Table User {

UserID int [primary key]

Name varchar

Email varchar

Phone varchar

Role varchar // Farmer or Dealer

Password varchar

}

Table Farmer {

FarmerID int [primary key]

UserID int [foreign key] // Links to User

Location varchar

BankAccountDetails varchar

}

Table Dealer {

DealerID int [primary key]

UserID int [foreign key] // Links to User

BusinessName varchar

BankAccountDetails varchar

}

Table Crop {

CropID int [primary key]

Name varchar

Type varchar // Vegetable or Fruit

Quantity int

Price decimal

Location varchar

FarmerID int [foreign key] // Links to Farmer

}

Table Orders {

OrderID int [primary key]

CropID int [foreign key] // Links to Crop

DealerID int [foreign key] // Links to Dealer

Quantity int

AgreedPrice decimal

Status varchar // Pending, Completed

PaymentStatus varchar // Success, Failed

}

Table Payment {

PaymentID int [primary key]

OrderID int [foreign key] // Links to Orders

Amount decimal

PaymentMethod varchar // Credit, Debit, UPI

Status varchar // Success, Failed

}

Table Invoice {

InvoiceID int [primary key]

OrderID int [foreign key] // Links to Orders

GeneratedDate datetime

TotalAmount decimal

}

Table Subscription {

SubscriptionID int [primary key]

DealerID int [foreign key] // Links to Dealer

CropType varchar

}

// Relationships

Ref: Farmer.UserID > User.UserID

Ref: Dealer.UserID > User.UserID

Ref: Crop.FarmerID > Farmer.FarmerID

Ref: Orders.CropID > Crop.CropID

Ref: Orders.DealerID > Dealer.DealerID

Ref: Payment.OrderID > Orders.OrderID

Ref: Invoice.OrderID > Orders.OrderID

Ref: Subscription.DealerID > Dealer.DealerID