



VetGo

The Uber App For Vets

Group 2



What is **VetGo**?

VetGo is an app designed to function like Uber for veterinarians. Through this app, clients are able to post their pet details and create appointments for the vets in the area to choose to take. The goal of this app is to make a quick easy to use guide for owners to get help for their pets, and for vets to find work.

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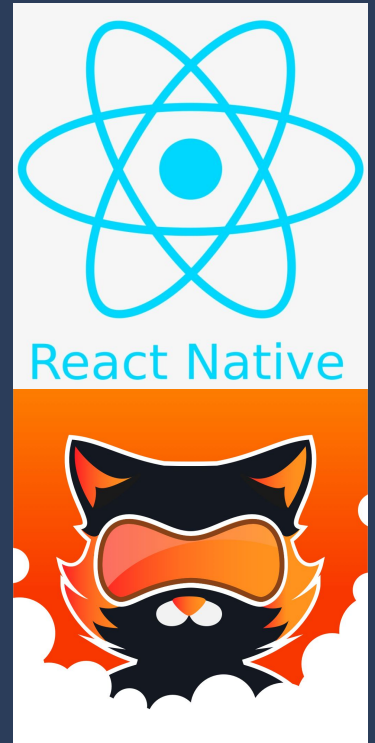


01.

**Design and
Implementation**

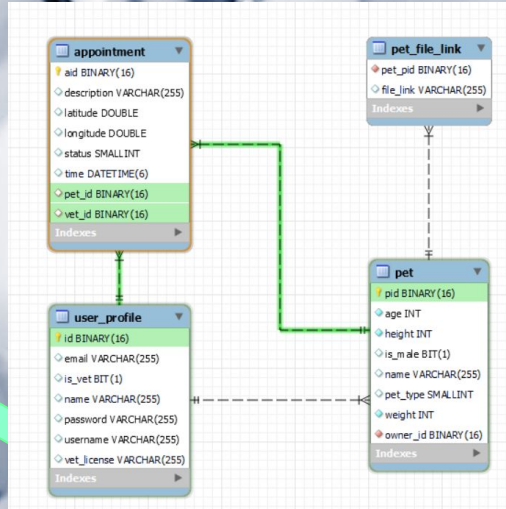
FrontEnd

- React Native and UI Kitten Framework for FrontEnd UI Design
- Custom Styling to match the look and feel of a modern app
- Modularity and Readability of code
- Completed:
 - i. Signup, Login
 - ii. Vet and User Home Screen,
 - iii. Create Appointment, View Appointment
 - iv. View Pet Details, Add / Edit Pet Detail
 - v. Setting Page



BackEnd

- Amazon Web Services
- RESTful implementation with ResponseEntity
- Location query through JPA
- Model, Controllers, Service, Config, Repository Modularity
- JDBC authentication/authorization with custom user roles (Work in progress)
- Completed:
 - I. User, Appointment, Pet, Pet File, Payment
 - II. Location Query for Existing Coord
 - III. Elastic Beanstalk, RDS, S3 Bucket integration





02.

Obstacles

Obstacles

Frontend:

- Difficulty in finding resources for google map api implementation
- Difficulty in testing the application
- Fetching data from backend to frontend
- Package Dependency Conflicts



Obstacles

Backend:

- Industry standard Payment API will require some major refactoring of code (Stripe API, Marqueta API)
- Troubleshooting database relations with JPA injections
- Limited budget for subscriptions
- Spring Security has received some major update that deprecated most guides / resources



DB identifier	Role	Engine	Region & AZ	Size	Status
vetgodb	Instance	MySQL Community	us-east-2c	db.t3.micro	⊖ Stopped temporarily

AWS Free Tier usage limit alerting via AWS Budgets 03/04/2023

Dear AWS Customer,

Your AWS account 628564164363 has exceeded 85% of the usage limit for one or more AWS Free Tier-eligible services for the month of March.

Product	AWS Free Tier Usage as of 03/04/2023	Usage Limit	AWS Free Tier Usage Limit
AmazonRDS 18.46102121 GB-Mo		20 GB-Mo	20.0 GB-Mo for free for 12 months as part of AWS Free Usage Tier (Global-RDS:StorageUsage)

AWS Free Tier usage limit alerting via AWS Budgets 03/21/2023

Dear AWS Customer,

Your AWS account 628564164363 has exceeded 85% of the usage limit for one or more AWS Free Tier-eligible services for the month of March.

Product	AWS Free Tier Usage as of 03/21/2023	Usage Limit	AWS Free Tier Usage Limit
AmazonRDS 639.508054 Hrs		750 Hrs	750.0 Hrs for free for 12 months as part of AWS Free Usage Tier (Global-InstanceUsage:db.t1.micro)

Remaining Work

- Filling in details of appointment with backend information
- Creating a review option for created appointments
- Creating a fully functional payment system
- Refactoring backend for there to exist two different users
- Fully implementing map to calculate distance and time between two users
- File uploading for clients and vets



Additional Feature

- Syncing gmail and outlook calendars for appointments
- Suggesting clients possible symptoms using machine learning
- Using websockets to allow clients and vets to chat prior to the completion of the appointments
- Implementing security to payment systems in the backend





Current Progress & Work Timeline

Current Progress

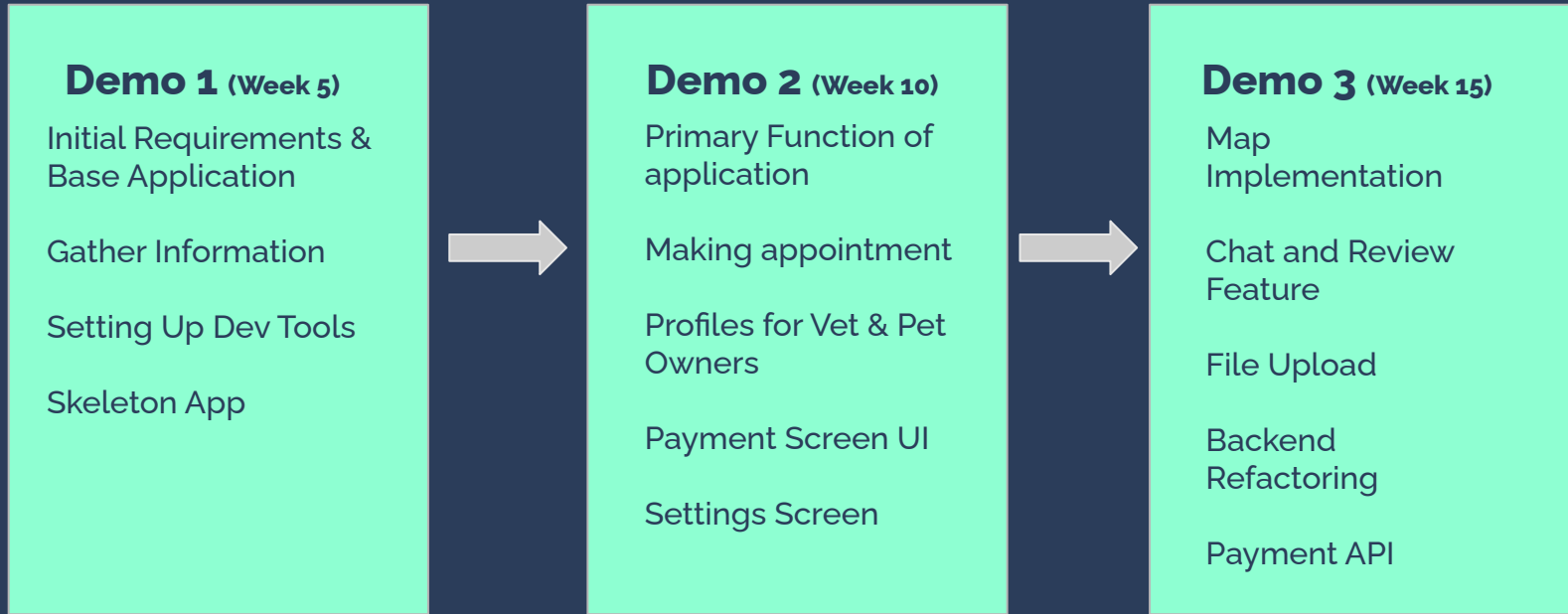
Frontend

- Finished most of appointment screen
- Finished UI part for payment screen
- Finished add/edit pet screen
- Finished settings screen
- Finished UI part for some user info update screens
- Able to collect user's location and view appointments nearby

Backend

- Refactor and fixed all previous relations and User/Pet class
- Created a new appointment class
- Created a query to find the nearest appointment
- Implemented Cloud MySQL with Elastic BeanStalk
- Implemented File Storage with S3 Bucket

Work Timeline



CURRENT

A man in a white sweater is sitting at a desk in a classroom, writing in a notebook. The scene is dimly lit with a blue overlay. There are green decorative lines in the top left and top right corners. The word "Demo" is written in white in the center of the image.

Demo

VetGo
--UNDER DEVELOPMENT--

LOGIN

SIGNUP

EMERGENCY

Questions?