

REPORT DATABASE SYSTEM

PROJECT-TITLE:" FARMING MANAGEMENT SYSTEM"

RELATIONAL DATABASE TABLES

1.FARMER TABLE:

FARMER_ID(PK)	NAME	PHONE
1	Ahmed Ali	1234567890
2	Abdullah Mohsin	1234567890
3	Arish Khan	1234567890
4	Faheem Abbas	1234567890
5	Raman Soquel	1234567890

2.FARM TABLE:

FARM_ID(PK)	NAME	ADDRESS	FARMER_ID(FK)
1	Sunny Farm	123 Green Road	3
2	Green Valley Farm	45 Canal View	4
3	Pakistani Orchard	78 Mango Street	3
4	Golden Wheat Fields	12 Lahore Avenue	4
5	Golden Wheat Fields	90 Karachi Road	2

3.INPUT INVENTORY TABLE:

INVENTORY_ID(PK)	ITEM_NAME	QUANTITY	FARMER_ID(FK)
1	Wheat Seeds	500	3
2	Fertilizer	300	2
3	Pesticides	150	2
4	Tractor Fuel	200	3
5	Irrigation Pipes	50	4

4.FIELD TABLE:

FIELD_ID(PK)	FARMER_ID(FK)	SIZE	FARM_ID(FK)	CROP_ID(FK)
1	2	10.50	3	3
2	4	15.00	4	4
3	3	8.25	2	2
4	5	12.00	4	4
5	5	20.00	3	3

5.FINANCIAL TRANSACTIONS TABLE:

TRANSACTION_ID(PK)	TYPE	AMOUNT	FARM_ID(FK)
1	Crop Sale	1500.00	5
2	Fertilizer Purchase	2500	2
3	Seed Purchase	4300	5
4	Equipment Maintenance	1200	2
5	Milk Sale	1000	4

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6.IRRIGATION SCHEDULE TABLE:

SCHEDULE_ID	WATER_REQUIREMENT	FREQUENCY(WEEKLY/DAILY)	FIELD_ID(FK)
1	500.00	Weekly	2
2	300.00	Bi-Weekly	2
3	600.00	Monthly	4
4	700.00	Weekly	5
5	250.00	Weekly	4

7.FERTILIZERS TABLE:

ANALYSIS_ID(PK)	FIELD_ID(FK)	FERTILIZER_TYPE	FERTILIZER_LEVEL
1	2	Nitrogen	12.50
2	2	Phosphorus	15.00
3	3	Potassium	10.00
4	4	Organic Compost	8.00
5	5	Micronutrients Mix	20.00
6	3	Organic Compost	13.98
7	5	Micronutrients Mix	15.67
8	1	Organic Compost	13.91
9	4	Nitrogen	17.89
10	1	Micronutrients Mix	14.56

8.CROP TABLE:

CROP_ID(PK)	NAME	CROP_TYPE
1	Wheat	Grain
2	Rice	Grain
3	Cotton	Fiber
4	Sugarcane	Cash Crop
5	Mango	Fruit

9.HARVEST RECORD TABLE:

HARVEST_ID(PK)	YIELD QUANTITY(Kg/Ton)	DATE OF HARVEST	CROP_ID(FK)
1	2000.00	2024-12-15	4
2	3500.00	2024-11-30	4
3	2500.00	2024-10-20	5
4	4000.00	2024-12-01	3
5	1500.00	2024-07-15	3