MIS 766 - Database Management Semester Project

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1 - Description of Company

BINIM Fusion is a multicultural restaurant that was created after six friends from Brazil, Iran, Nepal, India, and Mexico decided to bring a fusion of flavors from various cultures to Las Vegas back in 2015. The primary inspiration for the innovative menu of the restaurant was the city's diverse population. Over the period of two months, the restaurant gradually grew from being a hole-in-the-wall to a staple destination on the Las Vegas Strip. This multicultural restaurant is home to a blend of different cuisines, ranging from Central South Asia to North and South America. These different tastes and the mixture of the flavors is what makes BINIM distinct from all other restaurants in the city. BINIM's owners and chefs deeply understand the cuisines they work with and how to effectively combine the flavors to fabricate a one-of-a-kind dining experience for residents and tourists. BINIM harmonizes sweet, salty, sour, bitter, tropical and umami taste elements in an unparalleled way to satisfy any craving. The restaurant features a sophisticated and intimate atmosphere which is complemented by the sumptuous menu of gourmet dishes that is perfect for any special occasion. The two main objectives of BINIM Fusion is to create a memorable dining experience for each of the guests and to celebrate diversity and uniqueness in different cultures.

2 - Problem definition and analysis

Restaurant success and longevity are the goals of any ambitious restaurateur. The process of reaching such a goal may have obstacles. The main obstacle BINIM currently faces is accurately keeping track of inventory as they currently do not have the means to do so. There are problematic ramifications of not being able to track inventory in a proper manner.

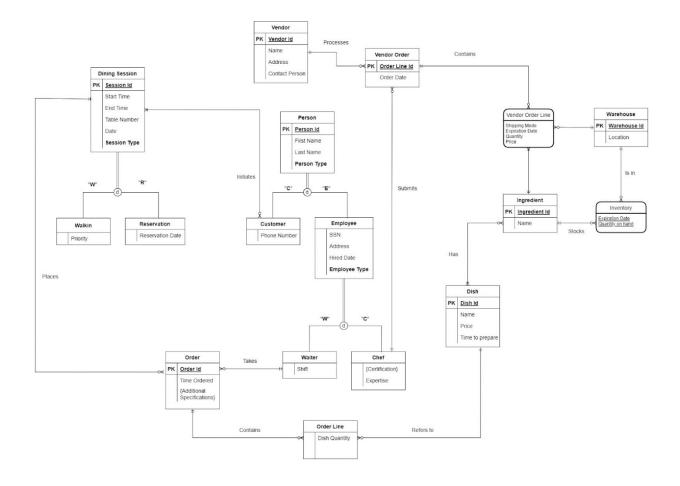
Primarily, not having an accurate inventory of ingredients can impact the availability of dishes on the menu. It can be difficult for a restaurant to succeed if it continuously fails its customers. If the customers enter a restaurant expecting to order one thing but end up with

another, the reputation of the restaurant can be negatively impacted. Having a negative reputation can detract existing and potential customers from dining at a restaurant, therefore jeopardizing its prosperity.

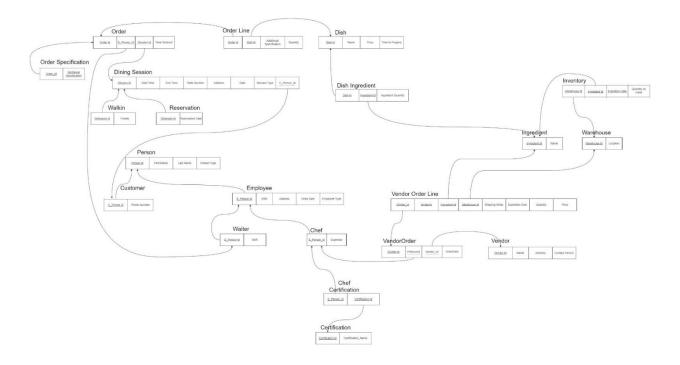
On the other hand, a restaurant could face the opposite issue where instead of understocking, they overstock. This excess of supply can be costly. Perishing food items represent the lost opportunity to please patrons while gaining revenue. Reducing food waste will help save resources that could be better utilized elsewhere. In addition to saving money, reducing waste can also have a positive environmental impact. Anything from production to transportation to the decomposition of food items releases greenhouse gasses into the environment. Keeping a better track of inventory can reduce the restaurant's carbon footprint while also keeping costs low.

As a means to target the issues illustrated above, BINIM would benefit from the use of a database. Ideally, the database would work as the perfect tool for BINIM to track its inventory. The database would facilitate the retrieval of inventory information and it would also facilitate updating such information. The restaurant would no longer have to use pen and paper to track its available items. Ultimately, by keeping updated information in the database, the restaurant will be able to increase their efficiency, and reduce food waste and costs.

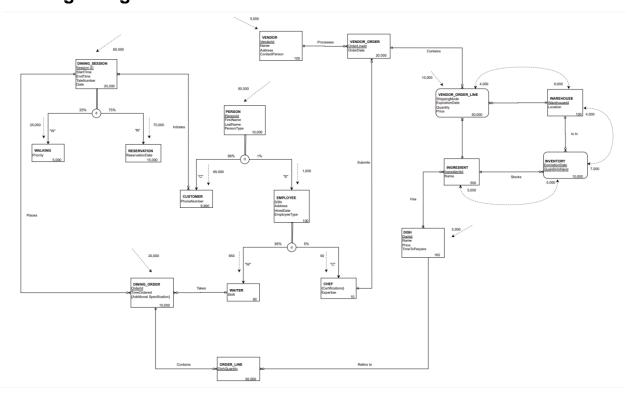
3 - Logical Database Design



4 - Physical Database Design



5 - Usage Diagram



6 - Query Design

```
-- Get the list of all the ingredients that are running low:
SELECT i.name, SUM(inv.quantityOnHand) AS total_quantity
FROM ingredient i
JOIN inventory inv ON i.ingredientId = inv.ingredientId
GROUP BY i.ingredientId
HAVING total_quantity < 100;</pre>
```

