Table Design

FarmConnect

Empowering Agricultural Commerce through Digital Platform

1. Table: Users
Primary Key: UserID

Field Name	Data Type	Key Constraints	Field Description
UserID	String	Primary Key	Unique identifier
Role	String	Not Null	Role (Admin, Farmer, Buyer)
Username	String	Not Null	Username
Password	String	Not Null	Password
Name	String	Not Null	First name
Email	String	Not Null	Email address
Phone	String	Not Null	Phone number
Status	String	Not Null	User status (Blocked, Active)
Address	String	Not Null	User Image

2. Table: Products
Primary Key: ProductID
Foreign Key: UserID foreign key references (Users)

Field Name	Data Type	Key Constraints	Field Description
ProductID	String	Primary Key	Unique product ID
UserID	String	Foreign Key	User Table Reference
ProductName	String	Not Null	Product name
Category	String	Not Null	Product category
Price	String	Not Null	Product price
Description	String	Not Null	Product description

3. Table: Inventory
Primary Key: InventoryID
Foreign Key: ProductID foreign key references (Products)

Field Name	Data Type	Key Constraints	Field Description
InventoryID	String	Primary Key	Unique inventory ID
ProductID	String	Foreign Key	Product in inventory
ProductName	String	Not Null	Name of product
Quantity	String	Not Null	Quantity of product

4. Table: Cart
Primary Key: CartID
Foreign Key: ProductID foreign key references (Products)

Field Name	Data Type	Key Constraints	Field Description
CartID	String	Primary Key	Unique cart ID
ProductID	String	Foreign Key	Product in cart
Quantity	String	Not Null	Quantity of item

5. Table: Order
Primary Key: OrderID
Foreign Key: UserID foreign key references (Users)

Field Name	Data Type	Key Constraints	Field Description
OrderID	String	Primary Key	Unique order ID
UserID	String	Foreign Key	User Table Reference
OrderDate	String	Not Null	Date of the order
Status	String	Not Null	Order status

6. Table: Invoice
Primary Key: InvoiceID
Foreign Key: OrderID foreign key references (Orders)

Field Name	Data Type	Key Constraints	Field Description
InvoiceID	String	Primary Key	Unique invoice ID
OrderID	String	Foreign Key	Order Table Reference
TotalAmount	String	Not Null	Total amount paid
PaymentStatus	String	Not Null	Payment status