Screen shots for the GUI after running each query

INSERT operation

Before insertion, the user with id = 1001 has two addresses as below.

	STREETADDRESS	CITY	COUNTRY	ADDRESSTYPE
١	New St.	Toronto	Ontario	company
	New St. 1 Apple Dr	Vancouver	Canada	delivery

After insertion, the insert success message is printed, and now the user 1001's address becomes the picture below.

INSERT into UserAddress VALUES('American St.', 'Seattle', 'U.S.', 'home', 1001)

No results found.

INSERT SUCCESSFULLY.

STREETADDRESS	CITY	COUNTRY	ADDRESSTYPE
New St.	Toronto	Ontario	company
1 Apple Dr	Vancouver	Canada	delivery
American St.	Seattle	U.S.	home

DELETE operation

Before insertion, the user with id = 1001 has two addresses as below.

STREETADDRESS	CITY	COUNTRY	ADDRESSTYPE
New St.	Toronto	Ontario	company
1 Apple Dr	Vancouver	Canada	delivery
American St.	Seattle	U.S.	home

After deletion, the delete success message is printed, and now the user 1001's address becomes the picture below.

DELETE FROM UserAddress WHERE userID = 1001 AND streetAddress = 'New St.' AND city = 'Toronto' AND country = 'Ontario'

No results found.

DELETE SUCCESSFULLY.

STREETADDRESS CITY COUNTRY ADDRESSTYPE

1 Apple Dr Vancouver Canada delivery

American St. Seattle U.S. home

UPDATE operation

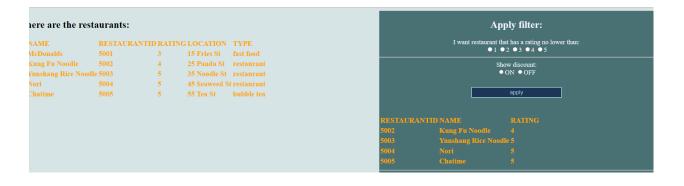
Before updating, the user with id = 1001's U.S. address has a type "home."

After updating the address type, the success message is printed and now the U.S. address type is updated to "company."



Selection

The value chosen is 4 and OFF. The table on the left is the table before the buttonclick and the table in the right is the one produces after the button is clicked.

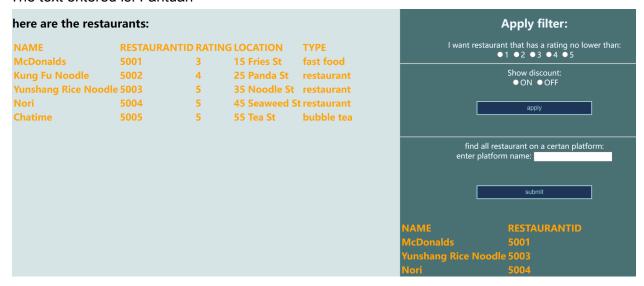


Projection



Join

The text entered is: Fantuan



Aggregation – GROUP BY

After clicking the min:



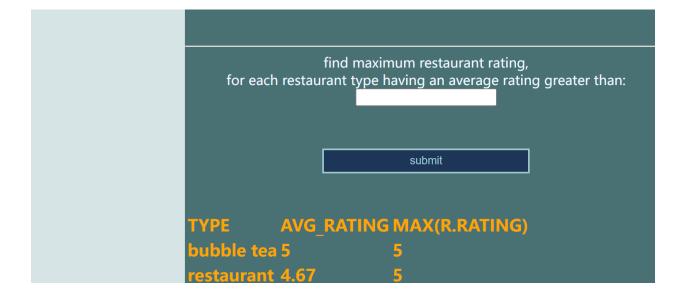
After clicking the max:



Aggregation – HAVING

here are the restaurants: NAME RESTAURANTID RATING LOCATION TYPE **McDonalds** 15 Fries St fast food 5001 25 Panda St restaurant **Kung Fu Noodle** 5002 **Yunshang Rice Noodle 5003** 5 35 Noodle St restaurant 5 **45 Seaweed St restaurant** Nori 5004 Chatime 5005 55 Tea St bubble tea

After clicking (the value entered here is 3):



Nested aggregation – GROUP BY



Division

Before clicking:

here are the restaurants:					
NAME	RESTAURANTID	RATING	LOCATION	ТҮРЕ	
McDonalds	5001	3	15 Fries St	fast food	
Kung Fu Noodle	5002	4	25 Panda St	restaurant	
Yunshang Rice Noodle	5003	5	35 Noodle St	restaurant	
Nori	5004	5	45 Seaweed St	restaurant	
Chatime	5005	5	55 Tea St	bubble tea	

Result given after clicking

