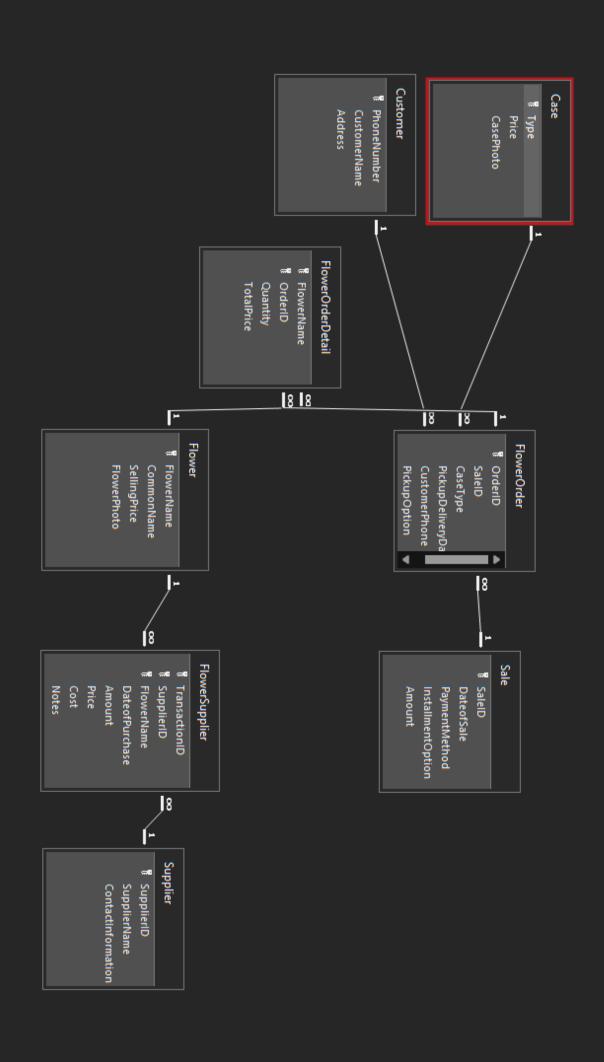
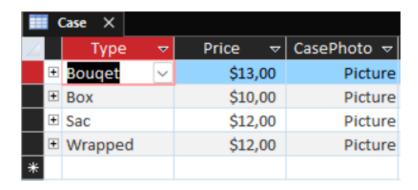
Relationship Map

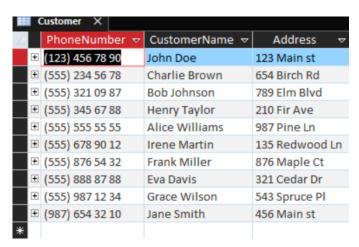


Data Dictionary



1. Case Table:

- Case Table: Conftains information about flower cases.
 - Type (PrimaryKey, Short Text): Unique identifier for each case and their names. (Max 255 characters)
 - **Price (Number)**: Price of each case. Must be greater than zero.
 - CasePhoto (OLE Object): Photo of each case type.



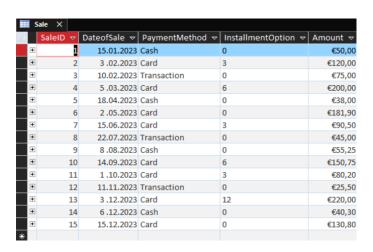
2. Customer Table:

- Customer Table: Contains information about customers.
 - PhoneNumber (Primary Key, Short Text): Unique identifier for each customer. (Must be exactly 10 digits.)
 - CustomerName (Short Text): Name of the customer.
 - Address (Short Text): Address of the customer.



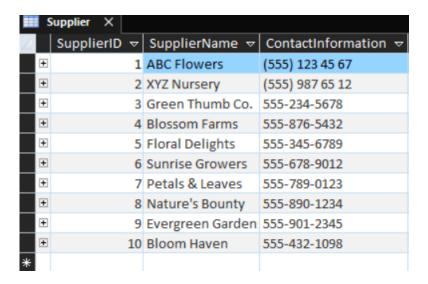
3. Flower Table:

- Flower Table: Holds information about various flowers available for sale.
 - FlowerName (Primary Key, Short Text): Latin name of each flower.
 - CommonName (Short Text): Common name of the flower.
 - **SellingPrice (Number):** Price at which the flower is sold. (Must be greater than zero)
 - FlowerPhoto (OLE Object): Photo of each flower.



