Agricultural Database

By Dreamkillers

1. 2019101098
2. 2019101102
3. 2019101100

Relational model

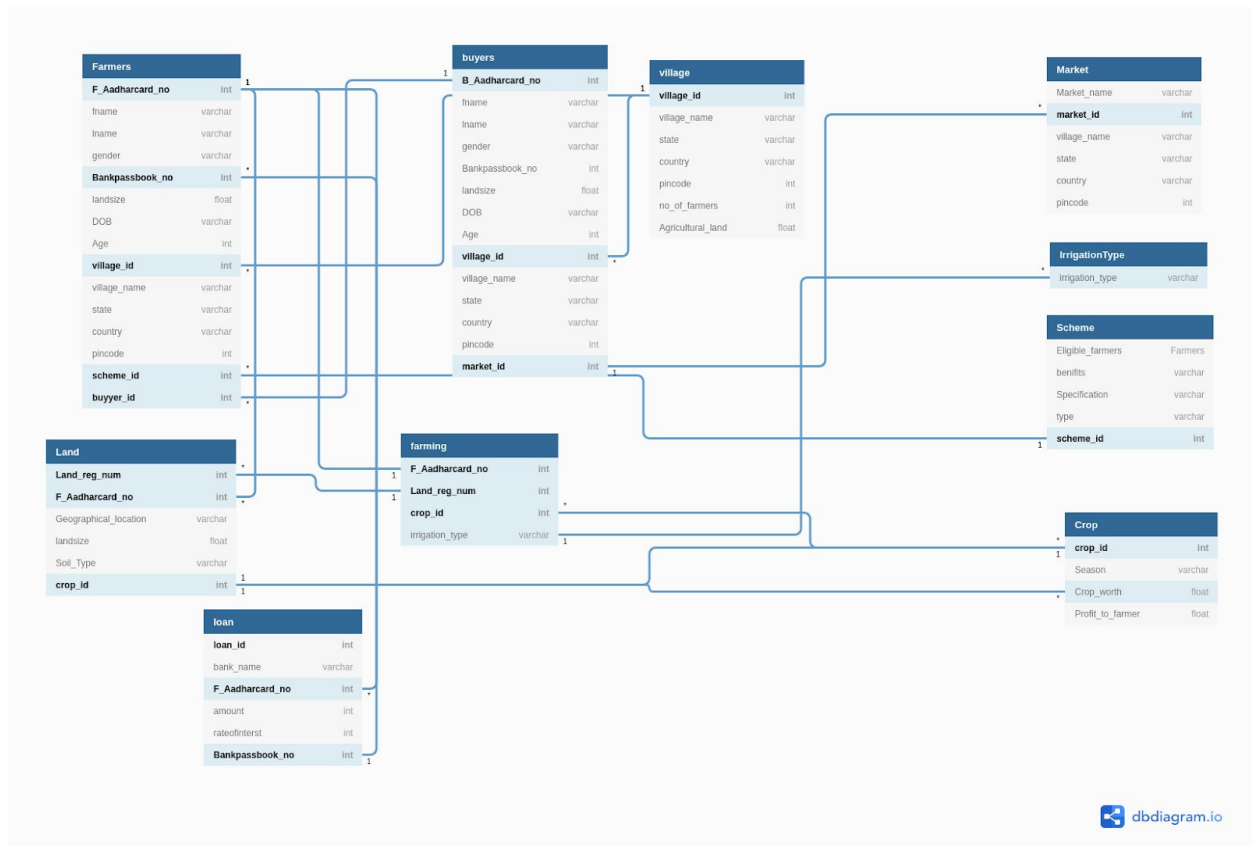https://dbdiagram.io/d/5f641bb57da1ea736e2e567f
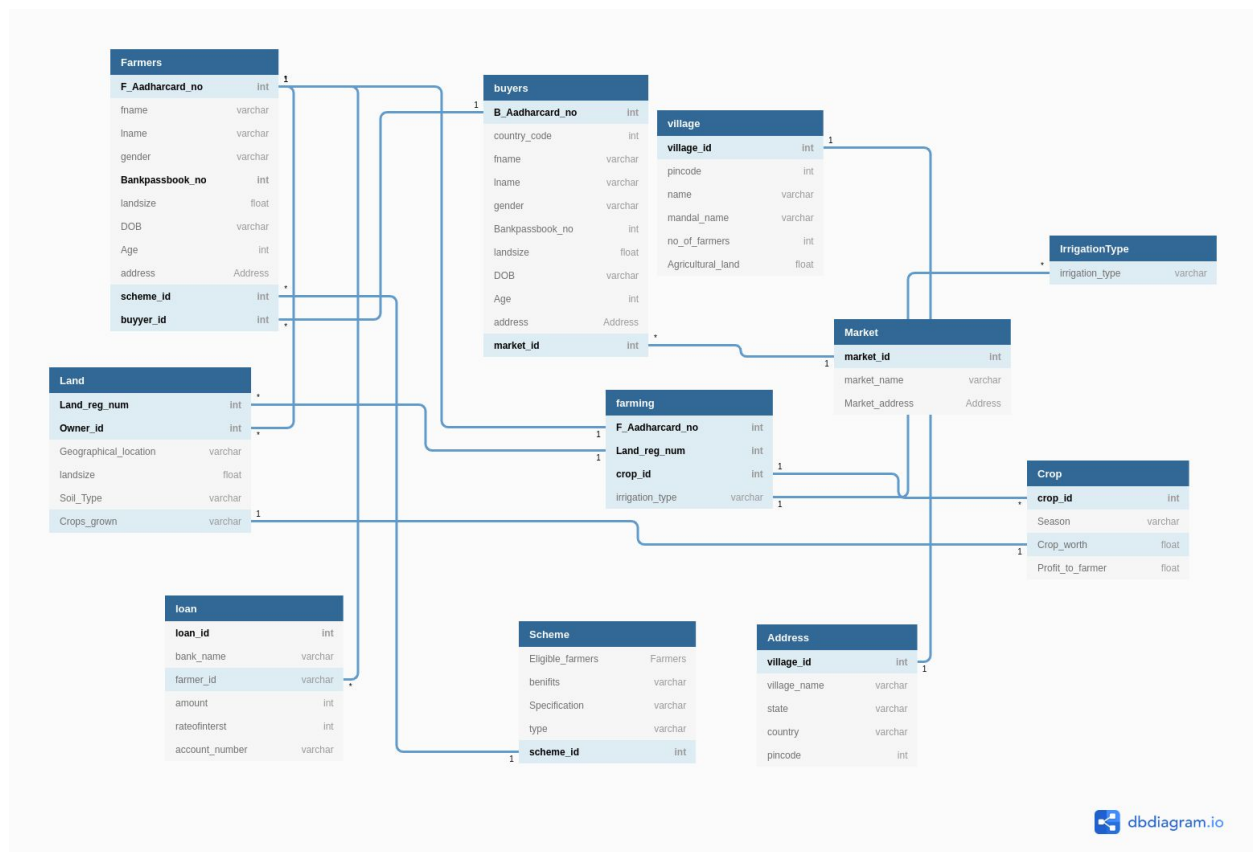
1NF

