**Part 1:Data Mart Design**

1. Documented Schema



1. Subject-areas covered by your data mart

The data mart schema covers areas such as the orders placed by the customers on the given date and more detailed details of the order are covered such as the discount type applied, number of items ordered by the customer, payment type(card/cash),staff that took the order, order type ie App, Walkin or Phone order and delivery type ie Pick up, delivery.

In addition, the total amount due with the menu items ordered are the areas covered by the data mart schema.

1. Satisfaction of information analysis
2. Given customer phone number the total purchase amount for the given date or for the date range can be analysed.
3. The menu item that is most and least popular within the given date range.
4. It is possible to find the peak ordering time for a day, week , month or year.
5. Specific order details related to a customer can be extracted using date etc.
6. 5 examples of analysis queries

1.Find the total sales amount for the given date range say quarterly, half-yearly ,annually.

2.What menu item tops the list on the number of times ordered.(maximum times ordered).?

3. Customer specific data can be queried such as preferred delivery type, total sales amount, menu items frequently ordered etc.

4. Busiest day of the business for the given week, month, year in terms of sales and number of orders placed.

5. Query discount amount given for the specific discount program for the date range such as quarterly, half yearly or yearly and the staff who gives the most amount of discounts ?