4. Sale Table:

- Sale Table: Records information about sales transactions.
 - SaleID (Primary Key, Number): Unique identifier for each sale.
 - **DateofSale (Date/Time):** Date when the sale occurred. (Must be smaller than today's date)
 - PaymentMethod (Short Text): Method of payment (Cash, card, or direct transaction).
 - **InstallmentOption (Short Text):** Option available only if the person paid with a card.
 - **Amount (Number):** Total amount of the sale. (Must be equal or greater than zero)



5. Supplier Table:

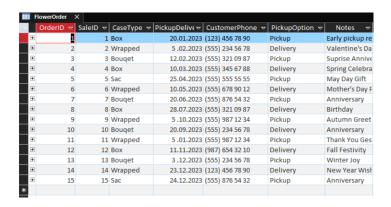
- Supplier Table: Stores information about suppliers.
 - SupplierID (Primary Key, Number): Unique identifier for each supplier.
 - SupplierName (Short Text): Name of the supplier.
 - **ContactInfo (Short Text):** Phone number of the supplier. (Must be exactly 10 digits.)



6. Flower Supplier Table:

- Flower Supplier Table: Records information about flower purchases from suppliers.
 - TransactionID (Primary Key, Number): Unique identifier for each transaction.
 - SupplierID (Number): Foreign key linking to the Supplier Table.
 - FlowerName (Short Text): Name of the flower purchased.
 - **DateofPurchase (Date/Time):** Date when the purchase occurred. (Must be smaller than today's date)

- Amount (Number): Total amount of the purchase.
- **Price (Number):** Price of each unit. (Must be greater than zero)
- **Cost (Calculated):** Cost associated with each unit. (Must be greater than zero)
- Notes (Long Text=: Additional notes related to the transaction.



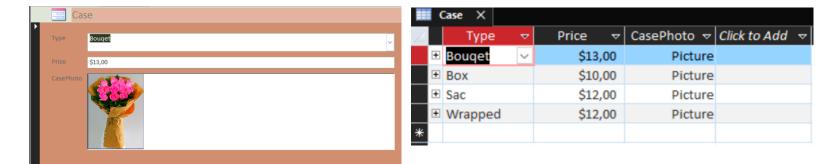
7. Flower Order Table:

- Flower Order Table: Holds information about customer orders.
 - OrderID (Primary Key, Number): Unique identifier for each order.
 - SaleID (Number): Foreign key linking to the Sale Table.
 - CaseType (Short Text): Type of case (Box, Sac, Wrapped, or Bouquet).
 - **Pickup/DeliveryDate (Date/Time):** Date of delivery or pickup (Must be smaller than today's date).
 - CustomerPhone (Short Text): Phone number of the customer.
 - PickupOption (Short Text): Option for delivery or pickup.
 - Notes (Long Text): Additional notes related to the order.

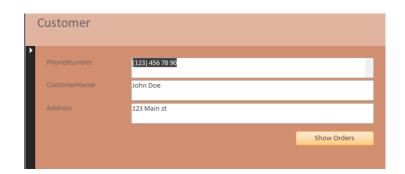
Ш	FlowerOrderDetail X			
_	FlowerName	OrderID च	Quantity 🔻	TotalPrice ▽
	Rosa gallica	1	2	43,48
	Tulipa gesneriana	1	1	26
	Lilium candidum	2	3	12,15
	Viola odorata	2	2	12,5
	Crocus sativus	2	4	75,96
	Dahlia pinnata	3	1	15
	Helianthus annuus	3	2	26,7
	Chrysanthemum morifolium	4	5	39,25
	Orchidaceae Cattleya	5	2	65,2
	Nymphaea caerulea	5	4	44,97
	Anemone coronaria	6	2	20,8
	Freesia refracta	6	3	11,45
	Hydrangea macrophylla	6	1	19,98
	Rosa gallica	7	3	21,74
	Tulipa gesneriana	7	2	39
	Lilium candidum	7	1	36,45
	Viola odorata	8	4	25

8. Flower Order Detail Table:

- Flower Order Detail Table: Contains details of flowers in each order.
 - FlowerName (Primary Key, Short Text): Foreign key linking to the Flower Table.
 - OrderID (Primary Key, Number): Foreign key linking to the Flower Order Table.
 - Quantity (Number): Quantity of each flower ordered.
 - Total Price (Number): Total price of each flower ordered.

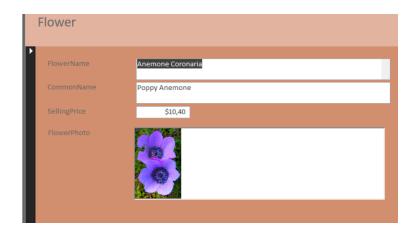


CaseForm form utilizes information from the Case table.