 Columns have the atomic values, values of the same type and unique names/ identifiers.The changes we made here is

1.Removed composite attributes from the farmer entity type and changed it to atomic.

https://dbdiagram.io/d/5f64987a7da1ea736e2e646c

2NF

All non-prime attributes are fully functional depending on the candidate key.

Changes:

1.Separated the person details of farmer and buyer and created a separate schema to access the personal details.
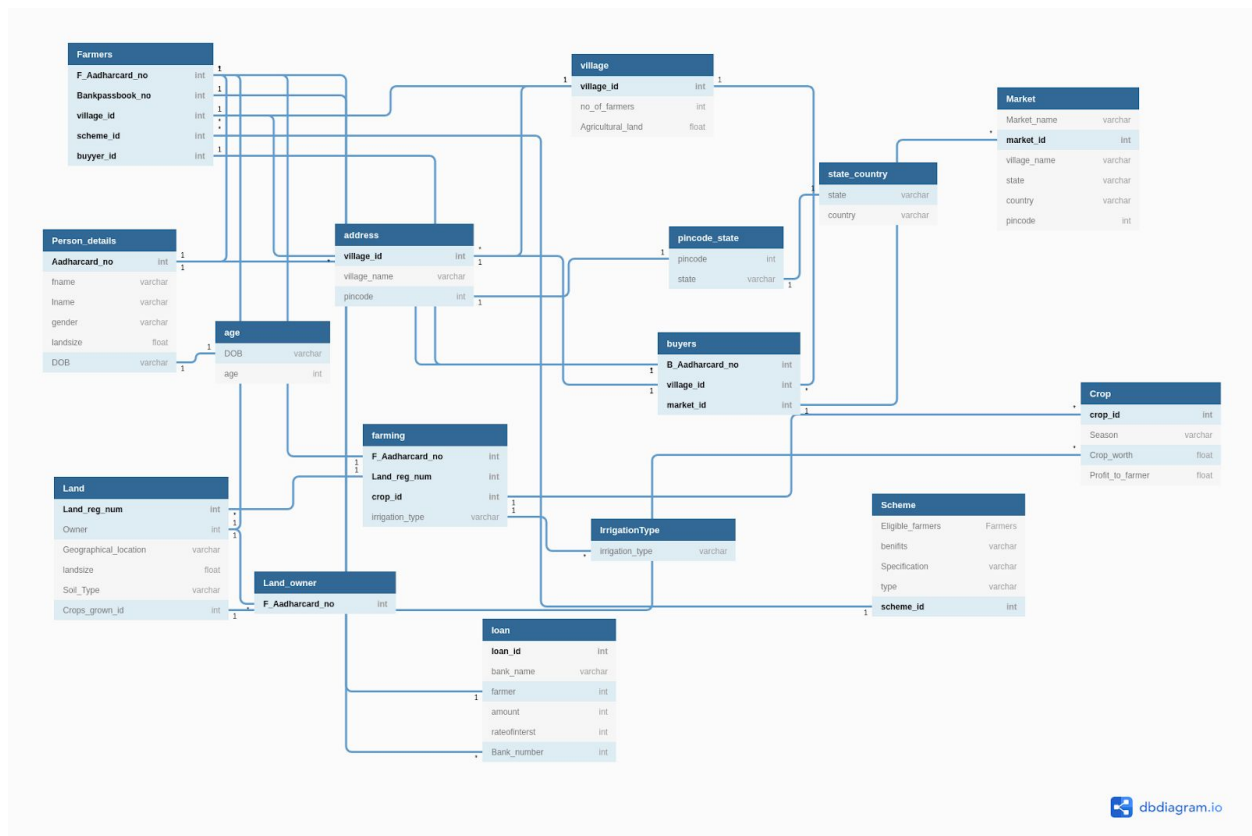
2. Created a separate schema for land owner.

