

Project Name: Online Restaurant Management System

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Deliveries:

1. Data Description: a) Select a subject area on which you wish to build a database. Write approximately one paragraph that gives a general description / background information on that subject area. b) List 20 questions (in English) that someone might want to ask about the domain. c) Describe what source you intend to use for data, and *how you intend to ingest the data into your database*. You should choose a subject area where you can easily get several hundred rows of data.

Subject area:

Online Restaurant Management System is a web application. This system helps in automating day to day activity of a restaurant. Restaurant is a kind of business that serves people with ready-made food. This system helps in providing service facilities to restaurant and also to the customers. This online restaurant management system can be used by employees in a restaurant to handle the customers, their orders and can help them easily find free tables or place orders. The services that are provided are food ordering, reservation table management by the customer through this system, customer/waiter information management, menu information management and report. After a successful login the customer can access the menu page with the items listed according to the desired time. The main point of this system is to help restaurant administrator manage the restaurant business and help customers for online ordering and reserving tables. Users can search for a menu according to their choice i.e. according to price range and category of food and later they can order a meal.

Questions someone might want to ask about the domain/database (we will translate 20 of these 23 listed below):

1. Who are all the chefs in this restaurant?
2. How much salary does the chef make?
3. What are the names of the suppliers?
4. What is the address of a particular supplier?
5. Customer details such as name or address or phone number?
6. Which waiter served a particular customer?
7. What is the price of a particular meal?
8. Which chef prepares a particular dish?
9. Which customer ordered which meal?
10. What are all the ingredients used in a particular meal?
11. What are all the dishes that use a particular ingredient?
12. Which ingredient is supplied by which supplier?
13. What are all the ingredients supplied by a particular supplier?
14. What are the cheapest meals that cost less than \$20?
15. How many customers did a particular waiter serve?

16. How many meals did a particular chef prepare?
17. What are all the ingredients a chef uses?
18. What are the dishes that a particular customer orders?
19. If any particular supplier goes bankrupt, which meals are affected?
20. Who are all the chefs who can prepare Japanese dishes?
21. Who are all the chefs that have more than 10 years of experience?
22. Who are the most expensive waiters (highest salary)?
23. Which waiter is the least experienced in the restaurant and display the salary of that (those) waiter(s).

Source of the data and how we plan to load it into database:

We intend to take the data from any online restaurant and if that data does not have enough attributes available publicly, we will add some of our own data to answer the questions we listed above. For example: we will not find who is the chef for a meal, their salaries, or their suppliers. All these details are usually confidential and we have to create our own data for these attributes.

We plan to load the data via csv files.