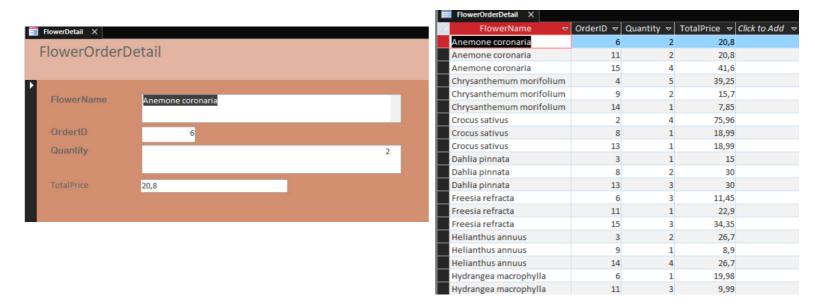


The customer form utilizes information from the Customer table.





The Flower List form utilizes information from the Flower Table.

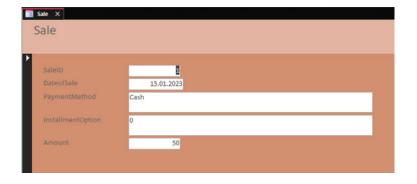


The FlowerOrderDetail form utilizes information from the FlowerOrderDetail Table.



The FlowerOrder form utilizes information from the FlowerOrder table.

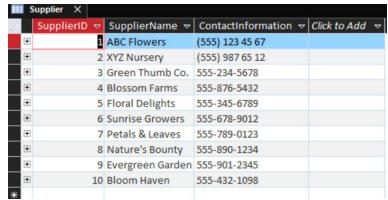






Sale form utilizes from Sale table.



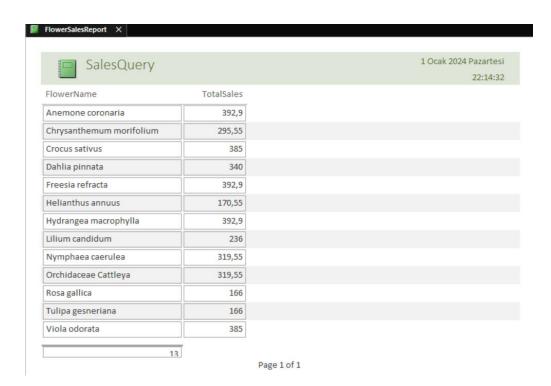


Supplier form utilizces from Supplier table.

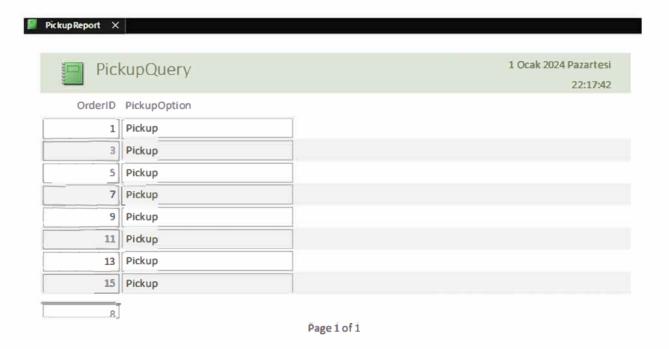


This report shows every type of case's total revenue and SQL of this report is this:

SELECT FlowerOrder.CaseType, Sum(Sale.Amount) AS TotalRevenue FROM FlowerOrder INNER JOIN Sale ON FlowerOrder.SaleID = Sale.SaleID GROUP BY FlowerOrder.CaseType;



FlowerSalesReport shows each flower's total sales and the SQL of this report is: SELECT [FlowerOrderDetail].FlowerName, Sum(Sale.Amount) AS TotalSales FROM (FlowerOrderDetail INNER JOIN FlowerOrder ON [FlowerOrderDetail].OrderID=FlowerOrder.OrderID) INNER JOIN Sale ON FlowerOrder.SaleID = Sale.SaleID GROUP BY [FlowerOrderDetail].FlowerName;



PickupReport shos us which order's pickup/delivery function is pickup and the SQL of this report is :

SELECT FlowerOrder.OrderID, FlowerOrder.PickupOption FROM FlowerOrder WHERE FlowerOrder.PickupOption = 'Pickup';



Page 1 of 1

PriceBasedCustomer report shows us the person who has made the most purchases in terms of price and SQL of this report is:

SELECT TOP 1 Customer.CustomerName, Customer.PhoneNumber,

SUM(FlowerOrderDetail.TotalPrice) AS TotalPrice

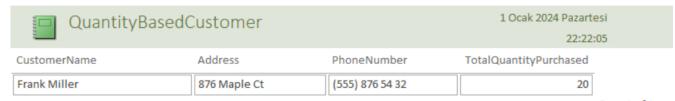
FROM (Customer INNER JOIN FlowerOrder ON Customer.[PhoneNumber] = FlowerOrder.

