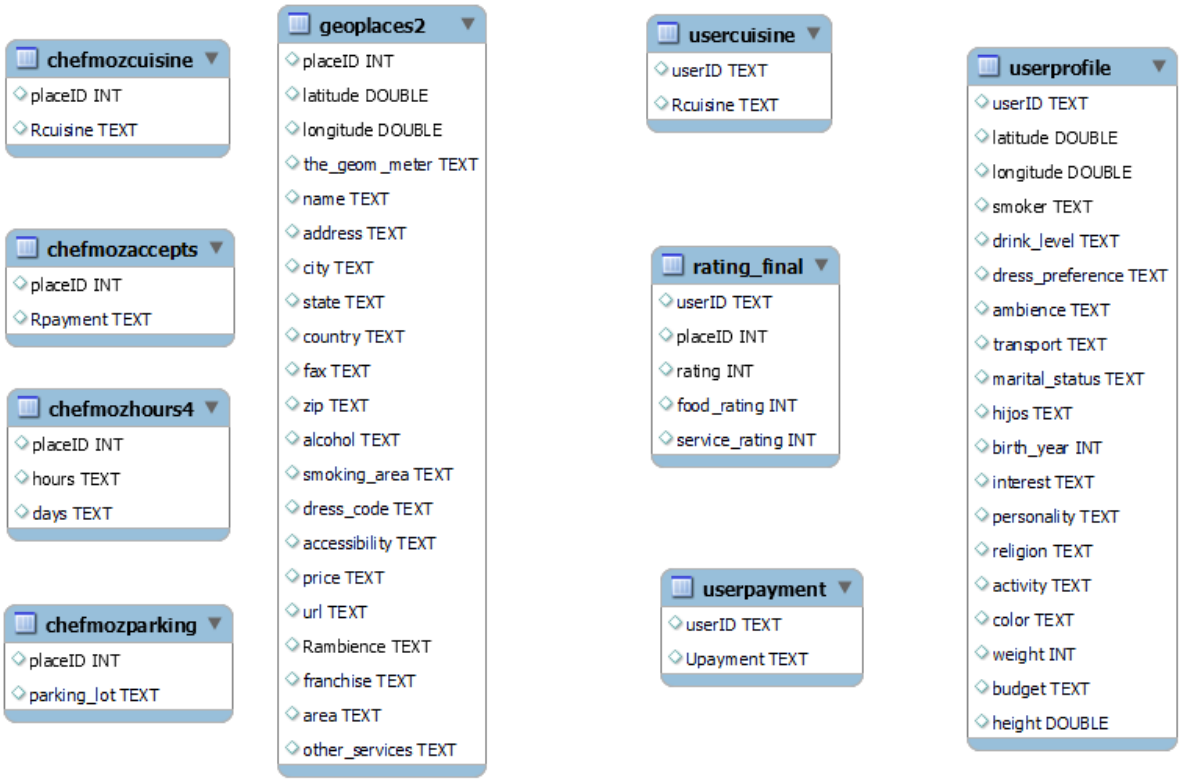
RESTAURANT

Above is the schema of the Restaurant Dataset.

Overview of Restaurant Dataset

- Chefmozaccepts (Location Wise availability of Payment Modes)
- Chefmozcuisine (Location Wise availability of Cuisine)
- Chefmozhours4(Working Hours of Restaurant)
- Chefmozparking (Parking availability at restaurants at different places)
- Geoplaces2(Location Wise Summary of dress code, country, state, etc.)
- Rating_final (User wise rating to the restaurants in diff locations)
- Usercuisine (User had which Cuisine)
- User payment (User used which payment mode)
- Userprofile (Users personal details like a smoker, drink level, interest, religion, etc.)

ER Diagram:



If could see the ER diagram has no relationship representation map between the tables but we can join the relationship between the tables with ease using the basic domain understanding. I encourage you to set the relationship between the tables using a primary and foreign key if you feel it's needed.

