Database System Project Group-5

Group Members

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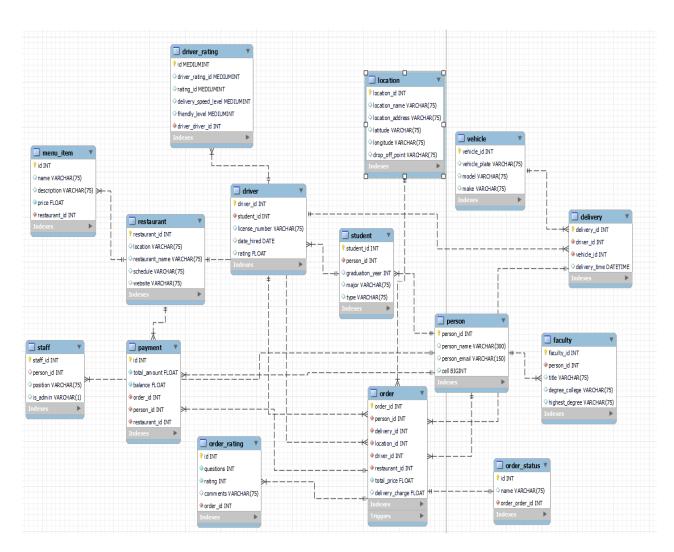
Introduction:

Food delivery services are more vital than ever now that the Corona virus is a danger. Even when things return to normal, many experts believe that food delivery will have become a part of our daily routines. On campus, students like meal delivery services. Campuses dislike the constant influx of guests who may or may not be affiliated with the university. We will attempt to comprehend a test database for a campus-controlled food delivery business craveoncampus.com in this project. The database we'll be utilizing for this project is on loan from the "Mavericks," a graduate student club (Dhananjay Arora, Akshay Babu, Sumit Kawale and Prashant Madaan). We'll be adding a rating system for both restaurants and delivery drivers to the database. We begin by thoroughly researching Crave and other relevant websites, followed by a thorough examination of the database system's original ERD and business rules (load the SQL script and reverse engineer the database). We could change the database design to reflect the business rules we want to adopt in our own database system. It's possible that we'll need to make some changes to the database system in order to make it more effective for our needs.

Business Rules:

- Only students are drivers
- University members are the only users of the system
- An order has one and only one rating
- Ratings are optional, etc.
- Order can be placed only via campus app
- Campus id is needed for placing the order
- Students can work only 20hrs/week
- Delivery can be made only within campus
- An individual delivery is tied to one and only one person for the order
- A unique identifier (ID) is tied to the id for the order at the individual restaurant
- Restaurants can have multiple menu items
- User can order from a single restaurant at a time
- User can order one or multiple items from the restaurant in a single order

EERD with new Tables



Data Dictionary

restaurant P/F					
	Field Name	Caption	Data Type	Field Size	Expected Data - Example
PK	restaurant_id	id of restaurant location of	INT	1:	ld of a restaurant ex: 54,36 etc
	location	restaurant name of the	VARCHAR		Ex: mallad creek, concord mills etc
	restaurant_name	restaurant schedule of	VARCHAR		Burger king, Taco Bell
	schedule website	restaurant website of the restaurant	VARCHAR		9 am - 11 pm burgerking.com
menu_item P/F	Field Name	Caption	Data Type	Field Size	Expected Data - Example
PK	name	name of the	VARCHAR		id of the item ex: 2,3,4 etc name of the item ex: burger, fries etc
	description	description of the item	VARCHAR		description of the item ex: pizza with chicken topping
	price	price of the item	FLOAT		9.99,12.99
	restaurant_id	id of restaurant	INT	1	id of restaurant refers to restaurant table ex: 56,32
P/F PK	Field Name location_id	Caption id of location	Data Type INT	Field Size	Expected Data - Example i d of location which is unique ex: 5 ,8,7
	location_name	name of location	VARCHAR		name of location ex: 2345 sovi
	location_address	address of location	VARCHAR	71	address of loc ex: 2345 sovi ,university city blvd, 28264
	latitude	latitude of latitude longitude of	VARCHAR	7:	latitude of drop ex: 87.63252
	longitude	longitude point of	VARCHAR		longitude of drop ex: 56.39999
driver	drop_off_point	drop_off	VARCHAR		drop of point of order ex: sovi
P/F PK	Field Name driver_id	Caption id of driver	Data Type INT	Field Size	Expected Data - Example id of driver ex: 23, 32 etc id of student which refers to student
	student_id	id of student license	INT	1	table ex: 80120 ,801206821
	license_number	number of the driver	VARCHAR	7	license number of driver ex: nc852
	date_hired	driver hired date rating	DATE	NA	date on which driver is hired ex: mm:dd:yyyy
	rating	received by driver	FLOAT	Si	rating of the driver ex: 5.3, 2.5
driver rating					
P/F	Field Name	Caption id of driver's rating	Data Type MEDILIMINT	Field Size	Expected Data - Example driver rating ex: 2, 4,5
	driver_rating_id rating_id delivery_speed_I	id of rating	MEDIUMINT	21	3,4,5
	evel friendly_level	speed level of friendliness o	MEDIUMINT	21	5,4,2 5,3
	driver_id	id of driver	INT	1	driver id refers to driver table ex: 45,52
staff					
P/F PK	Field Name staff_id	Caption id of the staff	Data Type INT	Field Size	Expected Data - Example staff id ex: 256, 123 etc person which refers to person table id
	person_id	ld of a person	INT	1:	person which refers to person table id ex: 256, 123 etc
	position	position of the staff whether that	VARCHAR	71	Receptionist, Librarian
		staff person is admin or			
	is_admin	not	VARCHAR	71	N
P/F	Field Name	Caption payment id	Data Type	Field Size	Expected Data - Example 13, 30 etc
	total amount	total amount of order	FLOAT		36 00 30 F7 etc
	balance order_id	balance remail id of order	FLOAT	54	3.25, 0.38 etc corder_id refers to order table ex: 13,85
	person_id	person_id refers to person table	INT	_	person id refers to person table ex:55.3
		restaurant id refers to restaurant			
	restaurant_id	table	INT	1:	restaurant id refers to restaurant table
order P/F PK	Field Name order_id	Caption id of order	Data Type INT	Field Size	Expected Data - Example id of order ex: 21, 15 etc
	person_id delivery_id	id of person id of delivery	INT	1:	id of person ex: 126,152 etc id of delivery ex: 512,635 etc
	location_id driver_id	id of location id of driver	INT	1:	l id of location ex: 2, 5 etc l id of driver ex: 21, 45 etc
	restaurant_id	id of restaurant	INT	1	id of restaurant ex: 17,18 etc
	total_price	total price of order delivery	FLOAT	se	total price of order ex: 21.36
	delivery_charge	charge on order	FLOAT	Si	delivery charge on order ex: 4.5,5.99
order_rating					
	et - 1.4 m	discretization.			
P/F PK	Field Name id	Caption order id rating	Data Type INT	Field Size	Expected Data - Example 1 56, 33 etc
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