[CustomerPhone])

INNER JOIN FlowerOrderDetail ON FlowerOrder.[OrderID] = FlowerOrderDetail.[OrderID]

GROUP BY Customer.CustomerName, Customer.PhoneNumber

ORDER BY Customer.CustomerName;



Page 1 of 1

QuantityBasedCustomer report shows us the person who has made the most purchases in terms of quantity and SQL of this report is:

SELECT TOP 1 Customer.CustomerName, Customer.Address, Customer.PhoneNumber, TotalQuantityPurchased

FROM Customer INNER JOIN (SELECT FlowerOrder.CustomerPhone,

SUM(FlowerOrderDetail.Quantity) AS TotalQuantityPurchased FROM FlowerOrder INNER JOIN

FlowerOrderDetail ON FlowerOrder.OrderID = FlowerOrderDetail.OrderID GROUP BY

FlowerOrder.CustomerPhone) AS SubQuery ON Customer.PhoneNumber =

SubQuery.CustomerPhone

ORDER BY TotalQuantityPurchased DESC;

QuantityBasedSupplier	1 Ocak 2024 Pazartesi 22:23:49
SupplierID SupplierName	TotalAmountSupplied
1 ABC Flowers	100

Page 1 of 1

The Quantity-Based Supplier report displays the supplier that has contributed the highest quantity in terms of supplied goods and SQL of this report is:

SELECT TOP 1 Supplier.SupplierID, Supplier.SupplierName, SUM(FlowerSupplier.Amount) AS TotalAmountSupplied

FROM Supplier INNER JOIN FlowerSupplier ON Supplier.[SupplierID] = FlowerSupplier. [SupplierID]

GROUP BY Supplier.SupplierID, Supplier.SupplierName

ORDER BY Supplier.SupplierID;

User Manual



Open Form List Opens the list of forms.

Open Reports List

Opens the list of reports.

Open Tables List Opens the list of tables.

Reports

Case Revenue Report → Opens Case Revenue Report

Flower Sales Report — Opens Flower Sales Report

Pickup Report — Opens Pickup Report

Price Based Customer Report — Opens Price Based Customer Report

Quantity Based Customer Report —Opens Quantity Based Customer Report

Quantity Based Supplier Report

Opens Quantity Based Supplier Report

Tables

Case Table —Opens Case Table

Customer Table → Opens Customer Table

Error Table → Opens Error Table

Flower Table → Opens Flower Table

Flower Order Table — Opens Flower Order Table

Flower Order Detail Table

Opens Flower Order Detail Table

Flower Supplier Table

Opens Flower Supplier Table

Sale Table → Open Sale Table

Supplier Table → Open Supplier Table



Displays the orders placed by the customer in the form.

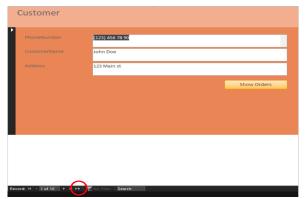
- 1. How to add a customer?
- 2. How to add a case?
- 3. How to add a flower?
- 4. How to add a supplier?
- 5. How to enter multiple flowers in an order?
- 6. How to input sales details?
- 7. What is the error you encountered, and how to view new error codes?
- 8. How to enter an order?
- 9. How to enter a flower received from the supplier?



Click "Open Form List".



Click "Customer List Form".



In the opened table click to the symbol showed with the red circle. In that emtpy form you can enter new customer's informations.

Click "Open Form List".



Click "Case Form".

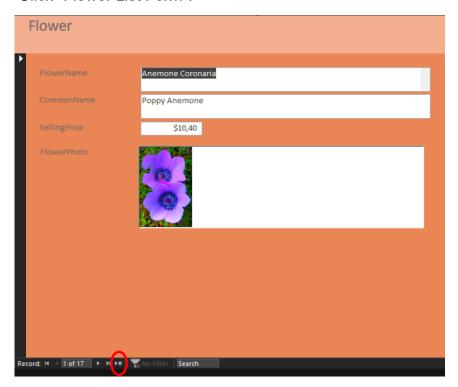


Click on the symbol highlighted with the red circle in the open table. In the empty form that appears, you can input new case information.

Click "Open Form List".



Click "Flower List Form".