| name | total_quantity |
|----------------|----------------|
| Onion | 97 |
| Orange Wedges | 92 |
| Black-Eyed Pea | 85 |
| Coriander | 94 |
| Chicken Thigh | 91 |
| Breadcrumb | 99 |
| Walnuts | 88 |
| Sugar | 84 |
| Cinnamon | 90 |
| Egg | 80 |
| Rosewater | 82 |
| Pistachio | 95 |
| Lime | 99 |

The query above—which gives a list of all ingredients that are running low—is crucial for the daily operations of the restaurant. The output of this query allows the restaurant to place a food order based on the items it needs the most.

```
-- calculate the total revenue generated by a particular dish:

SELECT d.name, SUM(ol.quantity * d.price) AS total_revenue

FROM dish d

JOIN order_line ol ON d.dishId = ol.dishId

GROUP BY d.dishId

HAVING d.name = 'Tacos';

name total_revenue

Tacos 1150.72
```

The query above calculates the total revenue generated by a particular dish, in this case, tacos. This query can be helpful in gauging consumers' willingness to pay for particular dishes. If the restaurant chooses to raise prices in the future, they can use this query to compare consumer demand before and after price changes.

```
-- What is the busiest day of the week and how many total sessions that day?

SELECT DAYNAME(startTime) as dayOfWeek, COUNT(*) as numSessions

FROM dining_session

GROUP BY dayOfWeek

ORDER BY numSessions DESC

LIMIT 1;

dayOfWeek numSessions

Saturday 140
```

The query above retrieves the busiest day of the week based on the number of sessions on that particular day. This query can be used to form the employees' schedules. If the restaurant is historically busiest on Saturdays, then the restaurant should make sure to be fully staffed on those days. In addition,

the restaurant should also be fully stocked on necessary ingredients before the busiest day to avoid the risk of not being able to offer certain dishes and best satisfy the customers.

```
-- Get a list of top 5 dishes ordered

SELECT d.name, COUNT(*) AS order_count

FROM dish d

INNER JOIN order_line ol ON ol.dishId = d.dishId

INNER JOIN dining_order o ON o.orderId = ol.orderId

INNER JOIN dining_session ds ON ds.sessionId = o.sessionId

GROUP BY d.dishId

ORDER BY order_count DESC

LIMIT 5;
```

| name | order_count |
|-------------------------|-------------|
| Tamales | 49 |
| Mexican Tacos Al Pastor | 45 |
| Brazilian Coxinha | 44 |
| Momo | 44 |
| Loobia Polo | 43 |

The query above generates a list of the top five dishes ordered in the restaurant. This output allows the restaurant to gauge consumer demand and track any trends that may occur over time.

```
-- Get the name and phone number of all the customers who have made a reservation:

SELECT Distinct(CONCAT(p.firstName, ' ', p.lastName)) as Name, c.phoneNumber

FROM person p

INNER JOIN customer c ON c.customerId = p.personId

INNER JOIN dining_session d ON d.customerId = p.personId

INNER JOIN reservation r ON r.reservationId = d.sessionId;
```

| Name | phoneNumber |
|------------------|--------------|
| Jose Baker | 311-377-1589 |
| Susan Collins | 097-352-9602 |
| Luis Lopez | 553-122-3206 |
| Jamie Fernandez | 539-176-4940 |
| Brian Woodard | 961-257-8629 |
| Phillip Garcia | 024-723-3028 |
| Michael Mann | 414-288-9807 |
| Kayla Melendez | 360-849-1049 |
| Matthew Li | 384-651-9809 |
| Lisa Dawson | 486-285-8865 |
| Timothy Williams | 134-040-7303 |
| Rachel Green | 270-128-2476 |
| Wendy Haynes | 824-101-3511 |
| Megan Wilkinson | 446-040-6598 |
| Adam Hamilton | 744-071-9113 |
| Kristin Smith | 586-376-6107 |
| Theresa Carlson | 269-386-0922 |
| Douglas Gibson | 668-641-3961 |
| Derek Ford | 376-169-5627 |
| Clarence Brown | 745-342-3731 |
| George Owens | 738-335-2265 |
| Pamela Smith | 301-443-5837 |
| Karen Downs | 076-426-0479 |
| Tracy Burke | 192-743-3367 |
| Krista Garcia | 767-342-9869 |
| Wanda Gomez | 459-233-9422 |
| | |

The query above generates a list of customers who have made a reservation and provides their phone numbers. This query can be extremely beneficial for customer service. If there is an issue or a better accommodation for customers, the restaurant can easily contact them in a time efficient manner.

```
-- Get a list of a specific dish on the menu along with their ingredients and quantities.
SELECT d.Name as dishName, i.Name as ingredientName, di.ingredientQuantity
FROM dish d
JOIN dish ingredient di ON d.dishId = di.dishId
JOIN ingredient i ON di.ingredientId = i.ingredientId
WHERE d.Name = 'Brazilian Feijoada';
                ingredientName ingredientQuantity
Brazilian Feijoada Black Bean
Brazilian Feijoada Pork Shoulder 2
Brazilian Feijoada Bacon
Brazilian Feijoada Smoked Sausage 1
Brazilian Feijoada Onion 1
Brazilian Feijoada Garlic 4
Brazilian Feijoada Bay Leaf 2
Brazilian Feijoada Salt 1
Brazilian Feijoada Pepper
Brazilian Feijoada Orange Wedges 2
Brazilian Feiioada Rice
Brazilian Feijoada Farofa 1
Brazilian Feijoada Cilantro
```

