

Project Final Report

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Application: **Restaurant Rating Application**

Video Demonstration Link : https://youtu.be/gE8pa0Prq_w

Code and database dump: <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.

< Searching >

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

Restaurant Search ×

Restaurant Review

Restaurant found

Restaurant Name

Address

Food Type

Sandwich

Rating greater than

Cost lower than

Food Name

Phone Number

Search a Restaurant

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

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

Restaurant Search ×

Restaurant Review

Restaurant found

Restaurant Name

Address

Food Type

Rating greater than

4.2

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 with average cost of food

Restaurant Search X

Restaurant Review

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

Restaurant Search X

Restaurant Review

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 "Mc". A "Search a Restaurant" button is at the bottom. On the right, the results for "McDonald" are displayed, including its address, rating, number of reviews, average cost, 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 name of food name

The screenshot shows the same web application as before, but with the "Food Name" field set to "Thai". The results on the right now list menu items categorized by food type: Noodle, Rice, and Curry.

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 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' page, select 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' is increased by 1 and 'Customer Rating' is recalculated.

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