USERS

uid : varchar (PK)

full_name : varchar

email : varchar

mobile : varchar

FARMERS

uid : varchar (PK)

first_name : varchar

last_name : varchar

mobile, state, district

BUYERS

uid : varchar (PK)

first_name : varchar

last_name : varchar

mobile, state, district

CROPS

id : bigint (PK)

farmer_uid : varchar (FK)

crop_type, quantity, harvest_date

ORDERS

id : bigint (PK)

buyer_uid : varchar (FK) — buyer_name (snapshot)

farmer_uid : varchar (FK) — farmer_name (snapshot)

crop_id : bigint (FK), crop_name, crop_type, quantity

status, created_at

ORDER_STATUS_HISTORY

id : bigint (PK)

order_id : bigint (FK)

status, remarks, changed_at

RATINGS

id : bigint (PK)

farmer_uid : varchar (FK)

buyer_uid : varchar (FK), rating, review, created_at

NOTIFICATIONS

id : bigint (PK)

buyer_uid : varchar (FK)

message, created_at, read_flag

Note: Orders store denormalized snapshot fields (buyer_name, farmer_name, crop_name) to preserve historical information when profiles change.

FK policies used in starter DDL: ON DELETE SET NULL (profiles) and ON DELETE CASCADE for timeline/history where appropriate.

Generated diagram — suitable for printing and inclusion in documentation.