

# Group 14

## Campus\_Eats\_Fall2020 Database

### **Team Members**

Jyosthna Gandhodi	801254449
Sree Gauthami Gundaram	801257596
Aparna Reddy Pothula	801203669
Manswini Ragamouni	801217775

### **Introduction:**

### **Project Overview:**

We have created Campus\_Eats\_Fall2020 database which represents as a small sized restaurant. It contains all the data required to function a restaurant properly. This project involves designing a database to store the details of the delivery, driver, faculty, location, order, person, restaurant, staff, student and vehicle. Users can search for restaurants and place orders. The order will be assigned to a delivery person.

<b>Table Name</b>	<b>Description</b>
<b>delivery</b>	This table contains all of the delivery information where delivery_id acts as a Primary Key, driver_id and vehicle_id acts as a Foreign Key.
<b>driver</b>	This table contains all of the driver information where driver_id acts as a Primary Key and student_id acts as a Foreign key.
<b>faculty</b>	This table holds all the information of the faculty where faculty_id acts as a Primary Key and person_id acts as a Foreign key.
<b>location</b>	This table includes all the information of the location where location_id acts as a Primary Key.
<b>Person</b>	This table includes all the information of the Person where person_id acts as a Primary Key
<b>restaurant</b>	This table includes all the information of the restaraunt where restaurant_id acts as a Primary Key
<b>Staff</b>	This table holds all the information of the staff where staff_id acts as a Primary Key and person_id acts as a Foreign key
<b>student</b>	This table holds all the information of the student where student_id acts as a Primary Key and person_id acts as a Foreign key
<b>vehicle</b>	This table includes all the information of the vehicle where vehicle_id acts as a Primary Key.
<b>order</b>	This table includes all the information of the orders where order_id acts as a Primary Key, Person id, delivery_id, location_id, driver_id, restaurant_id acts as a Foreign keys

## Database tables:

**Delivery Table:**

	Field	Type	Null	Key	Default	Extra	
	delivery_id	int	NO	PRI	NULL	auto_increment	
	driver_id	int	NO	MUL	NULL		
	vehicle_id	int	NO	MUL	NULL		
	delivery_time	datetime	YES		NULL		

**Driver Table:**

▶	driver_id	int	NO	PRI	NULL	auto_increment	
	student_id	int	NO	MUL	NULL		
	license_number	varchar(75)	YES		NULL		
	date_hired	date	YES		NULL		
	rating	float	YES		NULL		

**Faculty Table:**

	Field	Type	Null	Key	Default	Extra	
▶	faculty_id	int	NO	PRI	NULL	auto_increment	
	person_id	int	NO	MUL	NULL		
	title	varchar(75)	YES		NULL		
	degree_college	varchar(75)	YES		NULL		
	highest_degree	varchar(75)	YES		NULL		

**Location Table:**

	Field	Type	Null	Key	Default	Extra	
▶	location_id	int	NO	PRI	NULL	auto_increment	
◀	location_name	varchar(75)	YES	MUL	NULL		
	location_address	varchar(75)	YES		NULL		
◀	latitude	varchar(75)	YES		NULL		
	longitude	varchar(75)	YES		NULL		
◀	drop_off_point	varchar(75)	YES		NULL		

**Order Table:**

	Field	Type	Null	Key	Default	Extra	
▶	order_id	int	NO	PRI	NULL	auto_increment	
◀	person_id	int	NO	MUL	NULL		
	delivery_id	int	NO	MUL	NULL		
◀	location_id	int	NO	MUL	NULL		
	driver_id	int	NO	MUL	NULL		
◀	restaurant_id	int	NO	MUL	NULL		
	total_price	float	NO		NULL		
◀	delivery_charge	float	YES		NULL		

**Person Table:**

	Field	Type	Null	Key	Default	Extra	
▶	person_id	int	NO	PRI	NULL	auto_increment	
◀	person_name	varchar(300)	YES		NULL		
	person_email	varchar(150)	YES		NULL		
◀	cell	bigint	YES		NULL		

### Restaurant Table:

	Field	Type	Null	Key	Default	Extra
▶	location	varchar(75)	YES		<b>NULL</b>	
◀	restaurant_id	int	NO	PRI	<b>NULL</b>	auto_increment
	restaurant_name	varchar(75)	YES		<b>NULL</b>	
◀	schedule	varchar(75)	YES		<b>NULL</b>	
	website	varchar(75)	YES		<b>NULL</b>	

### Staff Table:

	Field	Type	Null	Key	Default	Extra
▶	staff_id	int	NO	PRI	<b>NULL</b>	auto_increment
◀	person_id	int	YES	MUL	<b>NULL</b>	
	position	varchar(75)	YES		<b>NULL</b>	
◀	is_admin	varchar(1)	YES		N	

### Student Table:

	Field	Type	Null	Key	Default	Extra
▶	student_id	int	NO	PRI	<b>NULL</b>	auto_increment
◀	person_id	int	NO	MUL	<b>NULL</b>	
	graduation_year	int	YES		<b>NULL</b>	
◀	major	varchar(75)	YES		<b>NULL</b>	
	type	varchar(75)	YES		<b>NULL</b>	

Vehicle Table:

	Field	Type	Null	Key	Default	Extra	
▶	vehicle_id	int	NO	PRI	NULL	auto_increment	
	vehicle_plate	varchar(75)	YES		NULL		
	model	varchar(75)	YES		NULL		
	make	varchar(75)	YES		NULL		

## EERD:

