RESTAURANT ORDER TRACKER

MOBILE COMPUTING

&

DATABASE OF FUNDAMENTALS

PROJECT

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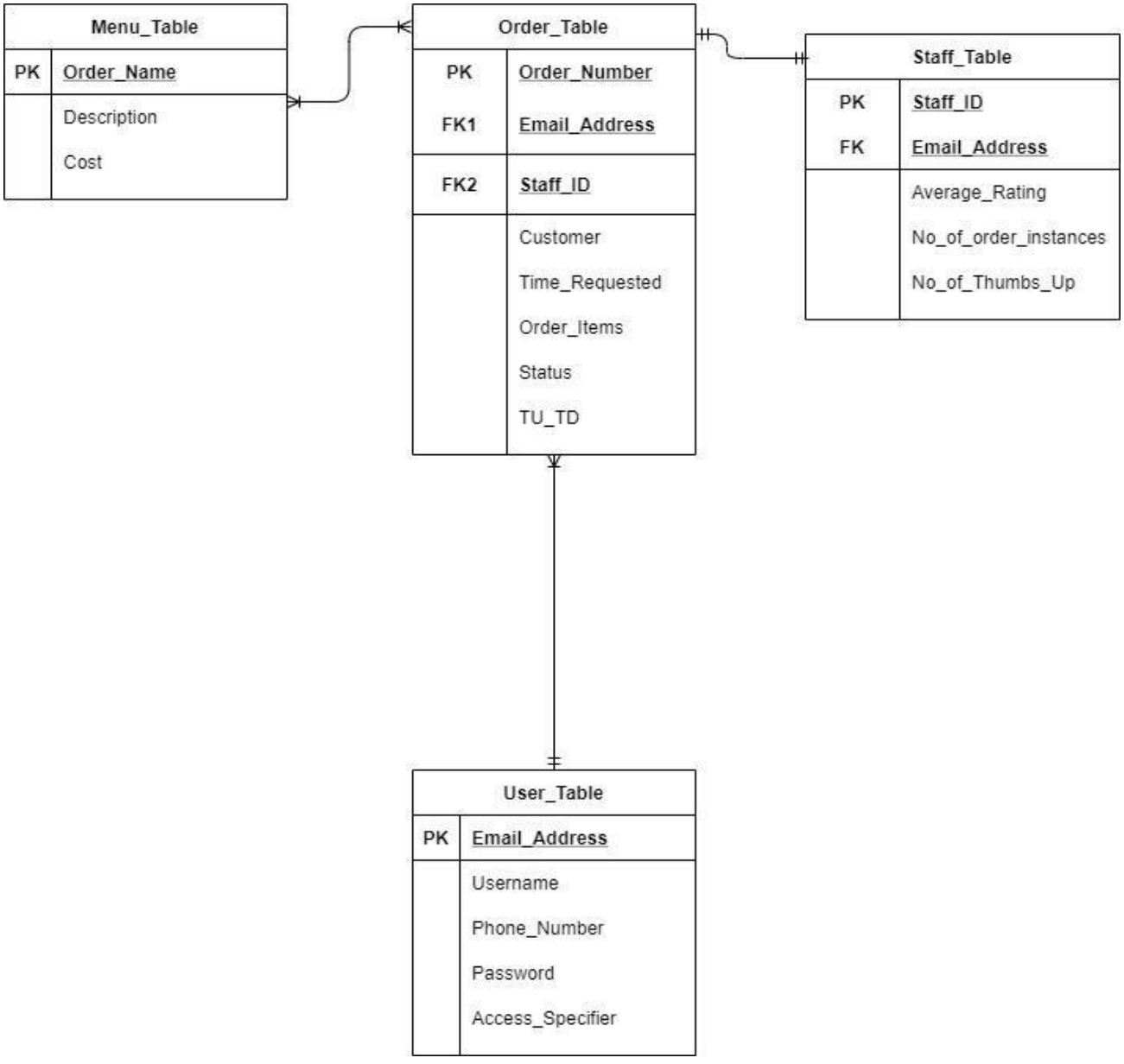
Contents

