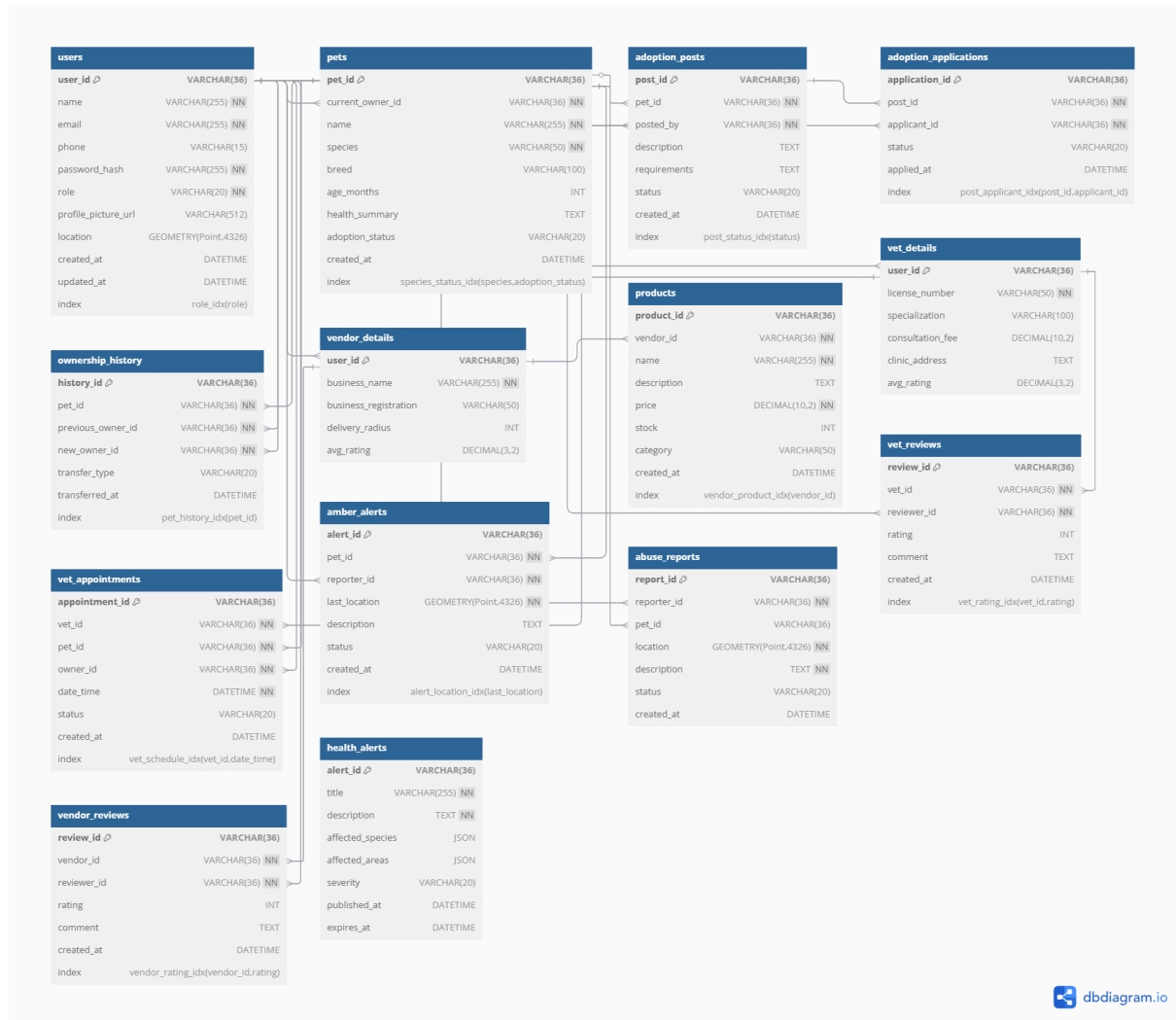


Database

High Level Design



Link to Database

dbdiagram.io

Entities

Core Entities

User

- All platform users (pet owners, adopters, vendors, vets, NGOs, volunteers).
- Attributes: Name, email, phone, role, location, profile picture.

Pet

- Profiles of pets (owned or available for adoption).
- Attributes: Name, species, breed, age, health summary, current owner.

Adoption System

AdoptionPost

- Posts created by owners to list pets for adoption.
- Attributes: Description, requirements, status.

AdoptionApplication

- Applications submitted by users to adopt a pet.
- Attributes: Applicant details, application status.

OwnershipHistory

- Historical record of pet ownership transfers.
- Attributes: Previous/new owner IDs, transfer type (adoption/purchase).

Vendor System

VendorDetail

- Extended profile for vendors selling pet products.
- Attributes: Business name, delivery radius, registration details.

Product

- Items sold by vendors (food, toys, accessories).
- Attributes: Name, price, stock, category.

Vet System

VetDetail

- Extended profile for veterinarians.
- Attributes: License number, specialization, clinic address.

VetAppointment

- Scheduled appointments between vets and pet owners.
- Attributes: Date/time, appointment type (online/in-person).

Community Features

AmberAlert

- Missing pet alerts broadcasted to the community.
- Attributes: Last known location, description, status.

AbuseReport

- Reports of animal cruelty or neglect.
- Attributes: Location, evidence, reporter details.

Rating System

VetReview

- Ratings and reviews for veterinarians.
- Attributes: Rating (1-5), comments.

VendorReview

- Ratings and reviews for product vendors.
- Attributes: Rating (1-5), comments.

Health System

HealthAlert

- Notifications about disease outbreaks (e.g., rabies).
- Attributes: Affected species, severity, expiration date.