Click on the symbol highlighted with the red circle in the open table. In the empty form that appears, you can input new flower.

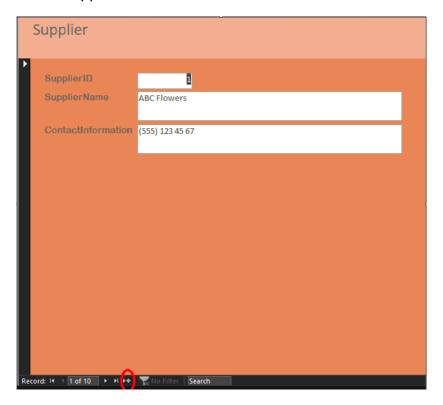
4-

Open Form List Open Reports List Open Tables List

Click "Open Form List".



Click "Supplier List Form".

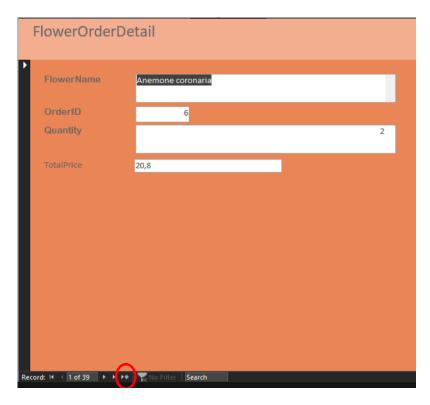


Click on the symbol highlighted with the red circle in the open table. In the empty form that appears, you can input new supplier's information.

Click "Open Form List".



Click "Flower Order Detail".

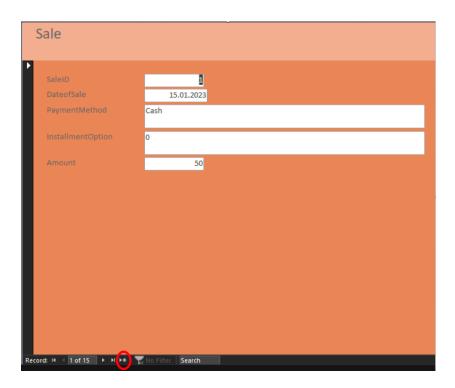


Click on the symbol highlighted with the red circle in the open table. In the empty form that appears, you can input multiple flowers in an order.

Click "Open Form List".



Click "Sale Form".



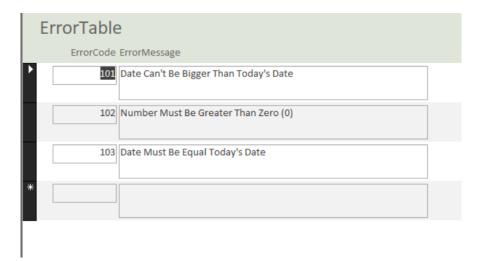
Click on the symbol highlighted with the red circle in the open table. In the empty form that appears, you can input new flower payment method, insallment option etc. .



Click "Open Form List".



Click "Error Table Form".



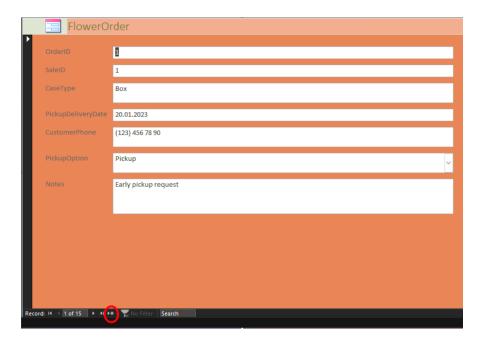
In this form you can view the error codes and their meanings.

To add a new error code you can simply enter the error code and the message to the empty space.

Click "Open Form List".



Click "Flower Order".



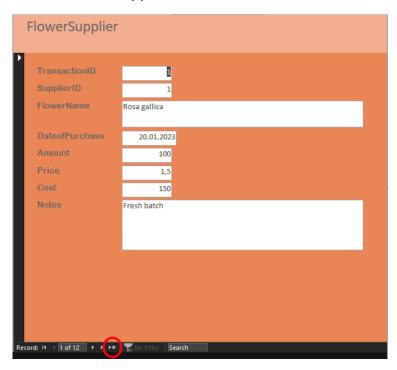
Click on the symbol highlighted with the red circle in the open table. In the empty form that appears, you can input flower orders.



Click "Open Form List".



Click "Flower Supplier Form".



Click on the symbol highlighted with the red circle in the open table. In the empty form that appears, you can input flower that you bought from your supplier with the additional informations.