Campus Eats

Group 1

Project Members



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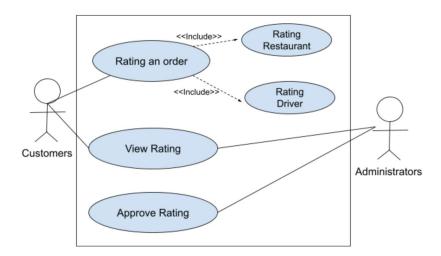
Nick Tallent

Purpose of Project

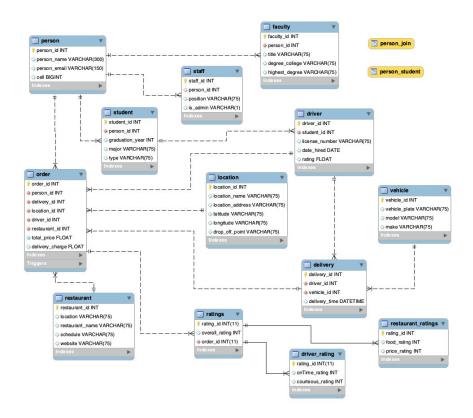
- In this project, a database regarding Food Delivery on Campus has been provided to us.
- Understand a test database for a campus-controlled food delivery service similar to craveoncampus.com
- Based on this database, we generated rating tables for restaurants and drivers.
 Our rating tables are sorted by high to low rating/low to high rating (5 is the highest and 1 is the lowest).
- Additionally, there are two views that uses join, Query Optimization, and a description of the types of users and their roles.

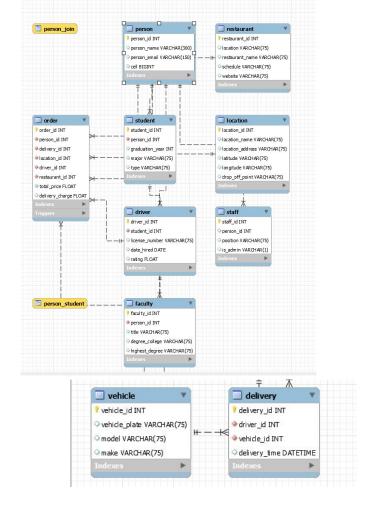
Users and Use Case for Rating System

- Students can either order food or become a driver
- Faculty and staff can order food
- Administrators can view ratings and approve them



New Tables





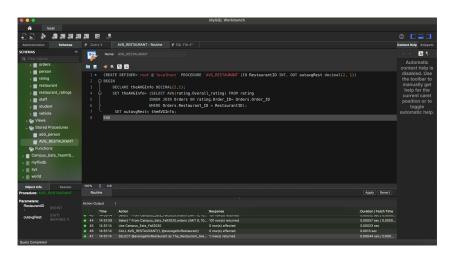
Data Dictionary for new tables

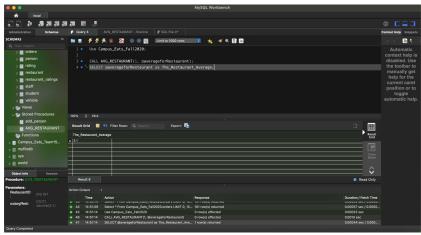
Table: driver_rating										
Table Comments										
Columns										
Name Data Type Nullable PK FK Default Comment										
rating_id	INT(11)	Yes	Yes	No						
onTime_rating	INT	No	No	No						
courteous_rating	INT	No	No	No						
Table List										
	Table: restaurant_ratings									
Table Comments										
Columns										
Name	Data Type	Nullable	PK	FK	Default	Comment				
rating_id	INT	Yes	Yes	No						
food_rating	INT	No	No	No						
price_rating	INT	No	No	No						
Table List										

		Table: stu	ident						
Table Comments		Table, sti	iuent						
Columns									
Name	Data Type	Nullable	PK	FK	Default	Comment			
student_id	INT	Yes	Yes	No					
person_id	INT	Yes	No	Yes					
graduation_year	INT	No	No	No	NULL				
major	VARCHAR(75)	No	No	No	NULL				
type	VARCHAR(75)	No	No	No					
able List				· ·	<u> </u>				
		Table: ve	hicle						
Table Comments									
Columns									
Name	Data Type	Nullable	PK	FK	Default	Comment			
vehicle_id	INT	Yes	Yes	No					
vehicle_plate	VARCHAR(75)	No	No No		NULL				
model	VARCHAR(75)	No	No No		NULL				
make	VARCHAR(75)	No	No No No						
able List	<u> </u>	·							
		Table: ra	tings						
Table Comments									
Columns									
Name	Data Type	Nullable	PK	FK	Default	Comment			
	INT(11)	Yes	Yes	No					
rating_id overall_rating		Yes No	Yes No	No No					
rating_id	INT(11)								

Process Used and Technologies

Store Procedures





Driver Ratings: Courteous and On Time Rating Comparison

```
-- Select Rating IDs, Courteous ratings, and the On Time ratings of drivers

SELECT rating_id, courteous_rating, onTime_rating

-- Select only from drivers with a courteous rating of 3 or more

FROM (

SELECT rating_id, courteous_rating, onTime_rating

FROM driver_rating

WHERE courteous_rating >= 3) AS courteous_3

-- Order by onTime_rating

ORDER BY onTime_rating;
```



rating id	courteous_rating	onTime rating
20	5	1
6	4	2
7	5	2
19	3	2
15	4	3
18	4	3
4	5	4
11	3	4
13	5	4
17	3	4
3	3	5
5	5	5
9	5	5
10	4	5
14	5	5

id	select_type	table	partitions	type possible_keys	key key_len ref	rows	filtered	Extra
1	SIMPLE	driver_rating		ALL		20	33.33	Using where; Using filesort

Restaurant Ratings: Overall and Average Detail Comparison



rating_id	food_rating	price_rating	overall_rating	food_price_avg_rating
20	1	2	0	1.5
5	3	5	1	4
15	5	2	1	3.5
3	5	5	2	5
7	5	3	2	4
11	2	1	2	1.5
14	3	5	2	4
18	3	4	2	3.5
6	4	2	3	3
8	2	4	3	3
12	4	3	3	3.5
4	4	4	4	4
10	1	4	4	2.5
13	5	4	4	4.5
19	3	5	4	4
1	1	3	5	2
2	5	5	5	5
9	1	5	5	3
16	4	4	5	4
17	2	3	5	2.5

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	restaurant_ratings		ALL					20	100	Using where; Using temporary; Using filesort
1	SIMPLE	rating		eq_ref	PRIMARY	PRIMARY	4	campus_eats_fall2020.restaurant_ratings.rating_id	1	100	