The query above generates a list of ingredient names and corresponding quantities for specific dishes. It can be beneficial for employees in training to be able to correctly retrieve and prepare ingredients for different dishes.

```
-- Which top 10 dishes are generating the most revenue?
SELECT
 dish.name,
 SUM(order_line.quantity) AS totalQuantity,
 SUM(order_line.quantity * dish.price) AS totalRevenue
JOIN order line ON order line.dishId = dish.dishId
GROUP BY dish.dishId
ORDER BY totalRevenue DESC
LIMIT 10;
                     totalQuantity totalRevenue
name
                     142 1986.58
Indian Butter Chicken 128 1918.72
Momo 166 1824.34
Loobia Polo 151 1810.49

        Mexican Tacos Al Pastor
        150
        1798.50

        Biriyani
        134
        1740.66

Iranian Kabab Koobideh 115
                                  1723.85
Brazilian Feijoada 131 1701.69
                                  1638.36
Tamales
Iranian Fesenjan 116 1622.84
```

The query above generates a list of the top ten dishes in the restaurant based on revenue. This query can be helpful in gauging customers' willingness to pay for particular dishes. If the restaurant chooses to raise prices in the future, they can use this query to compare consumer demand before and after price changes. This query can also be used by the restaurant to highlight the crowd-pleasing dishes and recommend them to indecisive or new customers.

```
-- What are the 10 least selling dishes in the restaurant?

SELECT dish.name, SUM(order_line.quantity) AS totalQuantity FROM dish

JOIN order_line ON order_line.dishId = dish.dishId

GROUP BY dish.name

ORDER BY totalQuantity ASC

LIMIT 10;
```

| name | totalQuantity |
|-------------------------|---------------|
| Jericalla | 77 |
| Indian Saag Paneer | 90 |
| Yomari | 102 |
| Brazilian Brigadeiro | 111 |
| Iranian Kabab Koobideh | 115 |
| Gulab Jaman | 116 |
| Iranian Fesenjan | 116 |
| Mexican Chiles Rellenos | 120 |
| Iranian Shir Berenj | 125 |
| Tacos | 128 |

The query above generates a list of the ten least popular dishes offered in the restaurant. The information it provides about the restaurant is important as it may mean several things. The lack of demand for these ethnic dishes may be due to one or several factors such as: authenticity, poor quality, fear of the unknown, tastes and preferences, etc. The restaurant employees can use the query to pinpoint potential issues in their dishes.

```
-- How much inventory is currently in stock?

SELECT ingredient.name, SUM(inventory.quantityOnHand) as total_quantity

FROM inventory

JOIN ingredient ON inventory.ingredientId = ingredient.ingredientId

GROUP BY inventory.ingredientId;
```

| name | total_quantity |
|----------------|----------------|
| Black Bean | 218 |
| Pork Shoulder | 200 |
| Bacon | 123 |
| Smoked Sausage | 127 |
| Onion | 97 |
| Garlic | 229 |
| Bay Leaf | 217 |
| Salt | 186 |
| Pepper | 118 |
| Orange Wedges | 92 |
| Rice | 113 |
| Farofa | 178 |
| Cilantro | 136 |
| | |

The query above generates a list of ingredients and their corresponding quantities. This query keeps track of inventory and helps the staff choose appropriate quantities when ordering new ingredients.

```
-- Which employee has the most number of order?
SELECT CONCAT(person.firstName, ' ', person.lastName) as employee_name, COUNT(*) as total_sales
FROM dining order
JOIN waiter ON dining_order.waiterId = waiter.waiterId
JOIN employee ON waiter.waiterId = employee.employeeId
JOIN person ON employee.employeeId = person.personId
GROUP BY dining_order.waiterId
ORDER BY total_sales DESC;
employee_name total_sales
Charles Perez
              97
Steven Golden 94
Tyler Jimenez 93
Joe Sullivan 91
Albert Mcdonald 90
Melissa Reyes 90
John Scott
             88
Allison Dunn 86
Timothy Parsons 83
```

The query above generates a list of employees and their total sales ordered from the highest number of orders to the lowest. This query can help determine which employees should receive additional compensation in the form of a bonus if the opportunity presents itself.

```
-- Get a list of all dishes and their price on the menu that contain a certain type of meat.
SELECT DISTINCT d.Name, d.price,
 CASE
   WHEN i.Name LIKE '%pork%' THEN 'pork'
   WHEN i.Name LIKE '%beef%' THEN 'beef'
   WHEN i.Name LIKE '%chicken%' THEN 'chicken'
   WHEN i.Name LIKE '%sausage%' THEN 'sausage'
   ELSE 'unknown'
 END AS meat_type
FROM dish d
JOIN dish_ingredient di ON d.dishId = di.dishId
JOIN ingredient i ON di.ingredientId = i.ingredientId
WHERE i.Name LIKE '%pork%' OR i.Name LIKE '%beef%' OR i.Name LIKE '%chicken%' OR i.Name LIKE '%sausage%' OR i.Name LIKE '%lamb%';
             price meat_type
Name
Brazilian Feijoada
                    12.99 pork
Tamales 9.99 pork
Mexican Tacos Al Pastor 11.99 pork
Brazilian Feijoada 12.99 sausage
Iranian Kabab Koobideh 14.99 beef
Loobia Polo 11.99 beef
Momo
                   10.99 beef
Tamales 9.99 beef
                    8.99
Mexican Chiles Rellenos 11.99 beef
Biriyani 12.99 chicken
Tandoori Chicken 13.99 chicken
Indian Butter Chicken 14.99 chicken
Iranian Fesenjan 13.99 chicken
```

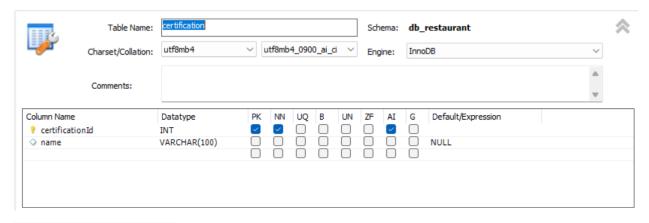
The query above generates a list of dishes, their price, and the type of meat they contain. This query is beneficial for pricing information and menu expansion considerations. Markets for different types of meat can face shocks that raise prices. For example, if the market for poultry faces a shock that raises prices, the restaurant can increase prices on the dishes that have "chicken" listed as a meat type. Also, if the restaurant ever considers expanding the menu, they can use this query to include dishes with meat types that are not dominant in the output in order to offer customers more flavor options.

Brazilian Coxinha

9.99 chicken

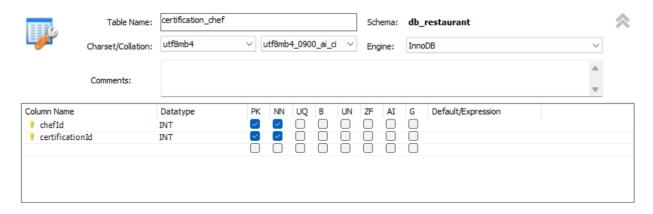
7. Database Implementation with MySQL

CERTIFICATION



| | certificationId | name |
|---|-----------------|-----------|
| • | 1 | Brazilian |
| | 2 | Mexican |
| | 3 | Iranian |
| | 4 | Nepalese |
| | 5 | Indian |
| | NULL | NULL |

CERTIFICATION_CHEF



| | chefId | certificationId |
|---|--------|-----------------|
| • | 29 | 1 |
| | 29 | 2 |
| | 30 | 3 |
| | 30 | 4 |
| | 31 | 5 |

CHEF



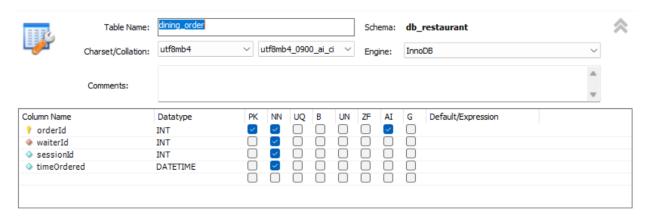
| | chefId | expertise |
|---|--------|-----------|
| • | 29 | Brazilian |
| | 30 | Mexican |
| | 31 | Iranian |
| | NULL | NULL |

CUSTOMER



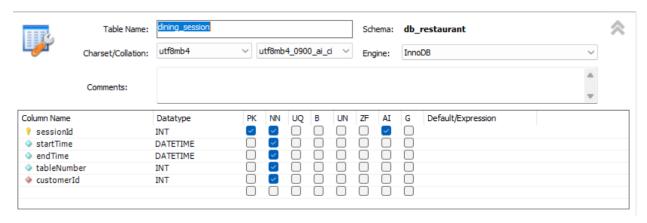
| | customerId | phoneNumber |
|-------------|------------|--------------|
| > | 1 | 311-377-1589 |
| | 2 | 097-352-9602 |
| | 3 | 553-122-3206 |
| | 4 | 539-176-4940 |
| | 5 | 961-257-8629 |
| | 6 | 024-723-3028 |
| | 7 | 414-288-9807 |
| | 8 | 360-849-1049 |
| | 9 | 384-651-9809 |
| | 10 | 486-285-8865 |
| | 11 | 134-040-7303 |
| | 12 | 270-128-2476 |
| | 13 | 824-101-3511 |
| | 14 | 446-040-6598 |
| | 15 | 744-071-9113 |
| | 16 | 586-376-6107 |
| | 17 | 269-386-0922 |

DINING_ORDER



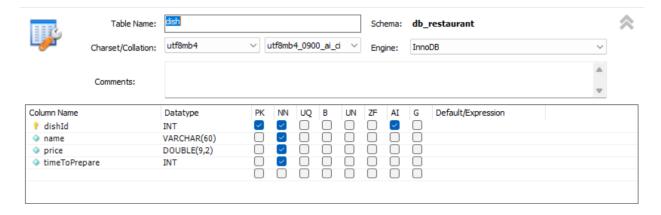
| | orderId | waiterId | sessionId | timeOrdered |
|---|---------|----------|-----------|---------------------|
| • | 1 | 35 | 1 | 2023-04-14 13:21:38 |
| | 2 | 40 | 2 | 2023-04-26 12:47:07 |
| | 3 | 36 | 3 | 2023-04-09 09:09:34 |
| | 4 | 34 | 4 | 2023-04-06 21:04:50 |
| | 5 | 35 | 5 | 2023-04-04 16:46:33 |
| | 6 | 32 | 6 | 2023-04-23 11:56:53 |
| | 7 | 32 | 7 | 2023-04-25 06:53:15 |
| | 8 | 36 | 8 | 2023-04-03 15:14:53 |
| | 9 | 34 | 9 | 2023-04-17 09:55:45 |
| | 10 | 38 | 10 | 2023-04-09 03:03:44 |
| | 11 | 40 | 11 | 2023-04-15 17:03:38 |
| | 12 | 39 | 12 | 2023-04-04 01:54:32 |
| | 13 | 36 | 13 | 2023-04-27 08:45:50 |
| | 14 | 37 | 14 | 2023-04-03 14:35:54 |
| | 15 | 40 | 15 | 2023-04-24 15:41:57 |
| | 16 | 36 | 16 | 2023-04-28 20:55:34 |
| | 17 | 40 | 17 | 2023-04-14 23:38:17 |

DINING_SESSION



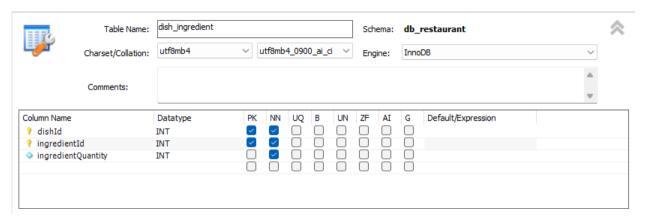
| | sessionId | startTime | endTime | tableNumber | customerId |
|----------|-----------|---------------------|---------------------|-------------|------------|
| • | 1 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 4 | 1 |
| | 2 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 11 | 2 |
| | 3 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 2 | 3 |
| | 4 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 12 | 4 |
| | 5 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 7 | 5 |
| | 6 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 3 | 6 |
| | 7 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 14 | 7 |
| 1 | 8 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 10 | 8 |
| 9 | 9 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 14 | 9 |
| | 10 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 10 | 10 |
| | 11 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 10 | 11 |
| | 12 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 15 | 12 |
| | 13 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 6 | 13 |
| | 14 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 22 | 14 |
| | 15 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 11 | 15 |
| | 16 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 21 | 16 |
| | 17 | 2023-04-01 00:00:00 | 2023-04-01 00:00:00 | 4 | 17 |

DISH



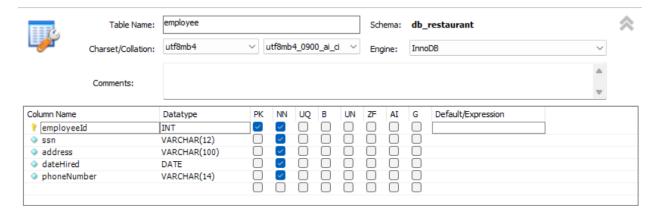
| | dishId | name | price | timeToPrepare |
|---|--------|--------------------------------|-------|---------------|
| • | 1 | Brazilian Feijoada | 12.99 | 90 |
| | 2 | Baião De Dois (Beans And Rice) | 9.99 | 60 |
| | 3 | Iranian Kabab Koobideh | 14.99 | 75 |
| | 4 | Loobia Polo | 11.99 | 60 |
| | 5 | Daal Bhat (Lentils And Rice) | 8.99 | 45 |
| | 6 | Momo | 10.99 | 50 |
| | 7 | Biriyani | 12.99 | 80 |
| | 8 | Tandoori Chicken | 13.99 | 70 |
| 9 | 9 | Tamales | 9.99 | 55 |
| | 10 | Tacos | 8.99 | 40 |
| | 11 | Indian Butter Chicken | 14.99 | 85 |
| | 12 | Mexican Tacos Al Pastor | 11.99 | 70 |
| | 13 | Nepalese Momo | 10.99 | 60 |
| | 14 | Brazilian Coxinha | 9.99 | 50 |
| | 15 | Iranian Fesenjan | 13.99 | 80 |
| | 16 | Nepalese Chana Masala | 10.99 | 55 |
| | 17 | Indian Saag Paneer | 12.99 | 70 |

DISH_INGREDIENT



| | dishId | ingredientId | ingredientQuantity |
|---|--------|--------------|--------------------|
| • | 1 | 1 | 2 |
| | 1 | 2 | 2 |
| | 1 | 3 | 1 |
| | 1 | 4 | 1 |
| | 1 | 5 | 1 |
| | 1 | 6 | 4 |
| | 1 | 7 | 2 |
| | 1 | 8 | 1 |
| | 1 | 9 | 1 |
| | 1 | 10 | 2 |
| | 1 | 11 | 2 |
| | 1 | 12 | 1 |
| | 1 | 13 | 1 |
| | 2 | 3 | 1 |
| | 2 | 5 | 1 |
| | 2 | 6 | 3 |
| | 2 | 13 | 1 |

EMPLOYEE



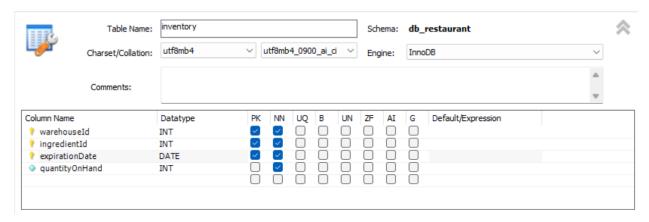
| | employeeId | ssn | address | dateHired | phoneNumber |
|---|------------|-------------|----------------------------------|------------|--------------|
| ١ | 29 | 051-19-2546 | 84857 Smith Center North Sama | 2019-06-28 | 566-561-0847 |
| | 30 | 789-83-0696 | 625 Gregory Shore Apt. 478 Wel | 2008-05-30 | 024-474-7753 |
| | 31 | 551-60-9680 | 740 Wells Skyway Hayesmouth, | 2015-03-11 | 489-588-5119 |
| | 32 | 151-57-3937 | 76999 Melton Center Apt. 275 N | 2012-03-19 | 258-533-0176 |
| | 33 | 838-70-4284 | 6826 Jose Cove Apt. 124 Reidsh | 1993-11-07 | 463-777-1252 |
| | 34 | 166-34-8725 | 19391 Manning Manors Apt. 054 | 2016-01-07 | 977-918-6401 |
| | 35 | 663-14-0858 | 13725 Anderson Glen New Jaso | 1997-09-10 | 677-673-9684 |
| | 36 | 241-85-3636 | USS Parks FPO AE 35581 | 1995-02-18 | 159-173-5293 |
| | 37 | 694-64-9048 | 04831 Adam Stravenue Palmerm | 1973-02-14 | 647-689-7708 |
| | 38 | 086-69-4607 | 856 Elizabeth Haven Johnstonvill | 2017-04-16 | 694-499-6241 |
| | 39 | 528-85-8243 | 620 Jose Stravenue Nicholasbur | 2005-10-11 | 700-794-7823 |
| | 40 | 571-98-8062 | 3991 Murray Extensions West J | 2021-05-18 | 460-564-8577 |
| | NULL | NULL | NULL | NULL | NULL |

INGREDIENT



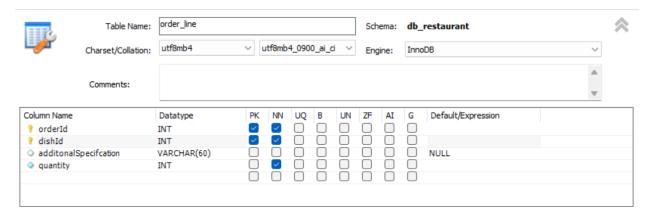
| | ingredientId | name |
|---|--------------|---------------------|
| • | 1 | Black Bean |
| | 2 | Pork Shoulder |
| | 3 | Bacon |
| | 4 | Smoked Sausage |
| | 5 | Onion |
| | 6 | Garlic |
| | 7 | Bay Leaf |
| | 8 | Salt |
| | 9 | Pepper |
| | 10 | Orange Wedges |
| | 11 | Rice |
| | 12 | Farofa |
| | 13 | Cilantro |
| | 14 | Black-Eyed Pea |
| | 15 | Cheese |
| | 16 | Ground Beef Or Lamb |
| | 17 | Turmeric |

INVENTORY



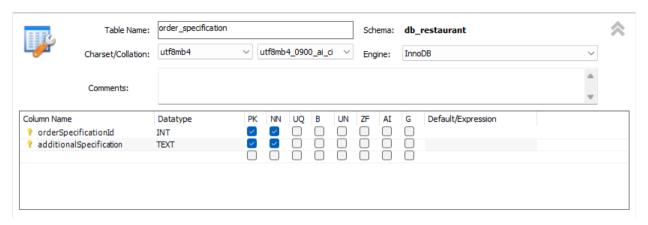
| | warehouseId | ingredientId | expirationDate | quantityOnHand |
|---|-------------|--------------|----------------|----------------|
| • | 1 | 1 | 2023-06-19 | 218 |
| | 1 | 2 | 2023-06-04 | 200 |
| | 2 | 3 | 2023-07-18 | 123 |
| | 1 | 4 | 2023-07-10 | 127 |
| | 2 | 5 | 2023-06-01 | 97 |
| | 1 | 6 | 2023-07-26 | 229 |
| | 2 | 7 | 2023-07-14 | 217 |
| | 1 | 8 | 2023-07-24 | 186 |
| | 2 | 9 | 2023-06-11 | 118 |
| | 2 | 10 | 2023-06-21 | 92 |
| | 1 | 11 | 2023-06-28 | 113 |
| | 2 | 12 | 2023-07-05 | 178 |
| | 1 | 13 | 2023-06-25 | 136 |
| | 2 | 14 | 2023-07-04 | 85 |
| | 1 | 15 | 2023-07-16 | 123 |
| | 1 | 16 | 2023-07-04 | 102 |
| | 1 | 17 | 2023-06-21 | 108 |

ORDER_LINE



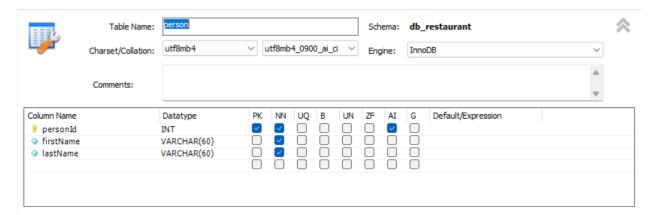
| | orderId | dishId | additonalSpecifcation | quantity |
|---|---------|--------|-----------------------|----------|
| • | 1 | 7 | NULL | 6 |
| | 2 | 8 | NULL | 3 |
| | 3 | 11 | NULL | 4 |
| | 4 | 25 | NULL | 1 |
| | 5 | 20 | NULL | 2 |
| | 6 | 14 | NULL | 2 |
| | 7 | 2 | NULL | 3 |
| | 8 | 16 | NULL | 3 |
| | 9 | 4 | NULL | 1 |
| | 10 | 13 | NULL | 4 |
| | 11 | 20 | NULL | 4 |
| | 12 | 7 | NULL | 6 |
| | 13 | 18 | NULL | 3 |
| | 14 | 4 | NULL | 6 |
| | 15 | 5 | NULL | 2 |
| | 16 | 18 | NULL | 6 |
| | 17 | 9 | NULL | 3 |

ORDER_SPECIFICATION



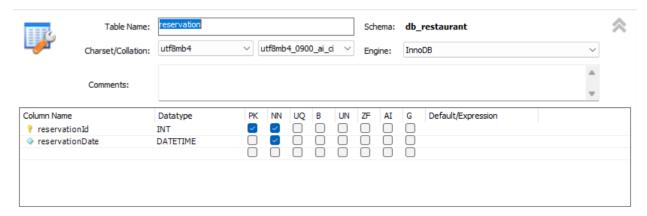
| | orderSpecificationId | additionalSpecification |
|---|----------------------|-------------------------|
| • | 417 | Remove Mustard |
| , | 235 | Extra Ketchup |
| | 225 | Extra salt |
| | 548 | Extra Napkins |
| | 86 | Extra Napkins |
| | 382 | Remove Mustard |
| | 280 | Remove Pickles |
| | 58 | Plastic Silverware |
| | 42 | Remove Mustard |
| | 112 | Extra salt |
| | 382 | Extra Napkins |
| | 232 | Extra Onions |
| | 671 | Extra Napkins |
| | 455 | Extra salt |
| | 262 | Extra Onions |
| | 284 | Extra Ketchup |
| | 332 | Remove Mustard |

PERSON



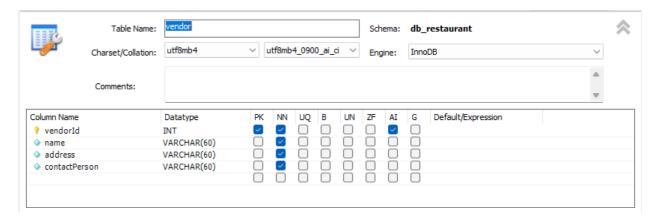
| | personId | firstName | lastName |
|---|----------|-----------|-----------|
| ١ | 1 | Jose | Baker |
| | 2 | Susan | Collins |
| | 3 | Luis | Lopez |
| | 4 | Jamie | Fernandez |
| | 5 | Brian | Woodard |
| | 6 | Phillip | Garcia |
| | 7 | Michael | Mann |
| | 8 | Kayla | Melendez |
| | 9 | Matthew | Li |
| | 10 | Lisa | Dawson |
| | 11 | Timothy | Williams |
| | 12 | Rachel | Green |
| | 13 | Wendy | Haynes |
| | 14 | Megan | Wilkinson |
| | 15 | Adam | Hamilton |
| | 16 | Kristin | Smith |
| | 17 | Theresa | Carlson |

RESERVATION



| | reservationId | reservationDate |
|---|---------------|---------------------|
| • | 1 | 2023-03-02 03:50:13 |
| | 2 | 2023-03-07 19:22:33 |
| | 3 | 2023-03-02 13:18:26 |
| | 4 | 2023-03-07 06:33:44 |
| | 5 | 2023-03-06 07:34:33 |
| | 6 | 2023-03-19 00:01:46 |
| | 7 | 2023-03-11 11:53:11 |
| | 8 | 2023-03-09 14:39:19 |
| | 9 | 2023-03-16 08:19:44 |
| | 10 | 2023-03-10 10:28:55 |
| | 11 | 2023-03-15 23:47:03 |
| | 12 | 2023-03-22 00:09:53 |
| | 13 | 2023-03-01 20:58:44 |
| | 14 | 2023-03-26 14:52:35 |
| | 15 | 2023-03-18 23:01:09 |
| | 16 | 2023-03-10 07:01:45 |
| | 17 | 2023-03-03 19:16:12 |

VENDOR



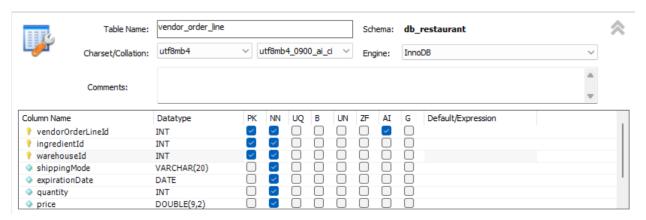
| | vendorId | name | address | contactPerson |
|---|----------|-------------------------------|---------------------------------|-------------------|
| • | 1 | Willis PLC | 2461 Nicole Skyway Suite 216 | Stephanie Taylor |
| | 2 | Gray PLC | 94682 Mcdonald Stravenue Lak | Erica Long |
| | 3 | Black Ltd | 48691 Rachel Burgs Apt. 538 E | Mario Patrick |
| | 4 | Foster, Peterson and Davis | 42626 Blair Views Apt. 556 Cart | Alejandro Gross |
| | 5 | Anderson-Jenkins | 862 Roberts Green Port Kennet | Briana Lewis |
| | 6 | Malone, Mckinney and Alvarez | 231 Christine Tunnel West Chri | Lance Moore |
| | 7 | Smith, Haynes and Barnes | 908 Sexton Spur Suite 023 Ruiz | Raymond Merritt |
| | 8 | Erickson, Cole and Smith | 44690 Ashley Walks Suite 113 | Amber Jensen DVN |
| | 9 | Black, Turner and Brown | 221 Christopher Points Apt. 03 | Melanie Schroeder |
| | 10 | Williams LLC | 2701 Savannah Unions Apt. 17 | Michael Krause |
| | 11 | Williams, Scott and Hale | 987 Susan Tunnel West Jeffrey | Brittany Padilla |
| | 12 | Francis, Nguyen and Smith | 4656 Christine Pass Apt. 891 N | Jonathan Gordon |
| | 13 | Miller-Rodriguez | 360 Jay Bypass Suite 322 Joyc | Anita Henderson |
| | 14 | Henry LLC | 5600 Ernest Flat Lake Brian, WI | Brandon Bender |
| | 15 | Rollins, Schneider and Martin | 19563 William Extension Suite 4 | Stanley King |
| | 16 | Walker-Livingston | 384 Campbell Grove East Michel | Ashley Cortez MD |
| | 17 | Sanchez Group | 057 Andrew Grove Alexandervi | Michael Ramirez |

VENDOR_ORDER



| vendorOrderId | chefId | vendorId | orderDate |
|---------------|---|---|---|
| 1 | 30 | 12 | 2023-03-13 |
| 2 | 31 | 4 | 2023-03-23 |
| 3 | 30 | 19 | 2023-03-17 |
| 4 | 31 | 8 | 2023-03-17 |
| 5 | 31 | 16 | 2023-03-21 |
| 6 | 30 | 19 | 2023-03-23 |
| 7 | 31 | 10 | 2023-03-15 |
| 8 | 30 | 14 | 2023-03-29 |
| 9 | 31 | 10 | 2023-03-13 |
| 10 | 31 | 17 | 2023-03-06 |
| 11 | 30 | 8 | 2023-03-30 |
| 12 | 30 | 11 | 2023-03-03 |
| 13 | 31 | 4 | 2023-03-11 |
| 14 | 30 | 17 | 2023-03-14 |
| 15 | 29 | 14 | 2023-03-30 |
| 16 | 31 | 2 | 2023-03-25 |
| 17 | 29 | 9 | 2023-03-29 |
| | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | 1 30 2 31 3 30 4 31 5 31 6 30 7 31 8 30 9 31 10 31 11 30 12 30 13 31 14 30 15 29 16 31 | 1 30 12 2 31 4 3 30 19 4 31 8 5 31 16 6 30 19 7 31 10 8 30 14 9 31 10 10 31 17 11 30 8 12 30 11 13 31 4 14 30 17 15 29 14 16 31 2 |

VENDOR_ORDER_LINE



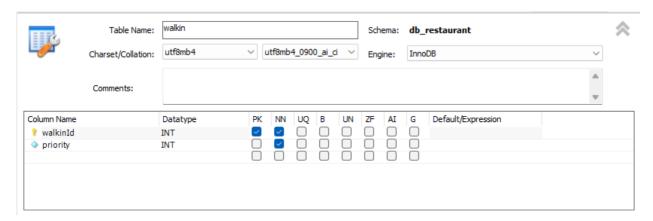
| | vendorOrderLineId | ingredientId | warehouseId | shippingMode | expirationDate | quantity | price |
|---|-------------------|--------------|-------------|--------------|----------------|----------|--------|
| • | 1 | 63 | 1 | Air | 2023-07-14 | 207 | 433.00 |
| | 2 | 59 | 2 | Ground | 2023-07-14 | 183 | 463.00 |
| | 3 | 24 | 2 | Ground | 2023-07-13 | 151 | 81.00 |
| | 4 | 57 | 2 | Air | 2023-07-15 | 182 | 77.00 |
| | 5 | 57 | 2 | Ground | 2023-06-19 | 139 | 84.00 |
| | 6 | 13 | 1 | Ground | 2023-06-15 | 189 | 118.00 |
| | 7 | 36 | 1 | Ground | 2023-07-18 | 170 | 74.00 |
| | 8 | 23 | 1 | Ground | 2023-07-27 | 212 | 147.00 |
| | 9 | 39 | 2 | Air | 2023-06-29 | 217 | 147.00 |
| | 10 | 9 | 1 | Ground | 2023-06-22 | 212 | 306.00 |
| | 11 | 5 | 1 | Air | 2023-07-09 | 159 | 357.00 |
| | 12 | 22 | 1 | Ground | 2023-07-08 | 225 | 406.00 |
| | 13 | 52 | 1 | Ground | 2023-07-01 | 134 | 348.00 |
| | 14 | 28 | 1 | Ground | 2023-06-05 | 88 | 79.00 |
| | 15 | 57 | 1 | Air | 2023-07-01 | 176 | 351.00 |
| | 16 | 39 | 1 | Air | 2023-06-09 | 230 | 255.00 |
| | 17 | 59 | 1 | Ground | 2023-06-12 | 81 | 29.00 |

WAITER



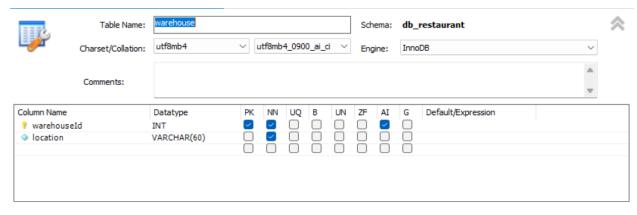
| | waiterId | shift |
|---|----------|-----------|
| • | 32 | morning |
| | 33 | evening |
| | 34 | morning |
| | 35 | evening |
| | 36 | evening |
| | 37 | morning |
| | 38 | morning |
| | 39 | morning |
| | 40 | afternoon |
| | HULL | NULL |

WALKIN



| | walkinId | priority |
|---|----------|----------|
| • | 640 | 4 |
| | 641 | 1 |
| | 642 | 2 |
| | 643 | 5 |
| | 644 | 2 |
| | 645 | 5 |
| | 646 | 4 |
| | 647 | 5 |
| | 648 | 1 |
| | 649 | 4 |
| | 650 | 2 |
| | 651 | 5 |
| | 652 | 2 |
| | 653 | 5 |
| | 654 | 3 |
| | 655 | 3 |
| | 656 | 1 |

WAREHOUSE



| | warehouseId | location | |
|---|-------------|------------|--|
| • | 1 | Restaurant | |
| | 2 | Storage | |
| | NULL | NULL | |