https://dbdiagram.io/d/5f649f167da1ea736e2e652d
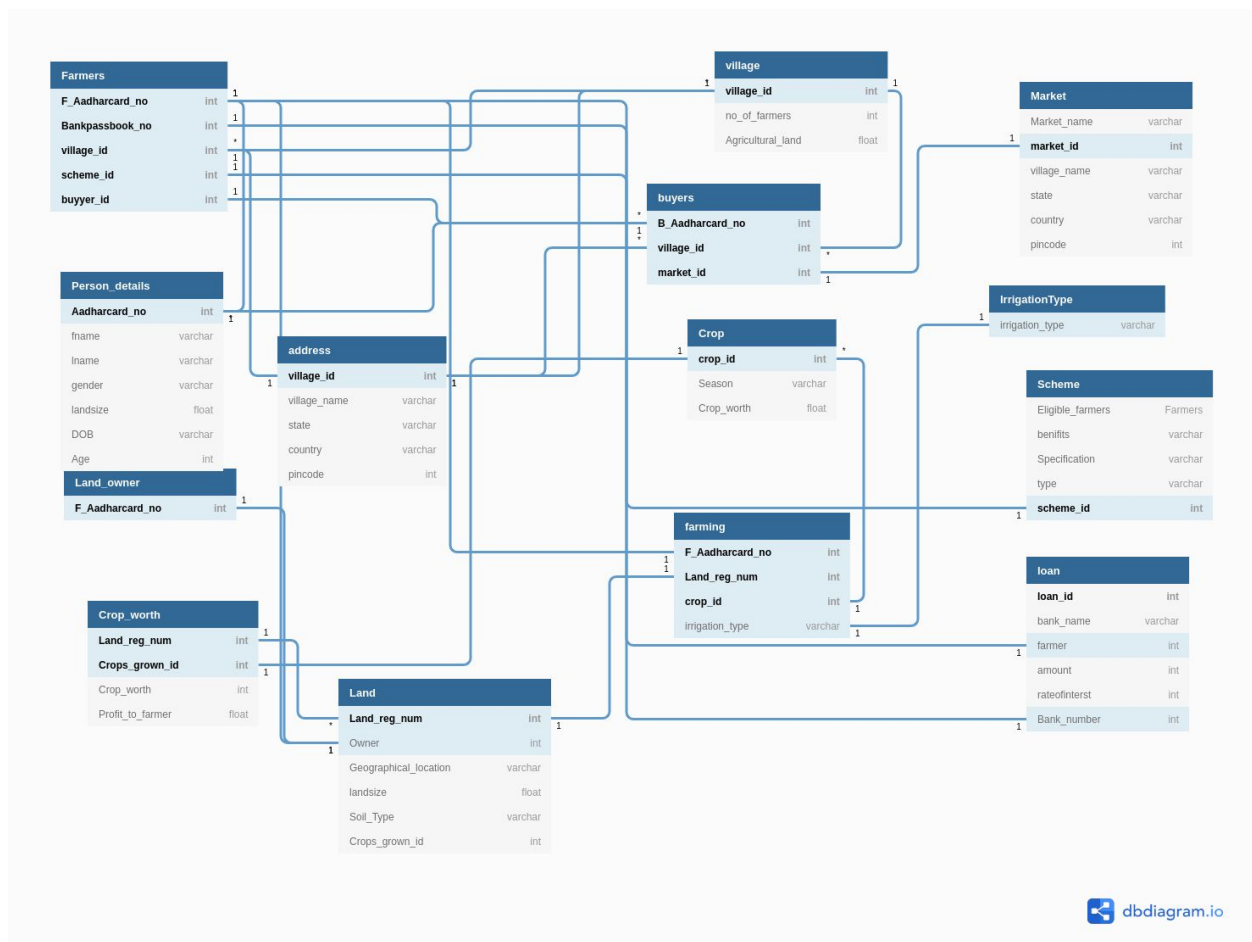
3NF:

Transitive independency

Changes:

Removed Transitive dependency in two cases:

1. In person_details schema, DOB depends on age but it doesn't depend on the aadhar card no of the person.
2. In the Address schema, state depends on country, pincode depends on village. so,we divided it into separate schemas.

https://dbdiagram.io/d/5f671dbc7da1ea736e2e8a3d