Restaurant Management DB

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<https://github.com/UdayVajram/Restaurant-Database.git>

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# **Week 1**

I have created a business application database called "Dining app" that I created to store all the information that I need to take orders from customers. I need to make a database that keeps track of all the information about customers, employees, and the restaurant's food menu and dining layout. I need to make sure that all of this information is stored in a way that makes it easy for users to find it. In the beginning, my goal is to get into the system. To get into the system, only employees should be able to get in with their login credentials, and then their orders should be kept track of. Later, when an employee logs into the system, the restaurant seating layout should show up. This way, the customer's name, order type, choice of dining, age, and loyalty of the customers can be tracked, so they can get complimentary things. Later, the next table layout should hold the order value, which is where I want to store the entire food menu with the type of cuisine it is. This table should hold the order value. The employee should be able to figure out how old the customers are in order to serve alcohol. It's also important to keep an eye on the food stock option so that customers don't have to wait for the food they want. Finally, the store manager or owner should be able to figure out what to do when there's not enough food.

All these data are tracked to keep an eye of most selling dishes. Once these most selling dishes is listed, it will be easy to recommend it to the customers, when the customers are indecisive to order.

# **Week 2**

In this Week's assignment, I created a database for my Dining App idea. Here, I've created 5 different charts, each with at least 3 or more attributes and at least 3 tuples to display the data records.

Note: In this report, I've used a format that looks something like this**: Name (Datatype (Length))**

In my 1st table called

**Customer\_details**

I have created 4 attributes with some records like

|  |  |  |  |
| --- | --- | --- | --- |
| Customer Name (**Varchar** (**100**)) | Mode of Dining (**Varchar** (**100**)) | Order Type (**Varchar** (**100**)) | Order Number/Bill (**Int** (**255**)) |

**Employment Information:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Employee Name (**Varchar** (**100**)) | Employee Id (**Int** (**255**)) | Age (**Int** (**255**) | Place of Work (**Varchar** (**100**)) | Hours/Week (**Int** (**255**)) |

**Kitchen Backend:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Stock (**Int** (**255**)) | Unit (**Int** (**255**)) | total orders (**Int** (**255**)) | Customer Loyalty (**Boolean(100))** | Veg or Non-Veg (**Int** (**255**)) |

**Restaurant Frontend:**

|  |  |  |  |
| --- | --- | --- | --- |
| Table Number (**Int** (**255**)) | No of Guests (**Int** (**255**)) | Employee Id (**Int** (**255**)) | Choice of Cuisine (**Int** (**255**)) |

**Menu:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Appetizers (**Int** (**255**)) | Entrée (**Int** (**255**)) | Sides (**Int** (**255**)) | Desserts (**Int** (**255**)) | Beverages (**Int** (**255**)) | Kids Menu (**Int** (**255**)) |

The above tables are created with at least 3 tuples of record to understand the database.

# **Week 3**

In this Week assignment I have established a relationship in between tables by using both vertabelo and UMLET for my Restaurant Management DB.

Diagram

Description automatically generated

**ER Diagram – Crow’s Foot Model with vertabelo:**

Diagram

Description automatically generated