List of Tables:

geoplaces2:

Column name:	Data Type	Describe
Place id	Integer	ID for place of the restaurants
Latitude	real	Latitude measurement values of the place
Longitude	real	Longitude measurement values of the place
the_geom_meter	text	The geo meter letters
Name	Varchar	Restaurants name
Address	Text	Address of place (restaurants)
City	Varchar	Name of the city
State	Varchar	Name of the State
Country	Varchar	Name of the Country
Fax	varchar	No data inside it.
Zip	integer	Zip code number
Alcohol	Varchar	Whether alcohol is served or not and what type of alcohol served
Smoking_area	varchar	Whether smoking allowed or not and where they can smoke.
Dress_code	Varchar	Type of dress
Accessibility	Varchar	Tells the accessibility whether have complete access or partially etc
Price	Varchar	Tells price medium, Low and High.
URL	Varchar	USR of the place restaurant
Rambience	Varchar	What type of ambiance
franchise	varchar	Type of franchise
Area	Varchar	Type of area whether it is closed or open
Other_Services	varchar	Other services provided by the restaurant

Chefmozaccepts:

Column Name	Data type	Description
Place ID	Integer	Place id for the place
payment	Varchar	Type of the payments

Chefmozcuisine:

Column Name	Data type	Description
Place ID	Integer	Place id for the place
Rcuisine	Varchar	Type of the cuisine

Userprofile:

Column name:	Data Type	Describe
User ID	Integer	ID for User
Latitude	real	Latitude measurement values of the place of the user
Longitude	real	Longitude measurement values of the place of the user
Smoker	Varchar	Boolean type True or False
Drive Level	Varchar	Type of the drinking condition
dress_preference	Varchar	Type of dress preference
ambience	Varchar	Type of ambience
transport	Varchar	Type of transport the user is using
marital_status	Varchar	Type of Martial Status
hijos	varchar	Type of Hijos like independent or kids
birth_year	integer	Year of the birth
interest	Varchar	User is interested
personality	varchar	Type of personality of the user
religion	Varchar	Type of user religion
activity	Varchar	User activity what he does
color	Varchar	User interest color
Weight	Integer	Weight of the user
Budget	Varchar	Type Budget medium, Low and High.
Height	Integer	Height of the user in meters

chefmozhours4:

Column Name	Data type	Description
Place ID	Integer	Place id for the place
Hours	Time	Time of the working in a day
Days	Text	Working days

Chefmozparking:

Column Name	Data type	Description
Place ID	Integer	Place id for the place
Parking lot	Varchar	Describes the type of the parking

rating_final:

Column Name	Data type	Description
User ID	Varchar	Id for the user
Place ID	Integer	Place id for the place
Rating	integer	Rating given by the user
Food_Rating	Integer	Food rating given by the user
Service_Rating	integer	Service rating given by the user

Usercuisine:

Column Name	Data type	Description
User ID	Varchar	User id for the user
Rcuisine	Varchar	Type of the cuisines

Userpayment:

Column Name	Data type	Description
User ID	Varchar	User id for the user
Upayment	Varchar	Type of the payment

Below mentioned are a few questions based on performances of different restaurants, based on different options.

Questions:

Question 1: - We need to find out the total visits to all restaurants under all alcohol categories available.

Question 2: -Let's find out the average rating according to alcohol and price so that we can understand the rating in respective price categories as well.

Question 3: Let's write a query to quantify that what are the parking availability as well in different alcohol categories along with the total number of restaurants.

Question 4: -Also take out the percentage of different cuisine in each alcohol type.

Let us now look at a different prospect of the data to check state-wise rating.

Questions 5: - let's take out the average rating of each state.

Questions 6: -' Tamaulipas' Is the lowest average rated state. Quantify the reason why it is the lowest rated by providing the summary on the basis of State, alcohol, and Cuisine.

Question 7: - Find the average weight, food rating, and service rating of the customers who have visited KFC and tried Mexican or Italian types of cuisine, and also their budget level is low.
We encourage you to give it a try by not using joins.