

Restaurant Command Line



Select an option:

1. Search by
2. Order by
3. Insert/Delete/Update Review
4. Compare by
5. Create Basket
6. Compare number of Restaurants
7. Menu Size Filter
- e. Exit

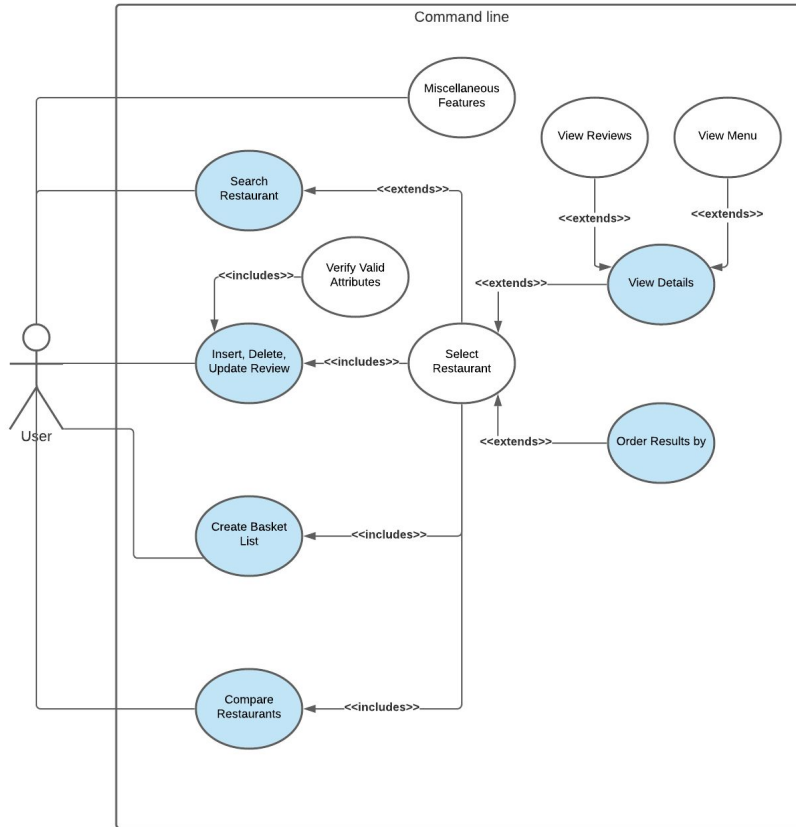
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Systems Description

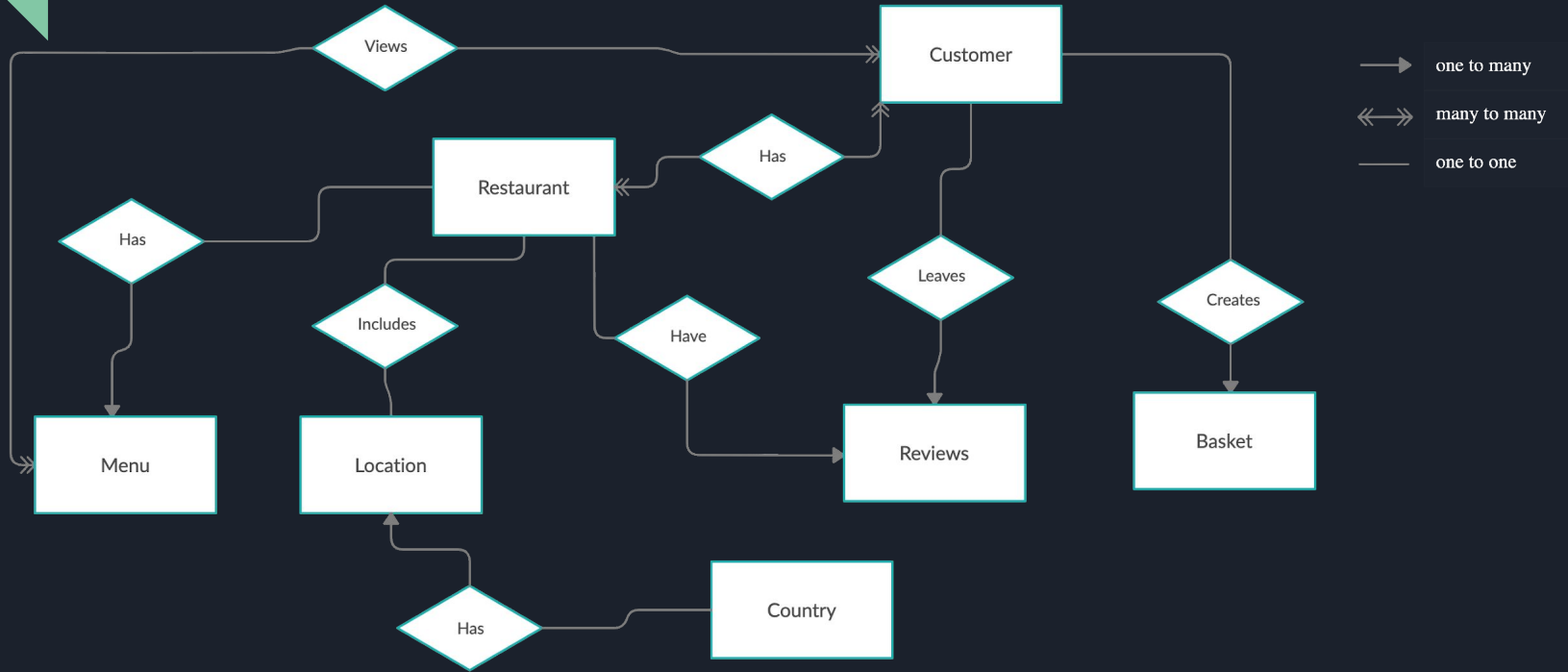
- Our project is a user-interactable command line that prompts the user to select a feature to perform
 - The application's design is to provide user's a convenient way of searching for restaurant information in the database
- The main menu displays a numbered list of features to get information on restaurants
 - includes restaurant names, locations, menus, and pricing
 - The user chooses an option through the command line based on the prompt
- Meaningful features actively interact with the user to select a restaurant
 - retrieve and edit information stored in the database

