DATABASE PROJECT(Campus Eats)

Project Introduction

Group 2

Github Link:
https://github.com/chiranjeevi-gorantla/Database_Project

Team Details

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Project Introduction:

Food delivery services have become an indispensable part of our life. It's critical for institutions to maintain track of orders placed. CampusEats database is all about the food delivery system. Each student is considered as a person similarly each staff member is considered as a person. A user first has to create an account for placing an order and ordering the food. All the accepting restaurants are registered in the database with their respective locations and users search for the restaurants and order the food. A delivery person will be associated with the order. Our database holds the record of each staff member. Students can work as drivers to deliver the food if they have a driving licence.

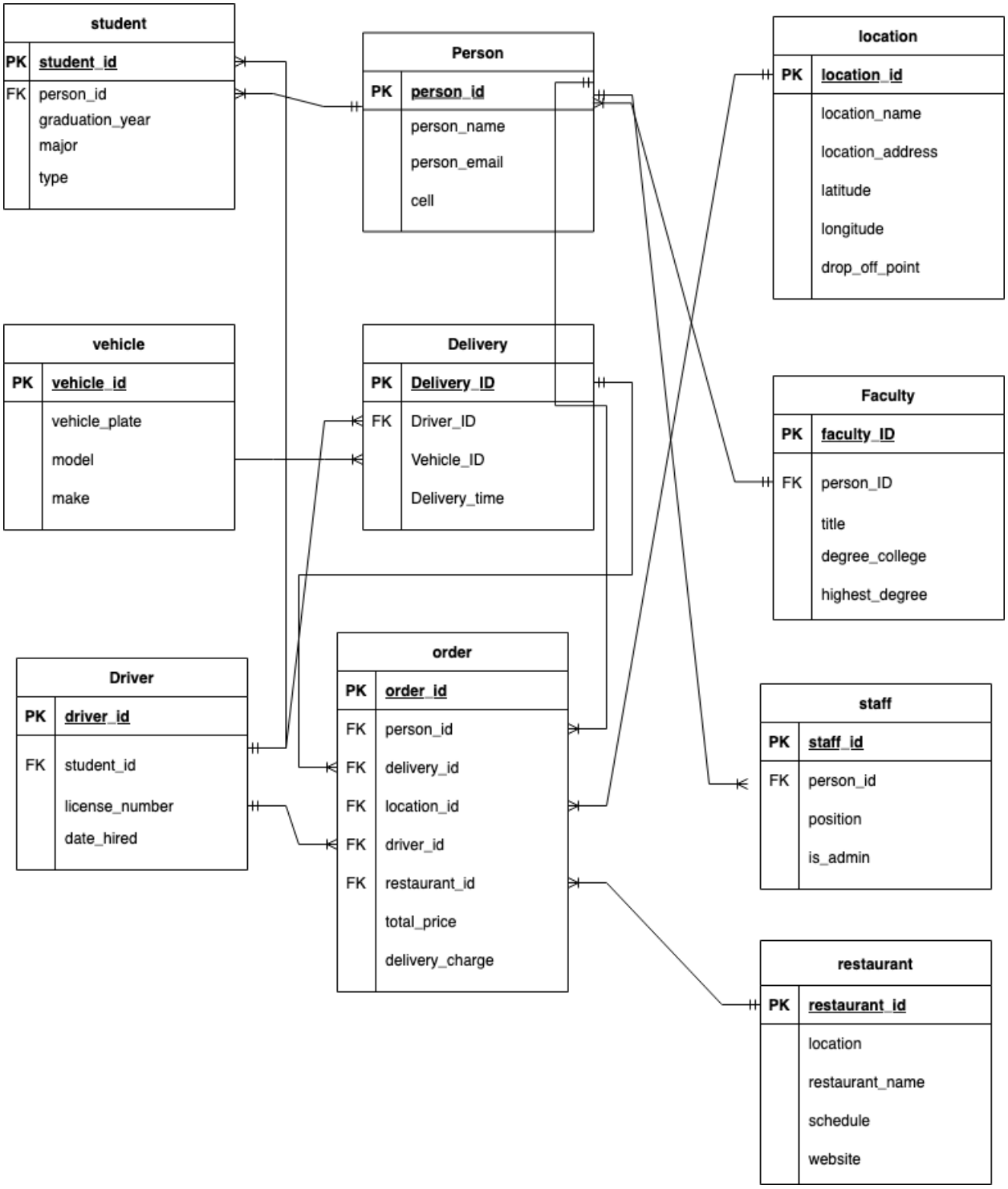
Table Name	Description
delivery	This table contains all of the delivery information.
driver	The driver's information is contained in this table.
faculty	This table holds all the information of the faculty, such as their faculty_id, title, college and degree.
location	This table includes all the information of the faculty, such as location_id, latitude, longitude.
person	This table consists of the information of the faculty, such as person id, name, email and mobile number.
restaurant	This table contains all of the information about that specific restaurant.
staff	This table holds all of the information like staff_id, position.
student	This table contains all the information about the student, including their name, id, major, type and graduation year.
vehicle	This table contains all of the vehicle's data.
order	This table consists of the details of the orders.

