \$2.49), Sandwich (Filet O Fish at \$5.59), Chicken (4 Piece McNuggets at \$3.19, 6 Piece McNuggets at \$4.99), and Beverage (Medium Hi-C Orange at \$1.0, Medium Coke at \$1.0).

- > Search with name of food name

The screenshot shows the same web application, but the "Restaurant Name" field is empty and the "Food Name" field contains the text "Thai". The results on the right, under the heading "Restaurant found", display details for Thai Basil: Restaurant Name: Thai Basil, Restaurant Address: 1111 S Rural Rd, Tempe, Customer Rating: 4.51, Number of Reviews: 9, and Average Cost: 20.00. Below this, menu items are listed: Noodle (Pad Thai at \$16.95, Chow Mein at \$16.95, Spicy Noodles at \$16.95, Drunken Noodles at \$16.95), Rice (Thai Fried Rice at \$16.95, Spicy Fried Rice at \$16.95, Pineapple Fried Rice at \$16.95), and Curry (Red Curry at \$16.95, Green Curry at \$16.95, Yellow Curry at \$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

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## < 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

Submit Review

-> 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

Submit Review

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