Use-Case Diagram



- A user can utilize various features with the command line, the meaningful functions depicted in blue
 - Search for restaurants based on the specified search criteria
 - View additional info for the searched restaurant
 - Insert, Delete, and update a review on the restaurant
 - Create a basket list to get an idea of how much it would cost to order from that restaurant
 - Compare restaurant details such as their ratings and pricings

E/R Diagram





Relational Schema

Restaurant

- name, pricing, menukey, locationkey, restaurantkey

Reviews

- user, stars, reviewkey

Location

- address, locationkey, countrykey

Customer

- name, restaurantkey, reviewkey

Menu

- item, cost, menukey

Country

- name, countrykey

Basket

- item, cost

Relational Schema

basket

item	cost
tea	2

country

name	countrykey
USA	1
UK	2
Mexico	3
Canada	4
Australia	5
Sweden	6
Japan	7
Germany	8

reviews

name	restaurantkey	reviewkey
Ileyka W.	1	1
Roberta J.	2	2
Theart P.	2	3
Alice C.	3	4
Jeff W.	4	5
Cathy L.	5	6
Mitali N.	5	7
David S.	6	8
Karen L.	7	9

Relational Schema

location

address	locationkey	countrykey
222 Mason St, San Francisco, CA 94102	1	1
300 Grove St, San Francisco, CA 94102	2	1
The Embarcadero Ste A-202, San Francisco, CA 94133	3	1
3450 Balboa St, San Francisco, CA 94121	4	1
710 Florida St, San Francisco, CA 94110	5	1
309 Clement St, San Francisco, CA 94118	6	1
225 Clement St, San Francisco, CA 94118	7	1
317 Connecticut St, San Francisco, CA 94107	8	1
1031 Irving St, San Francisco, CA 94122	9	1
552 Green St, San Francisco, CA 94133	10	1
1906 Van Ness Ave, San Francisco, CA 94109	11	1
14 North Audley Street, London W1K 6WE, United Kingdom	14	2

menu

item	cost	menukey
Honey Soy Glazed Chicken Wings	16	1
Lasagne	27	2
Cacio E Pepe	23	2
Caesar	15	2
Clam Chowder (Bowl)	9.5	3
Dungness Crab Cakes	19	3
Mixed Grill	31	3
Quesabrilla	3	4
Tacos	2	4
Enchiladas	5	4
Hat Yai Fried Chicken	27.95	5
Somasa	12.5	5

Relational Schema

restaurant

name	pricing	menukey	locationkey	restaurantkey
Restaurant Anzu	\$\$\$	1	1	1
BAIA	\$\$\$	2	2	2
Fog Harbor Fish House	\$\$	3	3	3
Cielito Lindo	\$	4	4	4
Farmhouse Kitchen Thai Cuisine	\$\$	5	5	5
Burma Superstar	\$\$	6	6	6
Lily	\$\$	7	7	7
Po'Boys Kitchen	\$	8	8	8
San Tung	\$\$	9	9	9
Sotto Mare Oysteria & Seafood	\$	10	10	10
House of Prime Rib	\$\$\$	11	11	11
Abu Salim Middle Eastern Grill	\$\$\$	12	12	12
Spice of America	\$\$	13	13	13
In-N-Out	\$	35	35	35

reviews

user	stars	reviewkey
Ileyka W.	5	1
Roberta J.	5	2
Theart P.	3	3
Alice C.	5	4
Jeff W.	5	5
Cathy L.	5	6
Mitali N.	4	7
David S.	5	8
Karen L.	5	9
Jeff N.	3	10
Cherylynn N.	4	11
Dirk T.	5	12
Thomas C.	5	13
Sydney J.	4	14

Implementation Details

- Application
 - Visual Studio Code
- Database
 - Manually implemented from Yelp
- Language
 - Python & SQL
- Github Repository
 - <https://github.com/gracellamas/CSE111-Project>



Visual Studio Code



PROJECT DEMO





Questions?

