

Outline

I live in area which is huge in Agriculture. Growing up my father has been involved in raising and selling horses. Most times selling a horse as an individual can be very challenging. The reason it's so challenging because most sales are made through word of mouth. A farmer will let another farmer to tell his friends and so on until a buyer is found. This type of customer acquisition can be very time consuming. There are not very many good platforms that is specific sales to only horses.

I decided to create a database platform that will be able to have everything needed to help a potential buyer know all the information needed to facilitate sales. It would be very interesting to see the many different breeds and enthusiast in nearby areas selling or buying horses. With such database overtime we can see changes in prices per area or even per breed. Many queries can show very interesting data for people who do this for a living.

Database Outline in Words

Animal - The Base class for all the information about the horse needed to know enough about its breed, Location, Price, Medical history and owner of the animal.

Breeds - The specific breed of the horse being uploaded and the country of origin of such breed. (e.g Quarter Horse, North America).

Owner - Persons information of the Horse being put up for sale and the information needed to contact owner if needed. Information such as name, email and phone number. This is connected to the animal by a foreign key reference every time a horse is added to the database a Owner_id must be added to be valid.

Address - The location of the horse that is being added to the database. This is also tied to the base class Animal by a foreign key reference. The address_id must be a attribute in the Animal entity in order to know the exact location of each animal that is for sale.

Medical_Record = This is a table that holds a medical history of the animal that is being sold which is connected by two foreign reference keys one to owner and one to Animal. When selling an animal its medical record is very important to have at hand to give your buyer peace of mind over their investment similar to a carfax. This is a many-to-many relationship in fact, implemented as two one-to-many relationships, with the introduction of the junction table.

Database Schema

