

# Week 10 Presentation



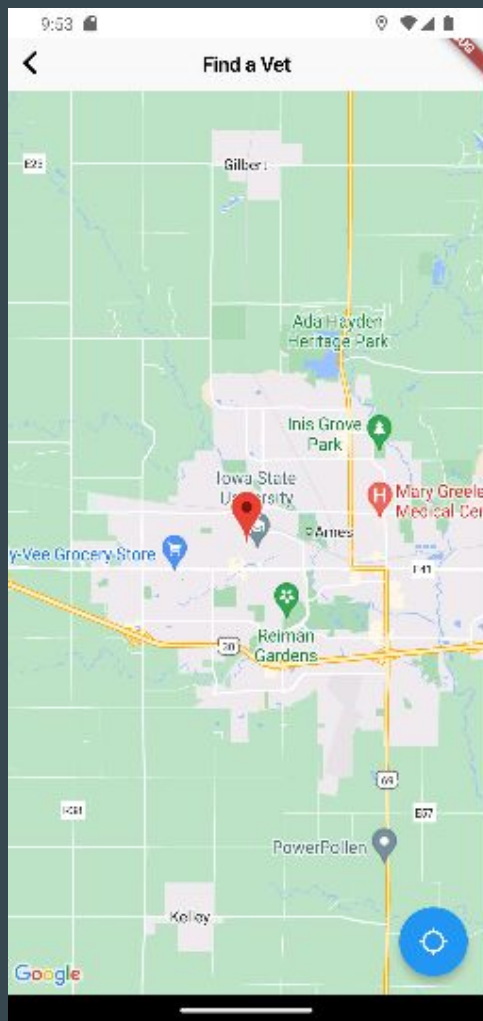
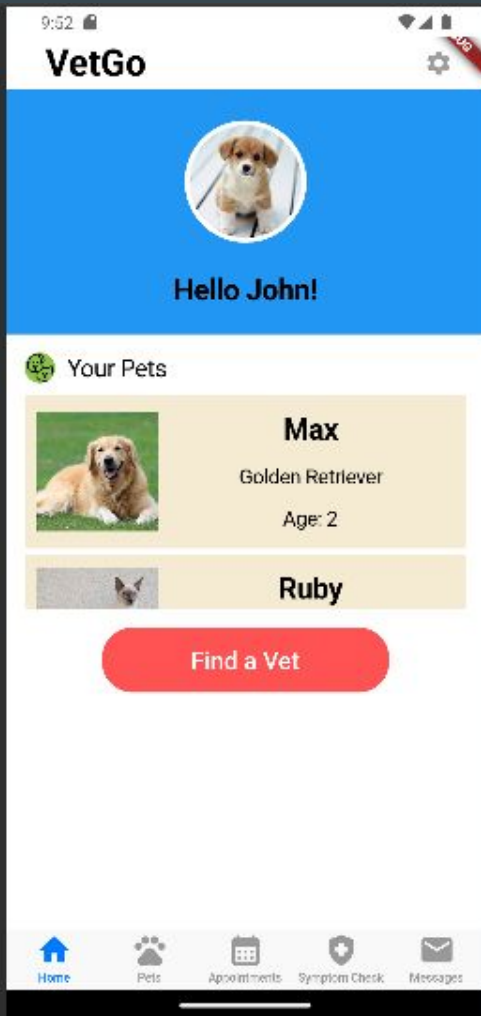
Group 2 VetGo-1

# What is VetGo?

VetGo is designed for veterinarians to provide services without having a dedicated physical space. The functionality of the app is like Uber. Pet owners can send out a service request to veterinarians in their area and a vet can choose to accept the request. Whoever accepts the request first will be given an approximate timeline of service along with costs. Currently, the app only supports dog and cats.

# Front-End Design & Implementation

- a. Flutter with external packages
- b. Custom components on top of built in packages
- c. Finished: Login, Sign Up, Userprofile, Map, Profile, Home Page
- d. CRUD

