**Manipal Restaurant Explorer**

DBMS Project-Synopsis

**TEAM DETAILS:**

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**ER Diagram:**

Diagram

Description automatically generated

**Relationship Schema:­­­**

**Graphical user interface

Description automatically generated**

**Final Tables:**

We used real world data to complete our tabulations, these include data scraped from different restaurant aggregator sites like Zomato, and Swiggy. We present descriptive tables and examples for each of them.

***RESTAURANTS:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **restro\_id** | **name** | **link** | **lat** | **long** |
| Unique identifier for each restaurant within the city of Manipal. Acts as the primary key for the Restaurant table. | Restaurant name provides the official name of the restaurant given its restro\_id. | Provides the Zomato/Swiggy ordering link. Allowing users to interact with other aggregators available on their phones. | Provides latitude of the restaurant allowing users to avail Google Maps for easy travelling. | Provides longitude of the restaurant allowing users to avail Google Maps for easy travelling. |
|  |  |  |  |  |
| 0 | Drips Bakery and Cakes | https://www.zomato.com/manipal/drips-bakery-and-cakes-vidyaratna-nagar/order | 13.35245 | 74.78405 |
| 1 | McDonald's | https://www.zomato.com/manipal/mcdonalds-eshwar-nagar/order | 13.35263 | 74.79008 |

***RATINGS:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **restro\_id** | **review** | **profile\_name** | **delivery\_rating** | **dine\_in\_rating** |
| Unique identifier for each restaurant within the city of Manipal. Acts as the primary key for the Restaurant table. | Comments made by customers who ordered at these restaurants | Username of the individual who has given the review | Provides ratings out of 5 for delivery services availed by the user. | Provides ratings out of 5 for dine-in services availed by the user. |
|  |  |  |  |  |
| 1 | superb! very fast order | Sara Swathi | 5 |  |
| 1 | I had specified to give proper amount of fries, the medium fries was very less as compared to usual. | Anutham Krishnan |  | 3 |

***SIMILAR RESTAURANTS:***

|  |  |
| --- | --- |
| **restro\_id** | **sim\_restaurant** |
| Unique identifier for each restaurant within the city of Manipal. Acts as the primary key for the Restaurant table. | Restaurant names which offer similar dishes and ambience, to given restro\_id. |
|  |  |
| 1 | Pizza Hut |
| 1 | Domino’s Pizza |

***MENU:***

|  |  |  |
| --- | --- | --- |
| **restro\_id** | **item** | **price** |
| Unique identifier for each restaurant within the city of Manipal. Acts as the primary key for the Restaurant table. | Item and dish names offered by the restaurants. | Prices of these items. |
|  |  |  |
| 1 | McSpicy Chicken Burger + Veg Pizza McPuff | 161.90 |
| 1 | McChicken Burger | 118.10 |

***CONTACT:***

|  |  |  |
| --- | --- | --- |
| **restro\_id** | **c\_name** | **phone\_no** |
| Unique identifier for each restaurant within the city of Manipal. Acts as the primary key for the Restaurant table. | Contact name of the person’s phone number. | Phone number to communicate with the restaurants. |
|  |  |  |
| 4 | Help-Desk | +918204299973 |
| 4 | Booking | +918792235502 |

The tables provide a brief description of their contents as well samples for better understanding. Our tables satisfy 3NF condition as they follow:

1. Normalizing principles
2. Inclusion of closely associated data into the same table
3. Removal of redundancy
4. Ensuring referential integrity.