CHAPTER 4

SYSTEM DESIGN

System design involves 9 tables. The tables are as follows : Customer Table, Category Table, Restaurant Table, Delivery_man Table, Product Table, Payment Table, Orders Table, Serves Tables, Order_Product Table.

4.1 TABLES

```
Database changed
mysql> describe customer;
+-----------+--------------+------+-----+----------------------+-------+
| Field     | Type         | Null | Key | Default              | Extra |
+-----------+--------------+------+-----+----------------------+-------+
| cust_id   | varchar(50)  | NO   | PRI | NULL                 |       |
| password  | varchar(100) | YES  |     | NULL                 |       |
| address   | varchar(50)  | YES  |     | NULL                 |       |
| name      | varchar(50)  | YES  |     | NULL                 |       |
| card_no   | char(16)     | YES  |     | NULL                 |       |
| cvv       | char(3)      | YES  |     | NULL                 |       |
| phone     | char(10)     | YES  |     | NULL                 |       |
| image     | varchar(50)  | YES  |     | defaultprofileimg.jpg |       |
+-----------+--------------+------+-----+----------------------+-------+
8 rows in set (0.00 sec)
```

Fig 4.1 Customer Table

This is the description of the Customer Table.

```
mysql> describe category;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| category_id | int(3)      | NO   | PRI | NULL    |       |
| name        | varchar(20) | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

Fig 4.2 Category Table

This is the description of the Category table.

```
mysql> describe order_product;
+------------+---------+------+-----+---------+-------+
| Field      | Type    | Null | Key | Default | Extra |
+------------+---------+------+-----+---------+-------+
| ord_no     | int(5)  | NO   | PRI | NULL    |       |
| product_id | int(5)  | NO   | PRI | NULL    |       |
| quantity   | int(11) | YES  |     | NULL    |       |
| amount     | int(11) | YES  |     | NULL    |       |
+------------+---------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

Fig 4.3 Order_product Table

This is the Description of the Order_product table.

```
mysql> describe restaurant;
+---------------+--------------+------+-----+---------+-------+
| Field         | Type         | Null | Key | Default | Extra |
+---------------+--------------+------+-----+---------+-------+
| restaurant_id | varchar(50)  | NO   | PRI | NULL    |       |
| password      | varchar(100) | YES  |     | NULL    |       |
| name          | varchar(50)  | YES  |     | NULL    |       |
| address       | varchar(50)  | YES  |     | NULL    |       |
+---------------+--------------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

Fig 4.4 Restaurant Table

This is the description of the Restaurant Table.

```
mysql> describe delivery_man;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| del_man_id | int(5)      | NO   | PRI | NULL    |       |
| name       | varchar(50) | YES  |     | NULL    |       |
| phone      | char(10)    | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

Fig 4.5   Delivery_man Table

This is the description of the Delivery_man Table

```
mysql> describe serves;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| restaurant_id | varchar(50) | NO   | PRI | NULL    |       |
| product_id    | int(5)      | NO   | PRI | NULL    |       |
| price         | int(11)     | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

Fig 4.6 Serves Table

This is the description of the Serves Table.

```
mysql> describe product;
+-------------+-------------+------+-----+---------------------+----------------+
| Field       | Type        | Null | Key | Default             | Extra          |
+-------------+-------------+------+-----+---------------------+----------------+
| product_id  | int(5)      | NO   | PRI | NULL                | auto_increment |
| name        | varchar(50) | YES  | UNI | NULL                |                |
| image       | varchar(50) | YES  |     | defaultproductimg.jpg |              |
| category_id | int(3)      | YES  | MUL | NULL                |                |
+-------------+-------------+------+-----+---------------------+----------------+
4 rows in set (0.00 sec)
```

Fig 4.7   Product Table

This is the description of the Product Table.

```
mysql> describe payment;
+------------+-------------+------+-----+---------+----------------+
| Field      | Type        | Null | Key | Default | Extra          |
+------------+-------------+------+-----+---------+----------------+
| payment_id | int(5)      | NO   | PRI | NULL    | auto_increment |
| mode       | varchar(10) | YES  |     | NULL    |                |
| amount     | int(11)     | YES  |     | NULL    |                |
| cust_id    | varchar(50) | YES  | MUL | NULL    |                |
+------------+-------------+------+-----+---------+----------------+
4 rows in set (0.00 sec)
```

Fig 4.8   Payment Table

This is the description of the Payment Table.

```
mysql> describe orders;
+---------------+-------------+------+-----+---------+----------------+
| Field         | Type        | Null | Key | Default | Extra          |
+---------------+-------------+------+-----+---------+----------------+
| ord_no        | int(5)      | NO   | PRI | NULL    | auto_increment |
| cust_id       | varchar(50) | YES  | MUL | NULL    |                |
| del_man_id    | int(5)      | YES  | MUL | NULL    |                |
| ord_date      | date        | YES  |     | NULL    |                |
| ord_time      | time        | YES  |     | NULL    |                |
| restaurant_id | varchar(50) | YES  | MUL | NULL    |                |
+---------------+-------------+------+-----+---------+----------------+
6 rows in set (0.01 sec)
```

Fig 4.9 Orders Table

This is the description of the Orders Table.