Introduction

Recent studies show that restaurants that do not have mobile optimized websites or apps with mobile ordering available are losing out on money. Time is a factor that is vital in the life of a human being so going to the restaurant with less energy (because you are hungry 😋) , standing in long queues ,sometimes because people who arrived before you made mistakes in their ordering process ,is time consuming not to mention that it also increases the chance of contracting the covid-19 virus given that the country is facing a pandemic. Mobile apps are user friendly and bring you much closer to m-commerce. Research shows that customers are more likely to make a purchase if you provide them with a favourable effortless and pleasurable experience. The less effort and confusion brought about using an m-commerce app the more pleasurable the experience will be. This is the principle that the ROT app is built on. ROT is an app that allows people to order food from a restaurant in simple, effortless manner.

Business rules and representation

- A customer can place many orders and each order can be placed by one customer.
- A staff member can prepare one order at a time and each order can be prepared by only one staff member.
- A single menu item can be ordered multiple times and each order can consist of multiple menu items.



Tables

```
mysql> DESC MENU_TABLE;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| ORDER_NAME  | varchar(20) | NO   | PRI | NULL    |       |
| DESCRIPTION | varchar(50) | YES  |     | NULL    |       |
| COST        | varchar(5)  | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> DESC ORDER_TABLE;
+----------------+-------------+------+-----+-------------------+-----------------------------+
| Field          | Type        | Null | Key | Default           | Extra                       |
+----------------+-------------+------+-----+-------------------+-----------------------------+
| ORDER_NUMBER   | int(11)     | NO   | PRI | NULL              | auto_increment              |
| CUSTOMER       | varchar(15) | YES  |     | NULL              |                             |
| ORDER_ITEMS    | varchar(100)| YES  |     | NULL              |                             |
| TIME_REQUESTED | timestamp   | NO   |     | CURRENT_TIMESTAMP | on update CURRENT_TIMESTAMP |
| EMAIL_ADDRESS  | varchar(50) | YES  | MUL | NULL              |                             |
| STAFF_ID       | int(11)     | YES  | MUL | NULL              |                             |
| STATUS         | varchar(15) | YES  |     | NULL              |                             |
| TU_TD          | varchar(5)  | YES  |     | NULL              |                             |
+----------------+-------------+------+-----+-------------------+-----------------------------+
8 rows in set (0.00 sec)

mysql> DESC STAFF_TABLE;
+----------------------+-------------+------+-----+---------+----------------+
| Field                | Type        | Null | Key | Default | Extra          |
+----------------------+-------------+------+-----+---------+----------------+
| EMAIL_ADDRESS        | varchar(50) | YES  | MUL | NULL    |                |
| STAFF_ID             | int(11)     | NO   | PRI | NULL    | auto_increment |
| AVERAGE_RATING       | int(3)      | YES  |     | NULL    |                |
| NO_OF_ORDER_INSTANCES| int(11)     | YES  |     | NULL    |                |
| NO_OF_THUMBS_UP      | int(11)     | YES  |     | NULL    |                |
+----------------------+-------------+------+-----+---------+----------------+
5 rows in set (0.00 sec)

mysql> DESC USER_TABLE;
+-----------------+-------------+------+-----+---------+-------+
| Field           | Type        | Null | Key | Default | Extra |
+-----------------+-------------+------+-----+---------+-------+
| USERNAME        | varchar(20) | YES  |     | NULL    |       |
| PHONE_NUMBER    | varchar(20) | YES  |     | NULL    |       |
| EMAIL_ADDRESS   | varchar(50) | NO   | PRI | NULL    |       |
| PASSWORD        | varchar(150)| YES  |     | NULL    |       |
| ACCESS_SPECIFIER| varchar(10) | YES  |     | NULL    |       |
+-----------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```