Project Report: List and Description

Course Project: Campus Eats

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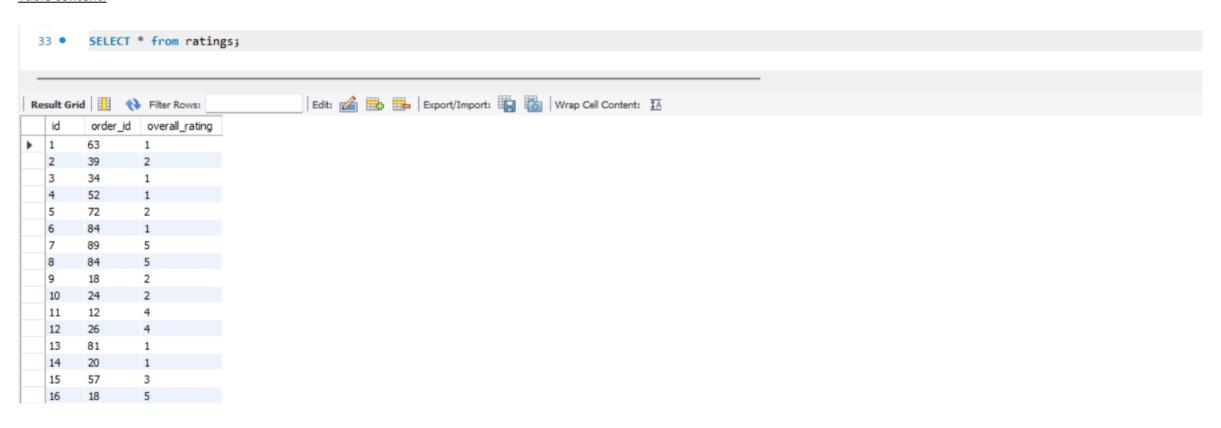
<u>Project Description:</u> Food delivery services has become one of the concerning sectors due to the Corona virus. Instead of hiring external people to deliver the food, local businesses are looking for simple ways to deliver the food to consumers. Even when things that were affected by Corona virus are returning to normal, many experts believe that food delivery will have become a part of our daily routine. Students prefer food delivery services while present in campus premises. University personnel dislike the constant influx of guests who may or may not be affiliated with the university. Although companies like UberEats and GrubHub are delighted to deliver on campus, many colleges are debating whether they should take control of the delivery and ensure that only students and approved university workers deliver food on campus for safety and health reasons.

Table Information for newly added tables:

1. Table name: ratings

Purpose: To maintain the ratings for the respective orders.

Table content:

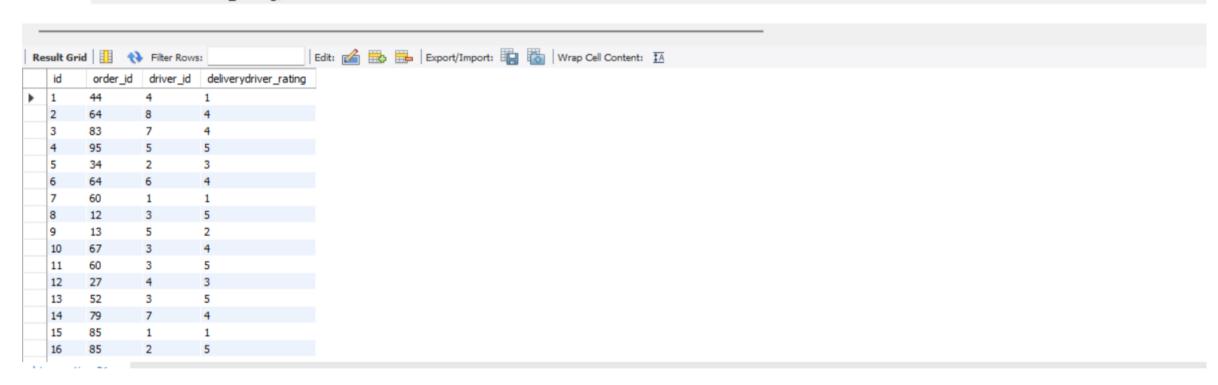


2. **Table name:** driver_rating

Purpose: To maintain the delivery driver's rating

Table content:

SELECT * from driver_rating;

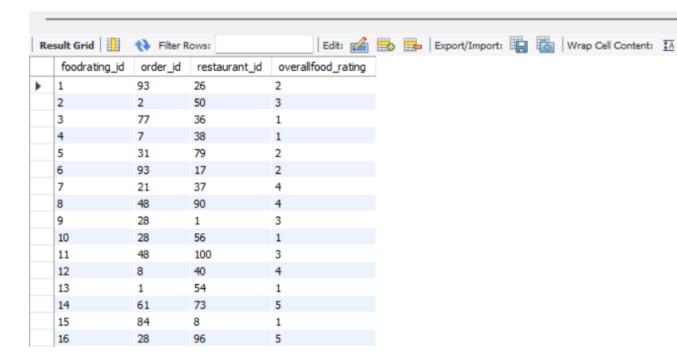


3. <u>Table name:</u> food_rating

<u>Purpose:</u> To maintain the overall food ratings for the respective orders

Table content:

35 • SELECT * from food_rating;

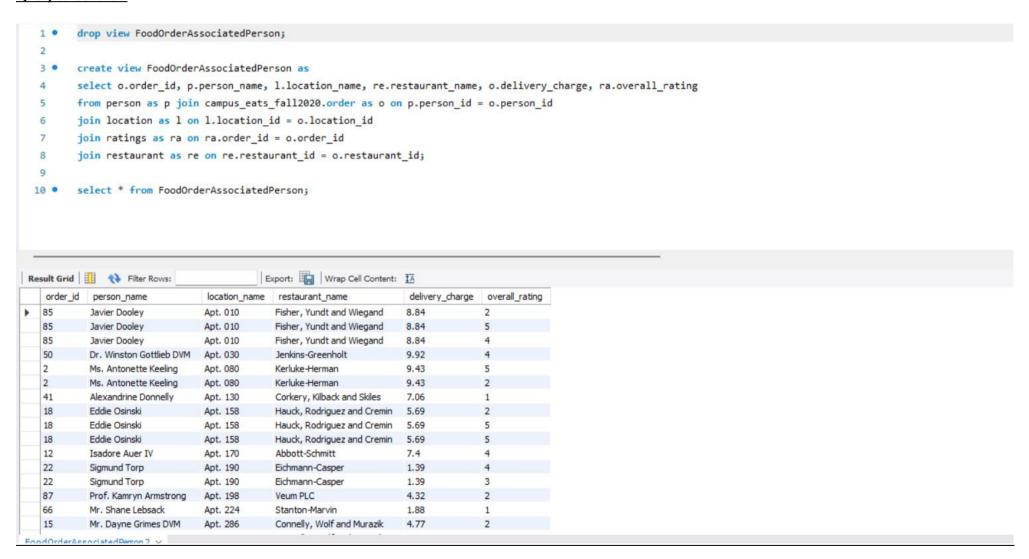




1. FoodOrderAssociatedPerson:

<u>Purpose:</u> For an individual person, get the order details, which include location name, restaurant name, delivery charges and overall rating.

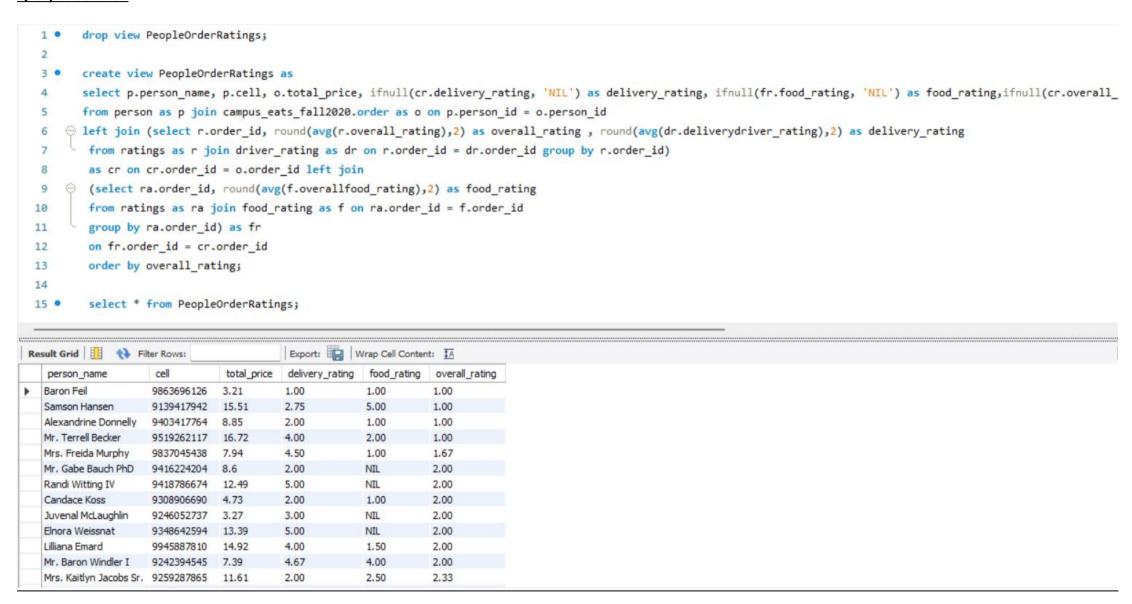
Query screenshot:



2. PeopleOrderRatings:

Purpose: Get the detailed ratings given by a person

Query screenshot:



3. AverageDriversDeliveryRating:

ia9372

Royce Ledner II

3.25

Purpose: To maintain the average rating for derivers

Qyery Screenshot:

```
drop view AverageDriversDeliveryRating;
  2 • create view AverageDriversDeliveryRating as
         select d.driver_id, d.license_number, sp.person_name, odr.avg_rating from driver as d left join
  3
  4 ⊖ (select s.student_id, p.person_name from person as p
        join student as s on p.person id = s.person id) as sp
  6
        on d.student_id = sp.student_id left join

⊖ (select o.driver_id, o.order_id, round(avg(dr.deliverydriver_rating),2) as avg_rating

        from campus eats fall2020.order as o join
  8
        driver_rating as dr on dr.driver_id = o.driver_id
  9
        group by o.driver_id) as odr on d.driver_id = odr.driver_id
 10
        order by d.driver_id;
 11
 12
 13 • select * from AverageDriversDeliveryRating;
                                         Export: Wrap Cell Content: TA
driver_id license_number person_name
                                           avg_rating
           fi3980
                        Leopoldo Welch
1
                                           2.55
           js4003
                        Mr. Sigrid Morissette
                                          3.56
           xt8429
                        Leann O'Kon Sr.
                                           3.83
           yv6392
                        Stone Kshlerin
                                           2.92
           cf3679
                        Ms. Sincere McDermott 3.50
           rx3942
                        Fabiola Gusikowski V
                                           2.89
           mf2647
                        Caitlyn Runolfsdottir
                                           3.82
```

Stored Procedure:

1. Get driver's rating:

Purpose: To get each driver's rating

```
-- To get a list of drivers' details who has the given rating
  1
  2
         DELIMITER //
         CREATE PROCEDURE `get_drivers_with_rating`(in rating int(1))
  3
  4

⊖ BEGIN

         SELECT person_name as student_name, rating, cell as student_contact, graduation_year, major, s.type as college_type
  5
  6
         FROM campus eats fall2020.driver AS d
  7
         INNER JOIN person AS p1
  8
             INNER JOIN student AS s
  9
             ON s.student_id = d.student_id
             AND s.person_id = p1.person_id
 10
             AND d.rating = rating
 11
 12
         END
 13
         DELIMITER;
 14
 15 •
         CALL get_drivers_with_rating(3);
 16
Result Grid Filter Rows:
                                       Export: Wrap Cell Content: IA
   student_name
                     rating student_contact graduation_year
                                                                       college_type
Mr. Sigrid Morissette 3
                                                                       Undergraduate
                            9699469427
                                          2015
                                                         Philosophy
   Leann O'Kon Sr.
                           9521975342
                                          1985
                                                         Cyber Security Graduate
   Stone Kshlerin
                                                                       Graduate
                            9851384624
                                                         Philosophy
                                          1975
  Fabiola Gusikowski V 3
                           9121545851
                                          1997
                                                         Data Science
                                                                       Undergraduate
   Caitlyn Runolfsdottir 3
                           9157717821
                                          1996
                                                         Environmental
                                                                      Undergraduate
  Royce Ledner II
                           9511542747
                                          1973
                                                                       Graduate
                                                         Data Science
```

2. Get order details:

Purpose: Get order details which includes delivery person name, person who ordered the order, location name and location address.

```
45
         DELIMITER //
         -- Get order details like driver name, name of the person who ordered, delivery location and address for the given id
 46
         CREATE DEFINER=`root`@`localhost` PROCEDURE `get order details`(in order id varchar(100))
 47

→ BEGIN

 48
         SELECT order id, p1.person name as driver, p.person name as ordered by, location name, location address
 49
 50
         FROM campus eats fall2020.order AS o
         INNER JOIN
 51
 52
            person AS p1
            ON o.driver_id = p1.person_id
 53
            AND o.order_id = order_id
 54
            INNER JOIN
 55
            person AS p
 56
            ON o.person_id = p.person_id
 57
            AND o.order_id = order_id
 58
            INNER JOIN
 59
            location AS 1
 60
            ON o.location_id = l.location_id
 61
            AND o.order_id = order_id
 62
         END
 63
 64
         DELIMITER;
         CALL get_order_details(101);
                                      Export: Wrap Cell Content: IA
Result Grid Filter Rows:
   order_id driver
                                 location_name location_address
                      ordered_by
           Noel Emard Keith Turner Suite 057
                                              28742 Cole Forest Suite 48...
101
```

Functions

1. Get the years served for a specific driver id:

<u>Purpose:</u> Get the years of service for the delivery person with driver_id

```
76
        DELIMITER //
        CREATE DEFINER=`root`@`localhost` FUNCTION `get_years_of_service`(id INTEGER) RETURNS int
 77
 78
 79

⇒ BEGIN

            DECLARE years_since_hired INT;
 80
            SELECT TIMESTAMPDIFF(YEAR, d.date_hired, CURDATE()) INTO years_since_hired from driver as d WHERE d.driver_id=id;
 81
 82
            RETURN years_since_hired;
 83
         END
        DELIMITER;
  84
 85
        SELECT get_years_of_service(2);
 87
                                      Export: Wrap Cell Content: IA
get_years_of_service(2)
4
```

<u>Indexes:</u>

1. Index faculty_index for faculty table on faculty_id column:

