

PERSONALIZED RECOMMENDATION:

DAY-WISE MADURAI ONLINE FOOD ORDERING SYSTEM

1. Problem Statement

The food ordering experience in tier-2 cities like **Madurai** often lacks digital convenience. Customers are unaware of **daily specials** or unique offerings from local restaurants. There's no centralized system for managing day-wise meals, discounts, or restaurant promotions.

The **Day-Wise Madurai Online Food Ordering System** solves this by:

- Allowing restaurants to post daily specials.
- Helping customers explore meals by day and restaurant.
- Enabling smooth order management and tracking.
- Personalization and Recommendation.
- Proper food items engagements

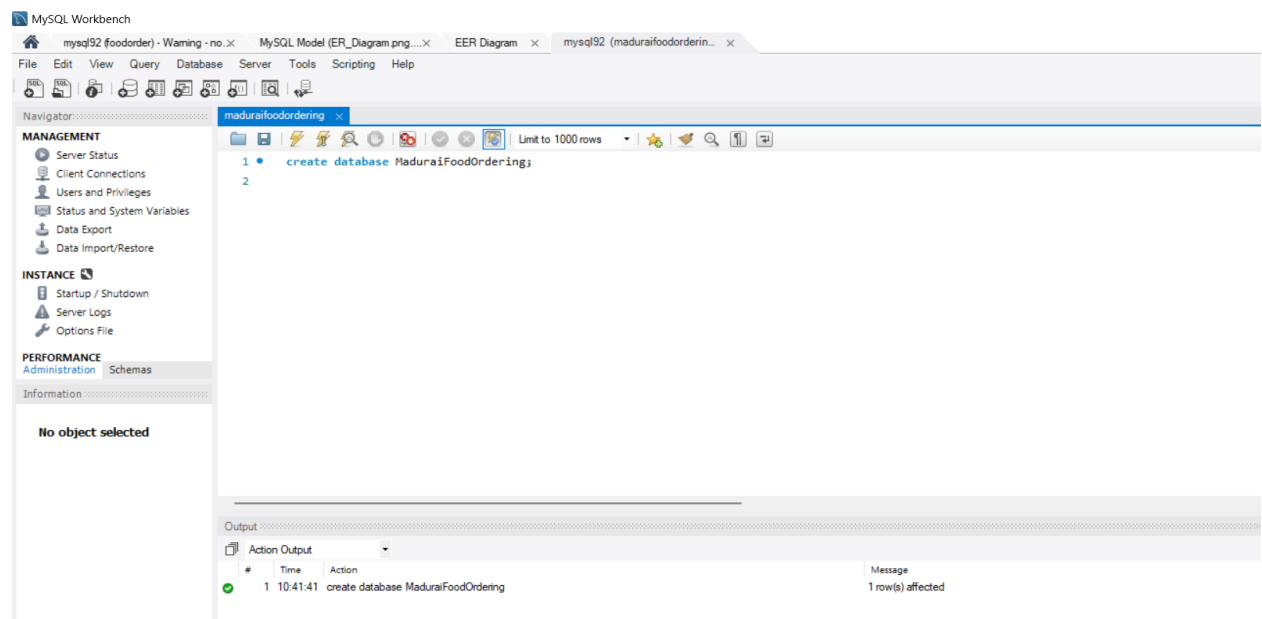
This system bridges the gap between tradition and tech, enhancing both **visibility for restaurants** and **choices for customers**.

2.Database Design & Implementation

2.1 Database Creation & Tables

Create the database

```
CREATE DATABASE MaduraiFoodOrdering;  
USE MaduraiFoodOrdering;
```



Create the tables

1. Restaurants Table

```
CREATE TABLE Restaurants (  
    RestaurantID INT PRIMARY KEY,  
    Name VARCHAR(100),  
    Location VARCHAR(100),  
    Contact VARCHAR(15),  
    OpeningHours VARCHAR(50)  
);
```

2. Menu Items Table

```
CREATE TABLE MenuItems (  
    itemID INT PRIMARY KEY,  
    RestaurantID INT,  
    Name VARCHAR(100),  
    Description TEXT,  
    Category VARCHAR(50),  
    Price DECIMAL(10,2),  
    Availability BOOLEAN,  
    MenuItemScroll VARCHAR(50),  
    FOREIGN KEY (RestaurantID) REFERENCES Restaurants(RestaurantID)  
);
```

3. Customers Table

```
CREATE TABLE Customers (  
    CustomerID INT PRIMARY KEY,  
    Name VARCHAR(100),  
    Email VARCHAR(100),  
    Phone VARCHAR(15),  
    Address TEXT  
);
```

4. Orders Table

```
CREATE TABLE Orders (  
    OrdersID INT PRIMARY KEY,  
    CustomerID INT,  
    RestaurantsID INT,  
    OrderDate DATETIME,  
    Status VARCHAR(20),  
    TotalAmount DECIMAL(10,2),  
    PaymentMethod VARCHAR(50),  
    FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID),  
    FOREIGN KEY (RestaurantsID) REFERENCES Restaurants(RestaurantID)  
);
```

5. Order Items Table

```
CREATE TABLE OrderItems (  
    OrderItemID INT PRIMARY KEY,  
    OrderID INT,  
    itemID INT,  
    Quantity INT,  
    SpecialRequest TEXT,  
    FOREIGN KEY (OrderID) REFERENCES Orders(OrdersID),  
    FOREIGN KEY (itemID) REFERENCES MenuItems(itemID)  
);
```

6. DaySpecial Table

```
CREATE TABLE DaySpecial (  
    SpecialID INT PRIMARY KEY,  
    RestaurantID INT,  
    DayName VARCHAR(20),  
    Title VARCHAR(100),  
    SpecialItem VARCHAR(100),  
    Description TEXT,  
    OriginalPrice DECIMAL(10,2),  
    OfferPrice DECIMAL(10,2),  
    Vegetarian BOOLEAN,  
    FOREIGN KEY (RestaurantID) REFERENCES Restaurants(RestaurantID)  
);
```

7. CulturalEvents Table

```
CREATE TABLE CulturalEvents (  
    EventID INT PRIMARY KEY AUTO_INCREMENT,  
    EventName VARCHAR(100) NOT NULL,  
    TamilName VARCHAR(100),  
    StartDate DATE,  
    EndDate DATE,  
    SpecialMenuID INT,  
    DeliveryNotes TEXT  
);
```

MySQL Workbench

mysql92 (foodorder) - Warning - no. x MySQL Model (ER_Diagram.png... x EER Diagram x mysql92 (maduraifoodorderin... x

File Edit View Query Database Server Tools Scripting Help

Navigator: maduraifoodordering maduraicreate* x Limit to 1000 rows

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

Administration Schemas

Information

No object selected

```
1 • USE MaduraifoodOrdering;
2 • CREATE TABLE Restaurants (
3     RestaurantID INT PRIMARY KEY,
4     Name VARCHAR(100),
5     Location VARCHAR(100),
6     Contact VARCHAR(15),
7     OpeningHours VARCHAR(50)
8 );
9 • CREATE TABLE MenuItems (
10    itemID INT PRIMARY KEY,
11    RestaurantID INT,
12    Name VARCHAR(100),
13    Description TEXT,
14    Category VARCHAR(50),
15    Price DECIMAL(10,2),
16    Availability BOOLEAN,
17    MenuItemscoll VARCHAR(50),
18    FOREIGN KEY (RestaurantID) REFERENCES Restaurants(RestaurantID)
19 );
20 • CREATE TABLE Customers (
21    CustomerID INT PRIMARY KEY,
22    Name VARCHAR(100),
23    Email VARCHAR(100),
24    Phone VARCHAR(15),
25    Address TEXT
26 );
```

MySQL Workbench

mysql92 (foodorder) - Warning - no. x MySQL Model (ER_Diagram.png... x EER Diagram x mysql92 (maduraifoodorderin... x

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Navigator: maduraifoodordering maduraicreate* x Limit to 1000 rows

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Information

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```
26 );
27 • CREATE TABLE Orders (
28    OrdersID INT PRIMARY KEY,
29    CustomerID INT,
30    RestaurantsID INT,
31    OrderDate DATETIME,
32    Status VARCHAR(20),
33    TotalAmount DECIMAL(10,2),
34    PaymentMethod VARCHAR(50),
35    FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID),
36    FOREIGN KEY (RestaurantsID) REFERENCES Restaurants(RestaurantID)
37 );
38 • CREATE TABLE OrderItems (
39    OrderItemID INT PRIMARY KEY,
40    OrderID INT,
41    itemID INT,
42    Quantity INT,
43    SpecialRequest TEXT,
44    FOREIGN KEY (OrderID) REFERENCES Orders(OrdersID),
45    FOREIGN KEY (itemID) REFERENCES MenuItems(itemID)
46 );
```

Server Status

Client Connections

Users and Privileges

Status and System Variables

Data Export

Data Import/Restore

INSTANCE

Startup / Shutdown

Server Logs

Options File

```

47 CREATE TABLE DaySpecial (
48     SpecialID INT PRIMARY KEY,
49     RestaurantID INT,
50     DayName VARCHAR(20),
51     Title VARCHAR(100),
52     SpecialItem VARCHAR(100),
53     Description TEXT,
54     OriginalPrice DECIMAL(10,2),
55     OfferPrice DECIMAL(10,2),
56     Vegetarian BOOLEAN,
57     FOREIGN KEY (RestaurantID) REFERENCES Restaurants(RestaurantID)
58 );
59
1 CREATE TABLE CulturalEvents (
2     EventID INT PRIMARY KEY AUTO_INCREMENT,
3     EventName VARCHAR(100) NOT NULL,
4     TamilName VARCHAR(100),
5     StartDate DATE,
6     EndDate DATE,
7     SpecialMenuID INT,
8     DeliveryNotes TEXT
9 );

```

RESULT

Output				
Action Output				
#	Time	Action	Message	Duration / Fetch
1	10:41:41	create database MaduraiFoodOrdering	1 row(s) affected	0.000 sec
2	10:43:53	USE MaduraiFoodOrdering	0 row(s) affected	0.000 sec
3	10:43:53	CREATE TABLE Restaurants (RestaurantID INT PRIMARY KEY, Name VARCHAR(100), Location VARC...	0 row(s) affected	0.032 sec
4	10:43:53	CREATE TABLE MenuItems (itemID INT PRIMARY KEY, RestaurantID INT, Name VARCHAR(100), D...	0 row(s) affected	0.046 sec
5	10:43:53	CREATE TABLE Customers (CustomerID INT PRIMARY KEY, Name VARCHAR(100), Email VARCHAR(1...	0 row(s) affected	0.032 sec
6	10:43:53	CREATE TABLE Orders (OrdersID INT PRIMARY KEY, CustomerID INT, RestaurantsID INT, OrderDat...	0 row(s) affected	0.047 sec
7	10:43:53	CREATE TABLE OrderItems (OrderItemID INT PRIMARY KEY, OrderID INT, itemID INT, Quantity INT...	0 row(s) affected	0.031 sec
8	10:43:53	CREATE TABLE DaySpecial (SpecialID INT PRIMARY KEY, RestaurantID INT, DayName VARCHAR(2...	0 row(s) affected	0.047 sec

3.Queries for Data Management

3.1 Insert Sample Data

❖ Restaurants

INSERT INTO Restaurants VALUES

- (1, 'Annapoorna Veg', 'Goripalayam', '9999999991', '8 AM - 10 PM'),
- (2, 'Kumar Mess', 'Simmakkal', '9999999992', '11 AM - 11 PM'),
- (3, 'Madurai Kitchen', 'Tallakulam', '9999999993', '9 AM - 9 PM'),
- (4, 'Sri Krishna Bhavan', 'Thirupparankundram', '9999999994', '7 AM - 10 PM'),
- (5, 'Hotel Aryaas', 'Mattuthavani', '9999999995', '8 AM - 11 PM');

❖ Menu Items

INSERT INTO MenuItems VALUES

- (101, 1, 'Mini Meals', 'Banana leaf meals', 'Lunch', 120.00, 1, 'Veg Meals'),
- (102, 2, 'Mutton Chukka', 'Dry fry mutton', 'Non-Veg', 180.00, 1, 'Mutton'),
- (103, 3, 'Dosa', 'Plain dosa with chutney', 'Breakfast', 50.00, 1, 'Tiffin'),
- (104, 4, 'Sambar Rice', 'Rice with sambar and papad', 'Lunch', 70.00, 1, 'Rice'),
- (105, 5, 'Paneer Butter Masala', 'Rich paneer curry', 'Dinner', 150.00, 1, 'Curry');

❖ Customers

INSERT INTO Customers VALUES

(1, 'Rajesh K', 'rajesh@gmail.com', '9000000001', '5, Kalavasal Street'),
(2, 'Meena S', 'meena@gmail.com', '9000000002', '23, Anna Nagar'),
(3, 'Naveen R', 'naveen@gmail.com', '9000000003', '99, Kochadai'),
(4, 'Karthika D', 'karthika@gmail.com', '9000000004', '3, Theni Main Road'),
(5, 'Saravanan V', 'saravanan@gmail.com', '9000000005', '108, Madurai South');

❖ Orders

INSERT INTO Orders VALUES

(5001, 1, 1, NOW(), 'Pending', 120.00, 'Cash'),
(5002, 2, 2, NOW(), 'Completed', 180.00, 'UPI'),
(5003, 3, 3, NOW(), 'Delivered', 50.00, 'Card'),
(5004, 4, 4, NOW(), 'Pending', 70.00, 'Cash'),
(5005, 5, 5, NOW(), 'Completed', 150.00, 'UPI');

❖ Order Items

INSERT INTO OrderItems VALUES

(1, 5001, 101, 1, NULL),
(2, 5002, 102, 1, 'Spicy'),
(3, 5003, 103, 2, 'Crispy'),
(4, 5004, 104, 1, 'Less tamarind'),
(5, 5005, 105, 1, 'Extra butter');

❖ Day Specials

INSERT INTO DaySpecial VALUES

(1, 1, 'Sunday', 'Veg Delight', 'Mini Meals', 'Full veg meal with payasam', 120, 99, TRUE),
(2, 2, 'Sunday', 'Meat Lovers Combo', 'Mutton Chukka', 'Includes rice + chukka + egg', 180, 150, FALSE),
(3, 3, 'Monday', 'Dosa Mania', 'Dosa', 'Unlimited dosa offer with chutneys', 50, 40, TRUE),
(4, 4, 'Wednesday', 'Sambar Surprise', 'Sambar Rice', 'Free papad with every order', 70, 60, TRUE),
(5, 5, 'Friday', 'Paneer Power', 'Paneer Butter Masala', 'Comes with 2 chapatis', 150, 120, TRUE);

❖ Cultural Events

INSERT INTO CulturalEvents VALUES

(1, 'Chithirai Festival', '□□□□□□□□□□□□□□', '2024-04-15', '2024-05-15', 101, 'No deliveries near temple during procession hours (4PM-7PM)'),
(2, 'Aavani Moolam', '□□□□ □□□□', '2024-08-30', '2024-08-30', 205, 'Special temple prasadam delivery available');

MySQL Workbench

mysql92 (foodorder) - Warning - no... X MySQL Model (ER_Diagram.png...X EER Diagram X mysql92 (maduraifoodorderin... X

File Edit View Query Database Server Tools Scripting Help

Navigator: maduraifoodordering maduraicreate* maduraininsert X

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Administration Schemas

Information

No object selected

No object selected

```
1 • USE MaduraiFoodOrdering;
2 • INSERT INTO Restaurants VALUES
3 (1, 'Annapoorna Veg', 'Goripalayam', '9999999991', '8 AM - 10 PM'),
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5 (3, 'Madurai Kitchen', 'Tallakulam', '9999999993', '9 AM - 9 PM'),
6 (4, 'Sri Krishna Bhavan', 'Thirupparankundram', '9999999994', '7 AM - 10 PM'),
7 (5, 'Hotel Aryaas', 'Hattuthavani', '9999999995', '8 AM - 11 PM');
8
9 • INSERT INTO MenuItems VALUES
10 (101, 1, 'Mini Meals', 'Banana leaf meals', 'Lunch', 120.00, 1, 'Veg Meals'),
11 (102, 2, 'Mutton Chukka', 'Dry fry mutton', 'Non-Veg', 180.00, 1, 'Mutton'),
12 (103, 3, 'Dosa', 'Plain dosa with chutney', 'Breakfast', 50.00, 1, 'Tiffin'),
13 (104, 4, 'Sambar Rice', 'Rice with sambar and papad', 'Lunch', 70.00, 1, 'Rice'),
14 (105, 5, 'Paneer Butter Masala', 'Rich paneer curry', 'Dinner', 150.00, 1, 'Curry');
15
16 • INSERT INTO Customers VALUES
17 (1, 'Rajesh K', 'rajesh@gmail.com', '9000000001', '5, Kalavasal Street'),
18 (2, 'Meena S', 'meena@gmail.com', '9000000002', '23, Anna Nagar'),
19 (3, 'Naveen R', 'naveen@gmail.com', '9000000003', '99, Kochadai'),
20 (4, 'Karthika D', 'karthika@gmail.com', '9000000004', '3, Theni Main Road'),
21 (5, 'Saravanan V', 'saravanan@gmail.com', '9000000005', '108, Madurai South');
22
23 • INSERT INTO Orders VALUES
24 (5001, 1, 1, NOW(), 'Pending', 120.00, 'Cash'),
25 (5002, 2, 2, NOW(), 'Completed', 180.00, 'UPI'),
26 (5003, 3, 3, NOW(), 'Delivered', 50.00, 'Card'),
27 (5004, 4, 4, NOW(), 'Pending', 70.00, 'Cash'),
28 (5005, 5, 5, NOW(), 'Completed', 150.00, 'UPI');
29
30
31 • INSERT INTO OrderItems VALUES
32 (1, 5001, 101, 1, NULL),
33 (2, 5002, 102, 1, 'Spicy'),
34 (3, 5003, 103, 2, 'Crispy'),
35 (4, 5004, 104, 1, 'Less tamarind'),
36 (5, 5005, 105, 1, 'Extra butter');
37
38
39 • INSERT INTO DaySpecial VALUES
40 (1, 1, 'Sunday', 'Veg Delight', 'Mini Meals', 'Full veg meal with payasam', 120, 99, TRUE),
41 (2, 2, 'Sunday', 'Meat Lovers Combo', 'Mutton Chukka', 'Includes rice + chukka + egg', 180, 150, FALSE),
42 (3, 3, 'Monday', 'Dosa Mania', 'Dosa', 'Unlimited dosa offer with chutneys', 50, 40, TRUE),
43 (4, 4, 'Wednesday', 'Sambar Surprise', 'Sambar Rice', 'Free papad with every order', 70, 60, TRUE),
44 (5, 5, 'Friday', 'Paneer Power', 'Paneer Butter Masala', 'Comes with 2 chapatis', 150, 120, TRUE);
45
46 • INSERT INTO CulturalEvents VALUES
47 (1, 'Chithirai Festival', 'சித்திரை விழா', '2024-04-15', '2024-05-15',
48 101, 'No deliveries near temple during procession hours (4PM-7PM)'),
49 (2, 'Aavani Moolam', 'ஆவணி மூலம்', '2024-08-30', '2024-08-30',
50 205, 'Special temple prasadam delivery available');
51
52
```

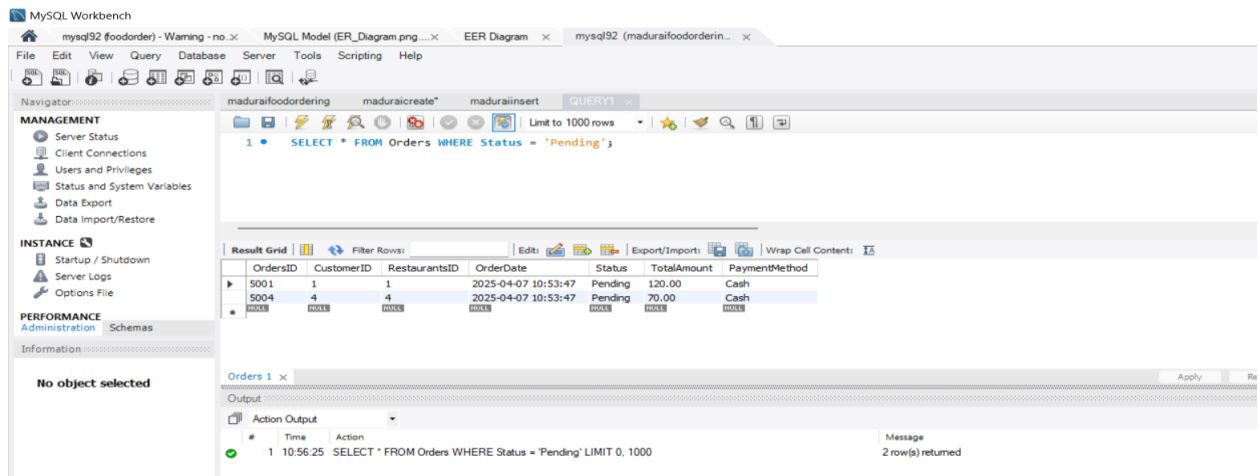
RESULT

Output				
Action Output				
#	Time	Action	Message	Duration / Fetch
1	10:53:47	USE MaduraiFoodOrdering	0 row(s) affected	0.000 sec
2	10:53:47	INSERT INTO Restaurants VALUES (1, 'Annapoorna Veg', 'Goripalayam', '9999999991', '8 AM - 10 PM), (2, 'Kum...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
3	10:53:47	INSERT INTO MenuItem VALUES (101, 1, 'Mini Meals', 'Banana leaf meals', 'Lunch', 120.00, 1, 'Veg Meals'), (10...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
4	10:53:47	INSERT INTO Customers VALUES (1, 'Rajesh K', 'rajesh@gmail.com', '9000000001', '5, Kalavasal Street'), (2, 'Me...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
5	10:53:47	INSERT INTO Orders VALUES (5001, 1, 1, NOW(), 'Pending', 120.00, 'Cash'), (5002, 2, 2, NOW(), 'Completed', 1...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec
6	10:53:47	INSERT INTO OrderItems VALUES (1, 5001, 101, 1, NULL), (2, 5002, 102, 1, 'Spicy'), (3, 5003, 103, 2, 'Crispy'), (...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
7	10:53:47	INSERT INTO DaySpecial VALUES (1, 1, 'Sunday', 'Veg Delight', 'Mini Meals', 'Full veg meal with payasam', 120, ...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec

3.2 Retrieval Queries

1) View all pending orders

```
SELECT * FROM Orders WHERE Status = 'Pending';
```

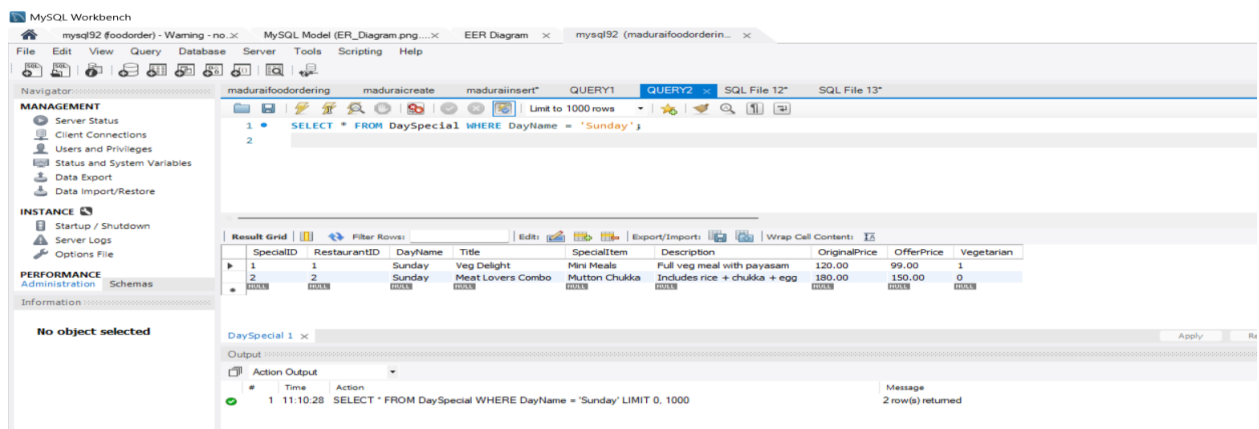


The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' and 'INSTANCE' sections. The main window displays a query titled 'QUERY1' with the following SQL statement: `SELECT * FROM Orders WHERE Status = 'Pending';`. The query has been executed, and the results are shown in a table with the following columns: OrdersID, CustomerID, RestaurantsID, OrderDate, Status, TotalAmount, and PaymentMethod. The results show two rows of pending orders.

OrdersID	CustomerID	RestaurantsID	OrderDate	Status	TotalAmount	PaymentMethod
5001	1	1	2025-04-07 10:53:47	Pending	120.00	Cash
5004	4	4	2025-04-07 10:53:47	Pending	70.00	Cash

2) View all Sunday specials

```
SELECT * FROM DaySpecial WHERE DayName = 'Sunday';
```

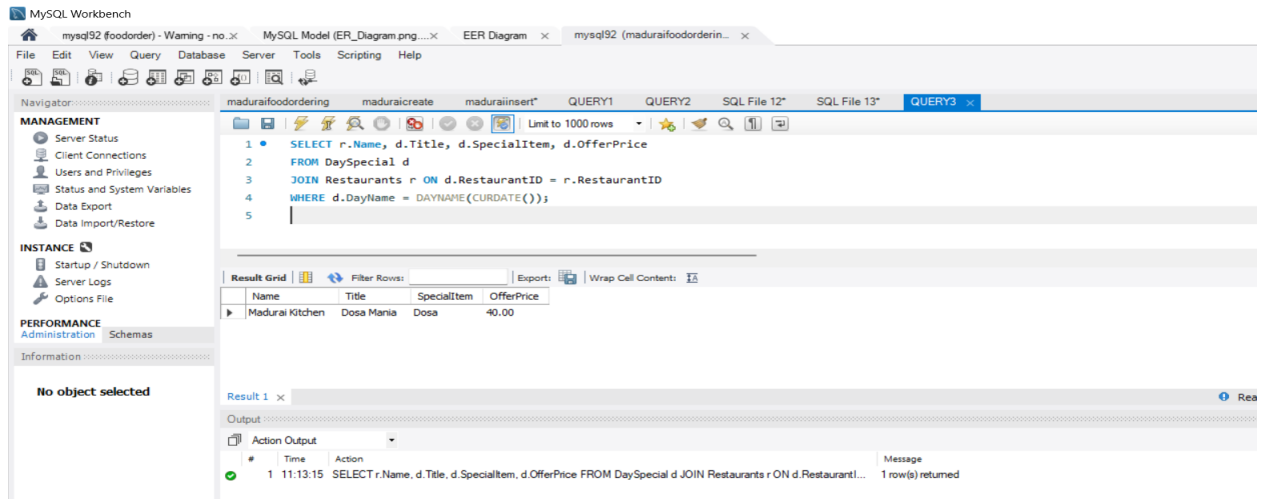


The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' and 'INSTANCE' sections. The main window displays a query titled 'QUERY2' with the following SQL statement: `SELECT * FROM DaySpecial WHERE DayName = 'Sunday';`. The query has been executed, and the results are shown in a table with the following columns: SpecialID, RestaurantID, DayName, Title, SpecialItem, Description, OriginalPrice, OfferPrice, and Vegetarian. The results show two rows of Sunday specials.

SpecialID	RestaurantID	DayName	Title	SpecialItem	Description	OriginalPrice	OfferPrice	Vegetarian
1	1	Sunday	Veg Delight	Mini Meals	Full veg meal with payasam	120.00	99.00	1
2	2	Sunday	Meat Lovers Combo	Mutton Chukka	Includes rice + chukka + egg	180.00	150.00	0

3) Get today's specials by restaurant

```
SELECT r.Name, d.Title, d.SpecialItem, d.OfferPrice  
FROM DaySpecial d  
JOIN Restaurants r ON d.RestaurantID = r.RestaurantID  
WHERE d.DayName = DAYNAME(CURDATE());
```

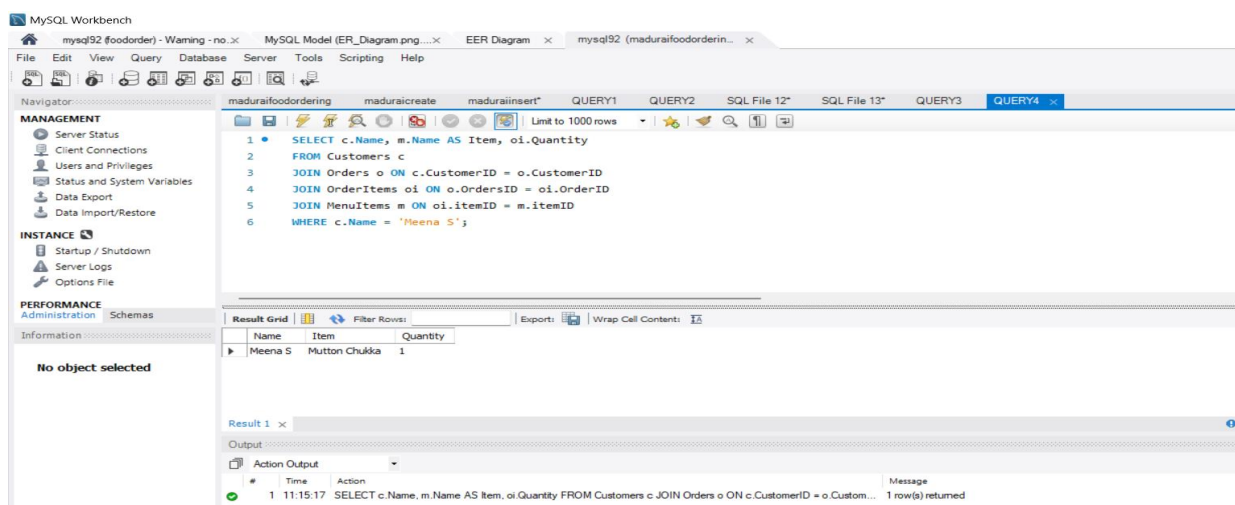



4) List items ordered by customer 'Meena S'

```

SELECT c.Name, m.Name AS Item, oi.Quantity
FROM Customers c
JOIN Orders o ON c.CustomerID = o.CustomerID
JOIN OrderItems oi ON o.OrdersID = oi.OrderID
JOIN MenuItems m ON oi.itemID = m.itemID
WHERE c.Name = 'Meena S';

```



4. Implementation & Results

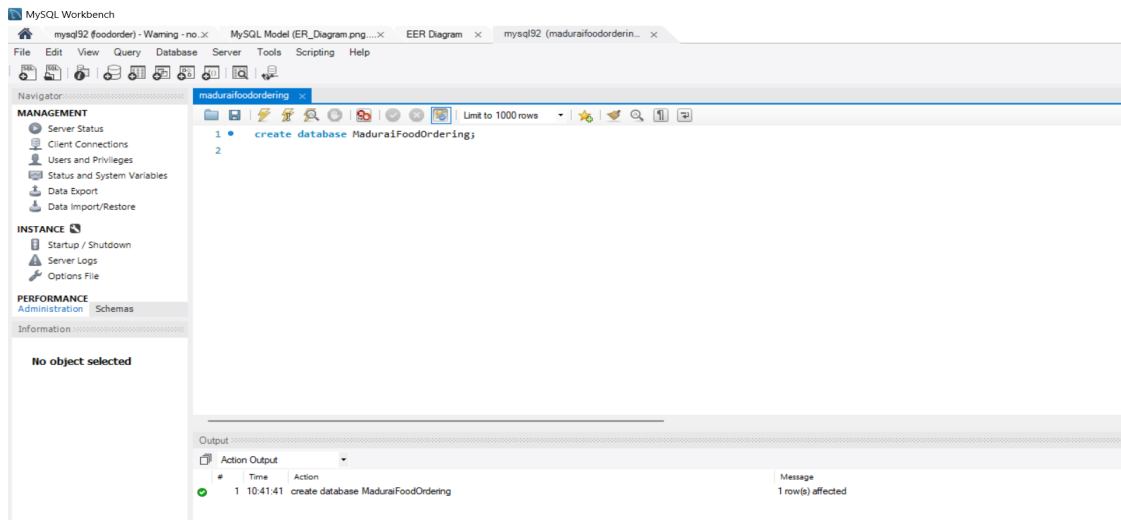
4.1 Execution Environment

- **Tool Used:** MySQL Workbench 8.0
- **MySQL Version:** 8.x
- **Platform:** Windows 11
- **Database Name:** MaduraiFoodOrdering.

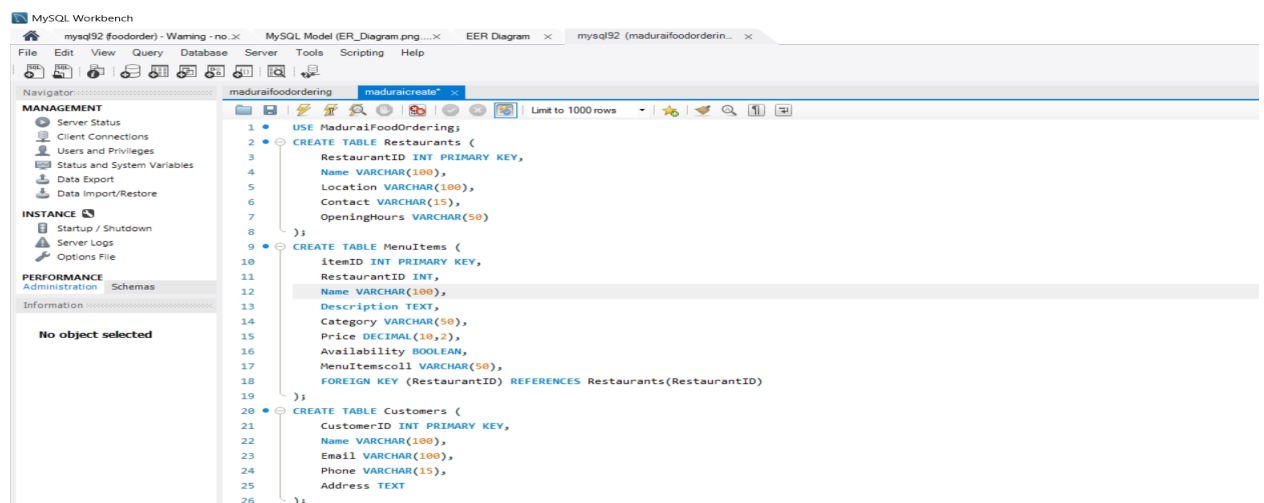
4.2 Screenshots of Execution Results

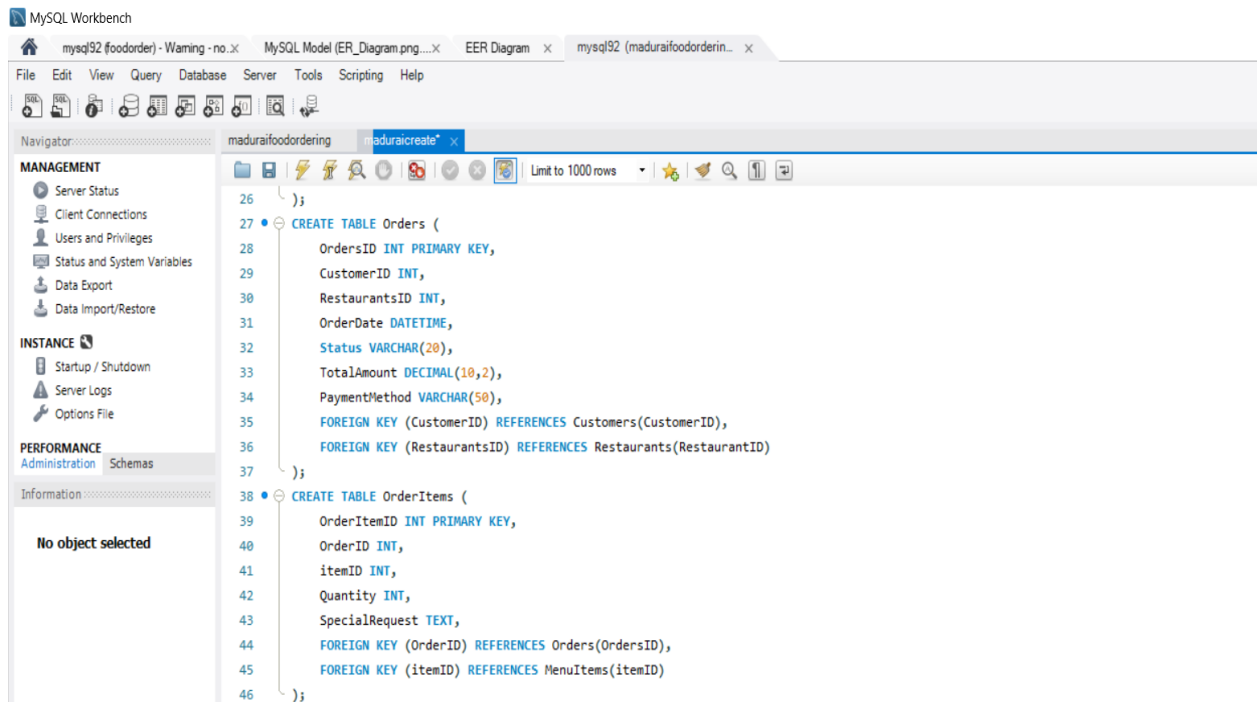
📷 Include screenshots:

- SQL queries for database creation



- SQL queries for table creation





RESULT

Output			
Action Output			
#	Time	Action	Message
			Duration / Fetch
✓ 1	10:41:41	create database MaduraFoodOrdering	1 row(s) affected 0.000 sec
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✓ 3	10:43:53	CREATE TABLE Restaurants (RestaurantID INT PRIMARY KEY, Name VARCHAR(100), Location VARC...	0 row(s) affected 0.032 sec
✓ 4	10:43:53	CREATE TABLE MenuItems (itemID INT PRIMARY KEY, RestaurantID INT, Name VARCHAR(100), D...	0 row(s) affected 0.046 sec
✓ 5	10:43:53	CREATE TABLE Customers (CustomerID INT PRIMARY KEY, Name VARCHAR(100), Email VARCHAR(1...	0 row(s) affected 0.032 sec
✓ 6	10:43:53	CREATE TABLE Orders (OrdersID INT PRIMARY KEY, CustomerID INT, RestaurantsID INT, OrderDat...	0 row(s) affected 0.047 sec
✓ 7	10:43:53	CREATE TABLE OrderItems (OrderItemID INT PRIMARY KEY, OrderID INT, itemID INT, Quantity INT...	0 row(s) affected 0.031 sec
✓ 8	10:43:53	CREATE TABLE DaySpecial (SpecialID INT PRIMARY KEY, RestaurantID INT, DayName VARCHAR(2...	0 row(s) affected 0.047 sec

➤ Insert statements execution

MySQL Workbench

mysql92 (foodorder) - Warning - no... MySQL Model (ER_Diagram.png... EER Diagram x mysql92 (maduraifoodorderin... x

File Edit View Query Database Server Tools Scripting Help

Navigator: maduraifoodordering maduraicreate* maduraininsert x

Limit to 1000 rows

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- Administration
- Schemas

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No object selected

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5 (3, 'Madurai Kitchen', 'Tallakulam', '9999999993', '9 AM - 9 PM'),
6 (4, 'Sri Krishna Bhavan', 'Thirupparankundram', '9999999994', '7 AM - 10 PM'),
7 (5, 'Hotel Aryas', 'Mattuthavani', '9999999995', '8 AM - 11 PM');
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9 • INSERT INTO MenuItems VALUES
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11 (102, 2, 'Mutton Chukka', 'Dry fry mutton', 'Non-Veg', 180.00, 1, 'Mutton'),
12 (103, 3, 'Dosa', 'Plain dosa with chutney', 'Breakfast', 50.00, 1, 'Tiffin'),
13 (104, 4, 'Sambar Rice', 'Rice with sambar and papad', 'Lunch', 70.00, 1, 'Rice'),
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29
30
31 • INSERT INTO OrderItems VALUES
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33 (2, 5002, 102, 1, 'Spicy'),
34 (3, 5003, 103, 2, 'Crispy'),
35 (4, 5004, 104, 1, 'Less tamarind'),
36 (5, 5005, 105, 1, 'Extra butter');
37
38
39 • INSERT INTO DaySpecial VALUES
40 (1, 1, 'Sunday', 'Veg Delight', 'Mini Meals', 'Full veg meal with payasam', 120, 99, TRUE),
41 (2, 2, 'Sunday', 'Meat Lovers Combo', 'Mutton Chukka', 'Includes rice + chukka + egg', 180, 150, FALSE),
42 (3, 3, 'Monday', 'Dosa Mania', 'Dosa', 'Unlimited dosa offer with chutneys', 50, 40, TRUE),
43 (4, 4, 'Wednesday', 'Sambar Surprise', 'Sambar Rice', 'Free papad with every order', 70, 60, TRUE),
44 (5, 5, 'Friday', 'Paneer Power', 'Paneer Butter Masala', 'Comes with 2 chapatis', 150, 120, TRUE);
45
46 • INSERT INTO CulturalEvents VALUES
47 (1, 'Chithirai Festival', 'சுந்தரவரணம்', '2024-04-15', '2024-05-15',
48 101, 'No deliveries near temple during procession hours (4PM-7PM)'),
49 (2, 'Aavani Moolam', 'ஆவணி மூலம்', '2024-08-30', '2024-08-30',
50 205, 'Special temple prasadam delivery available');
51
52
```

RESULT

Output				
Action Output				
#	Time	Action	Message	Duration / Fetch
1	10:53:47	USE MaduraiFoodOrdering	0 row(s) affected	0.000 sec
2	10:53:47	INSERT INTO Restaurants VALUES (1, 'Annapoorna Veg', 'Goripalayam', '9999999991', '8 AM - 10 PM'), (2, 'Kum...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
3	10:53:47	INSERT INTO MenuItems VALUES (101, 1, 'Mini Meals', 'Banana leaf meals', 'Lunch', 120.00, 1, 'Veg Meals'), (10...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
4	10:53:47	INSERT INTO Customers VALUES (1, 'Rajesh K', 'rajesh@gmail.com', '9000000001', '5, Kalavasal Street'), (2, 'Me...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
5	10:53:47	INSERT INTO Orders VALUES (5001, 1, 1, NOW(), 'Pending', 120.00, 'Cash'), (5002, 2, 2, NOW(), 'Completed', 1...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec
6	10:53:47	INSERT INTO OrderItems VALUES (1, 5001, 101, 1, NULL), (2, 5002, 102, 1, 'Spicy'), (3, 5003, 103, 2, 'Crispy'), (...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
7	10:53:47	INSERT INTO DaySpecial VALUES (1, 1, 'Sunday', 'Veg Delight', 'Mini Meals', 'Full veg meal with payasam', 120, ...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec

➤ Select queries (retrieval) with output tables

- View all pending orders

The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL query:

```
1 • SELECT * FROM Orders WHERE Status = 'Pending';
```

The query is executed, and the results are displayed in the Result Grid:

OrderID	CustomerID	RestaurantID	OrderDate	Status	TotalAmount	PaymentMethod
5001	1	1	2025-04-07 10:53:47	Pending	120.00	Cash
5004	4	4	2025-04-07 10:53:47	Pending	70.00	Cash

The Output pane shows the execution details:

```
1 10:56:25 SELECT * FROM Orders WHERE Status = 'Pending' LIMIT 0, 1000
Message
2 row(s) returned
```

- View all Sunday specials

The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL query:

```
1 • SELECT * FROM DaySpecial WHERE DayName = 'Sunday';
```

The query is executed, and the results are displayed in the Result Grid:

SpecialID	RestaurantID	DayName	Title	SpecialItem	Description	OriginalPrice	OfferPrice	Vegetarian
1	1	Sunday	Veg Delight	Mini Meals	Full veg meal with payasam	120.00	99.00	1
2	2	Sunday	Meat Lovers Combo	Mutton Chukka	Includes rice + chukka + egg	180.00	150.00	0

The Output pane shows the execution details:

```
1 11:10:28 SELECT * FROM DaySpecial WHERE DayName = 'Sunday' LIMIT 0, 1000
Message
2 row(s) returned
```

- Get today's specials by restaurant

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' section with options like Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, and Data Import/Restore. Below this is the 'INSTANCE' section with Startup / Shutdown, Server Logs, and Options File. The 'PERFORMANCE' section includes Administration and Schemas. The main area displays a query in the 'QUERY3' tab:

```
1 • SELECT r.Name, d.Title, d.SpecialItem, d.OfferPrice
2 FROM DaySpecial d
3 JOIN Restaurants r ON d.RestaurantID = r.RestaurantID
4 WHERE d.DayName = DAYNAME(CURDATE());
5
```

The 'Result Grid' shows the following data:

Name	Title	SpecialItem	OfferPrice
Madurai Kitchen	Dosa Mania	Dosa	40.00

The 'Output' section shows the query execution details:

#	Time	Action	Message
1	11:13:15	SELECT r.Name, d.Title, d.SpecialItem, d.OfferPrice FROM DaySpecial d JOIN Restaurants r ON d.RestaurantID = r.RestaurantID WHERE d.DayName = DAYNAME(CURDATE());	1 row(s) returned

- List items ordered by customer 'Meena S'

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' section with options like Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, and Data Import/Restore. Below this is the 'INSTANCE' section with Startup / Shutdown, Server Logs, and Options File. The 'PERFORMANCE' section includes Administration and Schemas. The main area displays a query in the 'QUERY4' tab:

```
1 • SELECT c.Name, m.Name AS Item, oi.Quantity
2 FROM Customers c
3 JOIN Orders o ON c.CustomerID = o.CustomerID
4 JOIN OrderItems oi ON o.OrdersID = oi.OrderID
5 JOIN MenuItem m ON oi.itemID = m.itemID
6 WHERE c.Name = 'Meena S';
```

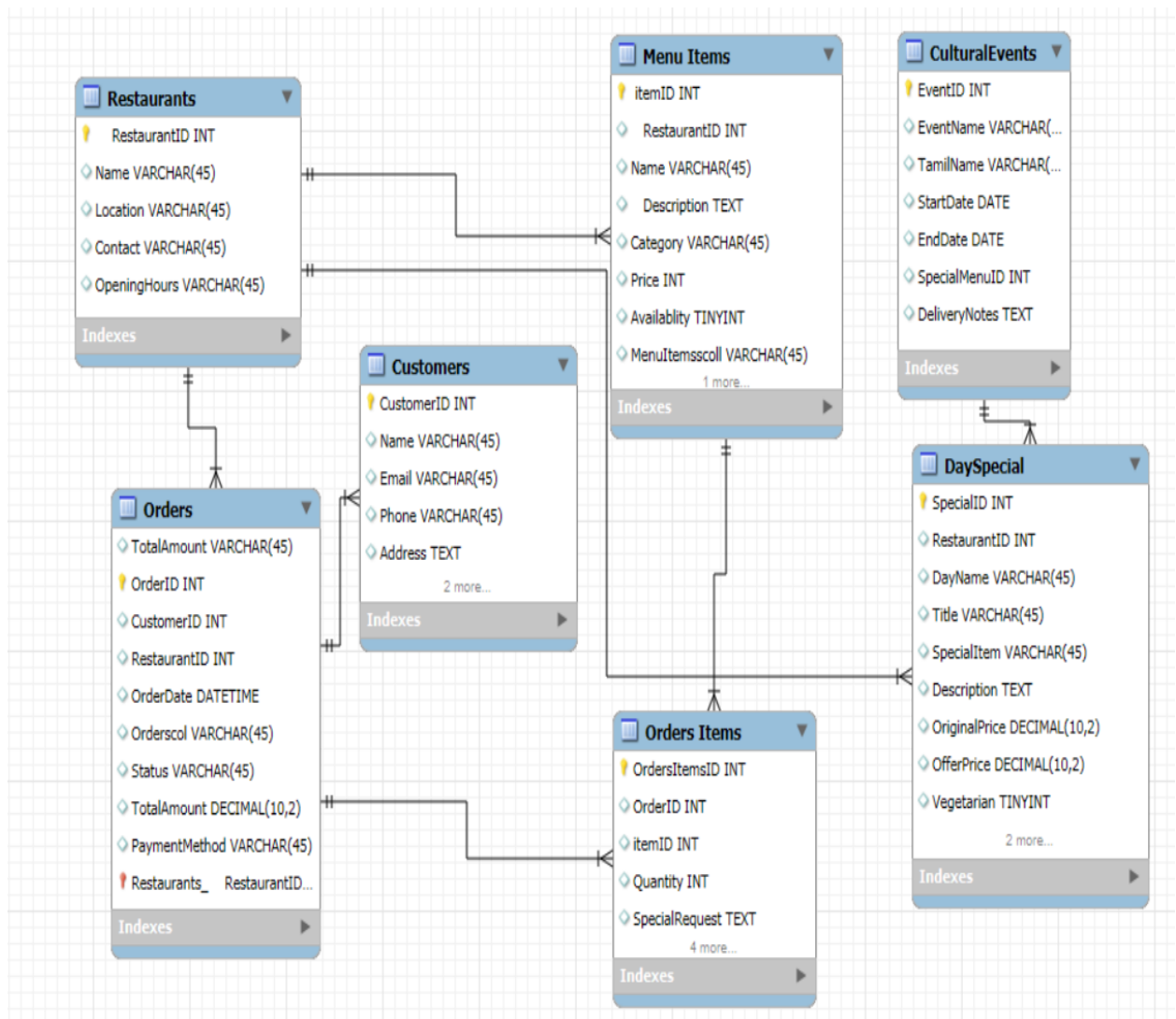
The 'Result Grid' shows the following data:

Name	Item	Quantity
Meena S	Mutton Chukka	1

The 'Output' section shows the query execution details:

#	Time	Action	Message
1	11:15:17	SELECT c.Name, m.Name AS Item, oi.Quantity FROM Customers c JOIN Orders o ON c.CustomerID = o.CustomerID JOIN OrderItems oi ON o.OrdersID = oi.OrderID JOIN MenuItem m ON oi.itemID = m.itemID WHERE c.Name = 'Meena S';	1 row(s) returned

Reverse-engineered ER diagram



5. GitHub Repository

5.1 Repository Link

🔗 <https://github.com/6ABEAB5FBED79379DCB41B3255C0FFC9/Online-Food-Ordering-System.git>

5.2 Uploaded Files in Repository

- Database_schema – Full schema script
- maduraicreate– Create table queries
- maduraiinsert- Data insert statements
- retrieval_queries.sql – SELECT and management queries
- MadraiFoodOrdering_ER_Diagram.png – Reverse engineered ER diagram
- Screenshots – Folder containing a execution screenshots
- Project Documentation.

CONCLUSION

The **Day-Wise Madurai Online Food Ordering System** successfully addresses the growing demand for digital food ordering in traditional cities like **Madurai**, with a unique focus on **daily specials**. By allowing restaurants to list day-wise offers and customers to explore food choices specific to each day, the system enhances both restaurant visibility and user satisfaction. The system includes a well-structured relational database that supports restaurant management, menu handling, order tracking, and daily special promotions. Through structured SQL queries, key operations such as order placement, menu viewing, and special offer retrieval have been efficiently implemented. With scalability and user-friendliness at its core, this platform can serve as a robust foundation for future mobile or web-based applications that support local food businesses and improve customer convenience.