Jayden Allen

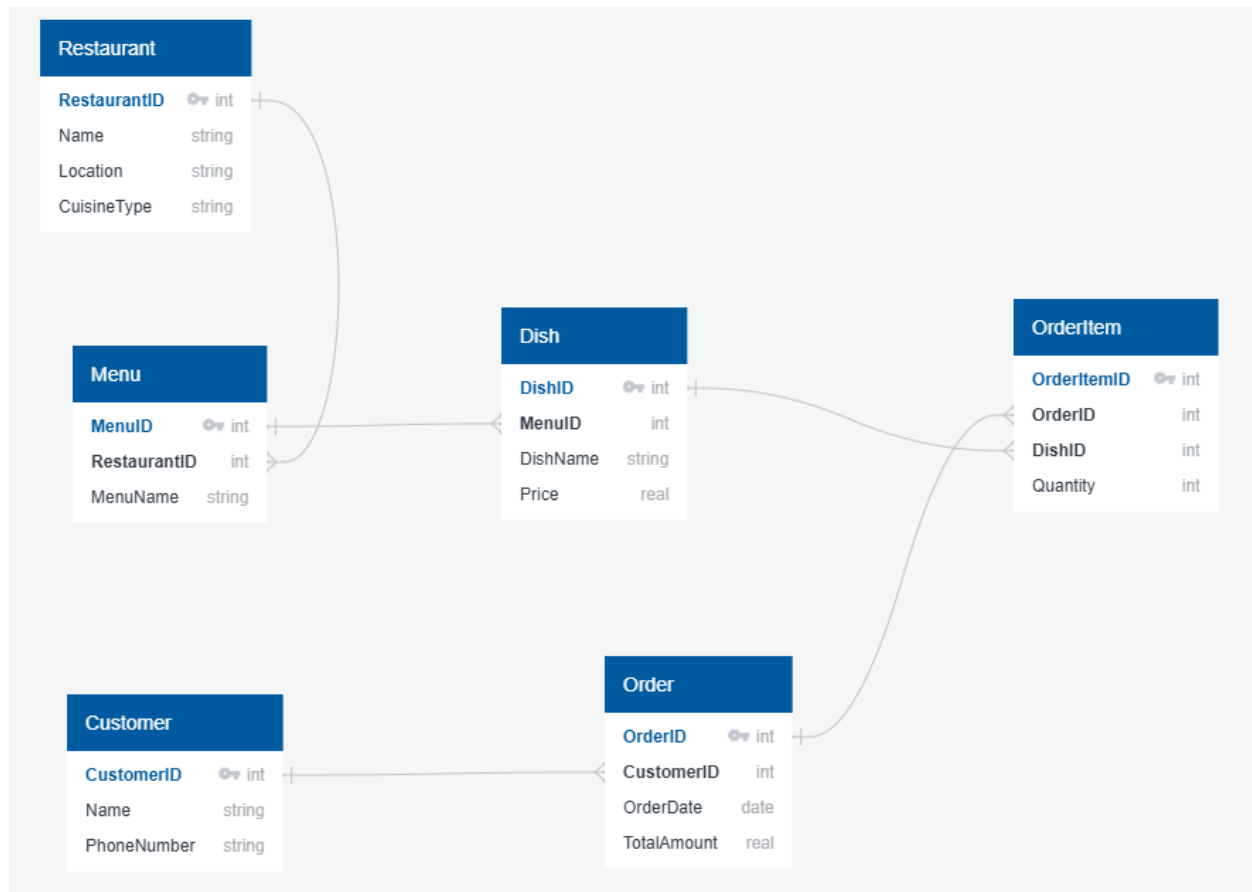**Restaurant Management**

The Restaurant Management Database is designed to help restaurants manage menus, dishes, orders, and customers.

Queries I thought it did well on:

"What dishes are available on the Dinner Menu?"

SQL Response

SELECT DishName FROM Dishes

JOIN Menus ON Dishes.MenuID = Menus.MenuID

WHERE Menus.MenuName = 'Dinner Menu';

Response:

DishName

Grilled Salmon

Steak Frites

Query that did not go well:

"List all customers who have ordered a dish priced above $20."

SQL Response

SELECT Customers.Name

FROM Customers

JOIN Orders ON Customers.CustomerID = Orders.CustomerID

JOIN OrderItems ON Orders.OrderID = OrderItems.OrderID

JOIN Dishes ON OrderItems.DishID = Dishes.DishID

WHERE Dishes.Prices > 20;

Response

There is no such column: Dishes.Prices

Strategies I used:

Zero Shot

I tried asking the mdel to generate the SQL query directly from the question without additional context or schema details like, "What dishes are available on the Dinner Menu?". This gave a reasonable SQL query, but more complex questions failed without schema prompts.

Single Domain

I also tried providing ChatGPT with the database schema and asking questions about it. This worked well for more complex queries, but mostly when I provided the correct schema. Incorrect user input could create problems.

Cross-Domain

I also tried asking Chat gpt to combine lots of information from different tables. The more joins I asked for, the more often there were incorrect responses.