

CS 387 Project

Team Members:

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Type of Project:

Restaurant Management System

Building an information system (DB application)

1. The application maintains the catalog for the list of food and beverage items that the restaurant provides.
2. Users can have the access to track ingredients purchased, dishes cooked and the ingredients used in each dish for the day.
3. Application can also be designed to show the statistics of food types consumed in some specific period of time
4. It can take the feedback from the user to improve the quality of food
5. The application provides tables on premises for which occupancy data needs to be tracked by the time of day and day of the week.
6. Apart from providing food facilities at their own premises, the restaurant takes orders online through their site.
7. Delivery estimated time can be calculated based on the distance between the area pin code
8. Orders on the phone are also entertained. A good UI compatible with all types of devices can be made available for online booking of food and tables.
9. To deliver the orders, they have delivery people. Each delivery person is assigned to a specific set of area codes as primary codes and a set of area codes as secondary codes.
10. Each area code can be served by more than one delivery person The customer record is maintained so that premium customers can be awarded discounts.
11. Application is used to provide discounts to premium users based on their previous purchases
12. Users will have all the information about the restaurant on-hand available for instantaneous purchase and cancellation

Relevant Topics:

1. SQL queries, relational queries to handle data to and from the database
2. ER diagrams to create schemas and tables and the dependencies between relations.
3. Partitioning data into different tables(categories)
4. Statistical database and queries

Plan:

Plan	Deadline
Team formation, the first sketch of the project requirements defining scope	7th March
Requirements and ER diagram	20th March
Normalized schema, DDL, SQL queries for the data	1st April
Testing of the DB application system	1st April
Submission of GitHub repo which includes the detailed report - requirements, designs, test results, and conclusions	20th April