Business Rules:

- Only students are acceptable to be drivers.
- Person types are limited to students, faculty, staff, and drivers.
- Only one rating per order is permitted.
- Cash, credit card, or direct deposit are all accepted modes of payment.
- There is no limit to the number of order items that can be placed in a single order.
- Offer types include a restaurant, delivery, referral, or application offers only.
- Ratings are not mandatory.
- An order can have both an overall and a restaurant rating, or both.
- Persons who can order are limited to students, faculty, and/or staff.
- Per individual, only one offer is valid.
- Restaurant deals are only redeemable by students, instructors, employees, and drivers.
- There is a limit of one social media handle per restaurant.
- All of the locations must be on campus.

Use Case for Ratings System:

EERD:



Data Dictionary:

Table Name	Field Name	Data Type	Field length	Constraints	Description
delivery	delivery_id	int	11	Primary Key	Delivery's ID
	driver_id	int	11	Foreign Key	Driver's ID
	vehicle_id	int	11	Foreign Key	Vehicle's ID
	delivery_time	datetime		Default Null	Time of the delivery
driver	driver_id	int	11	Primary Key	Driver's ID
	student_id	int	11	Foreign Key	Student's ID
	license_number	varchar	75	Default Null	Driver's license number
	date_hired	date		Default Null	Date when the driver is hired
	rating	float		Default Null	Rating of driver
faculty	faculty_id	int	11	Primary Key	Faculty's ID
	person_id	int	11	Foreign Key	Person's ID
	title	varchar	75	Default Null	Title of faculty eg: Asst professor, professor
	degree_college	varchar	75	Default Null	Faculty where they have received a degree
	highest_degree	varchar	75	Default Null	Highest degree received by faculty eg: PhD, Master's
location	location_id	int	11	Primary Key	Location's ID
	location_name	varchar	75	Default Null	Location's name
	location_address	varchar	75	Default Null	Location's address
	latitude	varchar	75	Default Null	Location's latitude value
	longitude	varchar	75	Default Null	Location's longitude value
	drop_off_p	varchar	75	Default Null	Where the order needs to be dropped

	oint				
person	person_id	int	11	Primary Key	Person's ID
	person_name	varchar	300	Default Null	Person's Name
	person_email	varchar	150	Default Null	Person's email
	cell	bigint	20	Default Null	Person's cell number
restaurant	restaurant_id	int	11	Primary Key	Restaurant's ID
	location	varchar	75	Default Null	Restaurant's Location
	restaurant_name	varchar	75	Default Null	Restaurant's Name
	schedule	varchar	75	Default Null	Timing's of restaurant
	website	varchar	75	Default Null	Restaurant's website
staff	staff_id	int	11	Primary Key	Staff's ID
	person_id	int	11	Default Null	Person's ID
	position	varchar	75	Default Null	Position of staff working in the restaurant
	is_admin	varchar	1	Default	If Staff is admin or not eg: Y, N
student	student_id	int	11	Primary Key	Studen's ID
	person_id	int	11	Foreign Key	Person's ID
	graduation_year	int	4	Default Null	Graduation year of the student
	major	varchar	75	Default Null	Student's major
	type	varchar	75	Default Null	Contains a value if a student is a graduate or undergraduate
vehicle	vehicle_id	int	11	Primary Key	Vehicle's ID
	vehicle_plate	varchar	75	Default Null	Vehicle’s number
	model	varchar	75	Default Null	Model of vehicle
	make	varchar	75	Default Null	Manufacture of the vehicle
order	order_id	int	11	Primary Key	Order's ID

	person_id	int	11	Foreign Key	Person's ID
	delivery_id	int	11	Foreign Key	Delivery's ID
	location_id	int	11	Foreign Key	Location's ID
	driver_id	int	11	Foreign Key	Driver's ID
	restaurant_id	int	11	Foreign Key	Restaurant's ID
	total_price	float		Not Null	The total price of the order
	delivery_charge	float		Default Null	Delivery charge of the order