CSC 261 DATABASE PROJECT MILESTONE 3 PART A

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Relations:
The list of 7 relations:
- CONSUMER
- FARMER
- FARM
- ANIMAL
- PLANT
- CART
- ONSALECART

Functional Relations used:

CONSUMERID → (PHONE, NAME, ADDRESS, AGE)

FARMERID → (PHONE, NAME, ADDRESS, BIRTH, EMAIL)

(FARMID, FARMERID) → (NAME, ADDRESS, IFPLANT, IFANIMAL, IFBOTH)

(FARMID, ANIMALSCNAME) → (NAME, PRICE, AMOUNTSALE, AMOUNT, UNIT, CONDITION)

(FARMID, PLANTSCNAME) → (NAME, PRICE, AMOUNTSALE, AMOUNT, UNIT, CONDITION)

(CONSUMERID, CUSTCARTID) → (ANIMALS, PLANTS)

(FARMID, CARTID) → (ANIMALS, PLANTS)

Changes:

I edited the plant's and animal's SCIENTIFICNAME attributes to PLANTSCNAME and ANIMALSCNAME in order to mark them differently. I also deleted HISTORY attribute from CONSUMERID as I currently don't have a way of producing historic consumer data.

Conclusion:

The seven relations are in first second and Boyce-Codd normal forms.