

VetGo

Required deliverable: a functioning cross platform mobile application (Android, iOS, web) that connects pet owners to local licensed veterinarians using a model similar to Uber.

Required Functionality:

1. Main Functionality

- Pet owner can use application to request an appointment with a licensed veterinarian in local area.
- Screening questions for pet owner to determine severity of pet condition.
 - if severe, app will present recommendations for nearest pet hospitals that have emergency services available.
- Application utilizes machine learning model and suggest symptoms/conditions to pet owner.
- Application syncs with veterinarian's calendar .
- Application remains open in background.
- Two-factor authentication.
- ID/license verification for veterinarian.
- Online payments through application.
- HIPAA compliance with pet medical records.
- Wellness examination functionality.

2. Frontend

- Speech-to-text engine to convert speech to text.
- Present appointment guidelines to pet owner/veterinarian.
- Appointment notifications for veterinarians and pet owners.
 - Veterinarians can accept/decline appointments.
 - Notifies veterinarians of travel time to pet owner.
 - Notifies pet owners of veterinarian's estimated arrival time.
- Application will notify veterinarians if they are able to accept appointment requests based on their synced calendar.
- Pet medical record release to veterinarian after appointment confirmation.
- Application requests billing information from pet owner.

3. Backend

- Support for multiple users (veterinary doctor, pet owner, administrator).
- Ingest/utilize Pets WebMD database to create model for text to conditions/symptoms.