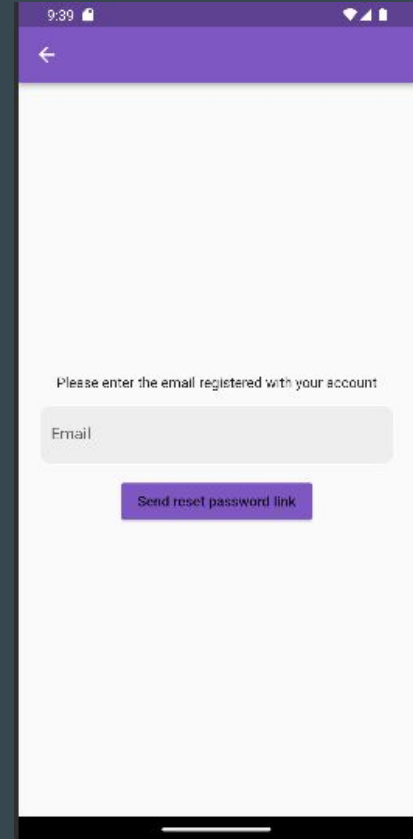
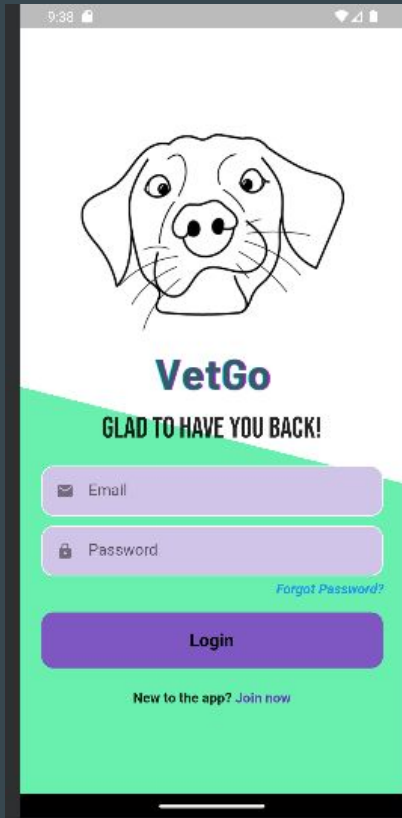


```
class VetMap extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: CupertinoNavigationBar(
        middle: Text("Find a Vet"),
      ), // CupertinoNavigationBar
      body: MaterialApp(
        debugShowCheckedModeBanner: false,
        home: MapScreen(),
      ), // MaterialApp
    ); // Scaffold
  }
}

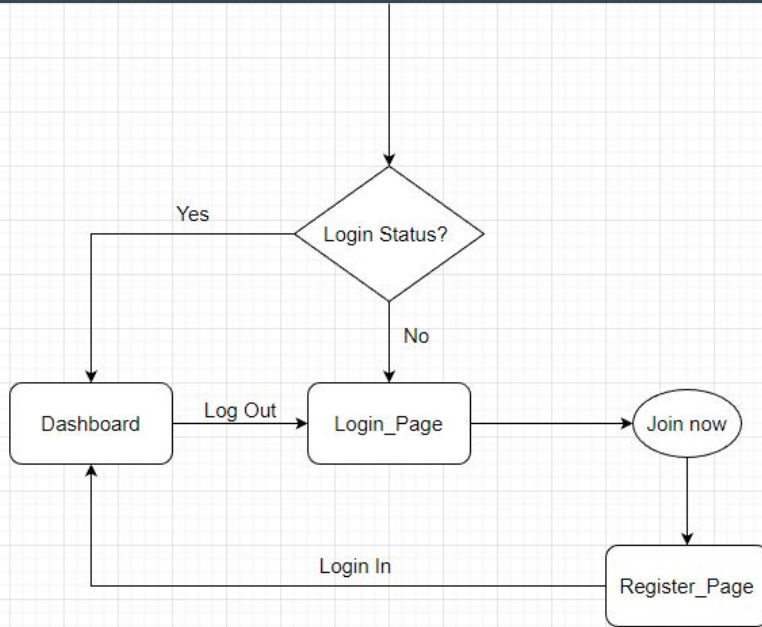
class MapScreen extends StatefulWidget {
  @override
  _MapScreenState createState() => _MapScreenState();
}

class _MapScreenState extends State<MapScreen> {
  GoogleMapController? _controller;
  Location currentLocation = Location();
  Set<Marker> _markers = {};
}
```

# Additional Front-End Implementation



# Google Firebase Login:



Search by email address, phone number, or user UID Add user ↻ ⋮

Identifier	Providers	Created ↓	Signed In	User UID
anshuman.garg322000@g...	📧	Oct 31, 2022	Oct 31, 2022	qYT8AFrCbLTtKNLHqhFulaOa2vC3
a.dang.95@gmail.com	📧	Oct 30, 2022	Oct 30, 2022	e6Y9tlpwhoeFWxdYuhTTTrPTalN2
anshu@gmail.com	📧	Oct 28, 2022	Oct 28, 2022	SBMxoliSzrO18EQRvFJYmyidRc93
abdullahanis12@gmail.com	📧	Oct 27, 2022	Oct 27, 2022	ZGGPXIT1x6PoyCkBAVMdmJdT7L...
cadu54botelho@gmail.com	📧	Oct 25, 2022	Oct 25, 2022	OWsea6kyUWh874v9F0g1YlpTjyw1
steve@gmail.com	📧	Oct 25, 2022	Oct 31, 2022	ZEHegFprVuhetEaRUGTbkakzvl22

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# Back-End Design & Implementation

- a. Google Firebase for user database
- b. Built-in user authentication
- c. Built in email verification, password reset
- d. JSON Web Token (JWT) Authentication
- e. Python for natural language processing model

## Example

**Input** – Bed and chair are types of furniture.

**Output:**

Bed

and

chair

are

types

of

furniture

vetgo-77433		pets		r2NgYaWEbc4uGHSPILTu	
+ Start collection		+ Add document		+ Start collection	
pets >		r2NgYaWEbc4uGHSPILTu >		+ Add field	
users				birthDate: 219384092 breed: "golden retriever" gender: "male" healthIssues: "ear infection" name: "teddy" species: "dog" weight: 100.5	

Email

- Email address verification**
- Password reset
- Email address change
- Multi-factor enrollment notification
- SMTP settings

SMS

- SMS verification

### Email address verification

When a user signs up using an email address and password, you can send them a confirmation email to verify their registered email address. [Learn more](#)

---

Sender name: not provided  
From: noreply@vetgo-77433.firebaseio.com

Reply to: noreply

Subject: Verify your email for %APP\_NAME%

Message: Hello %DISPLAY\_NAME%,  
Follow this link to verify your email address.  
[https://vetgo-77433.firebaseio.com/\\_/auth/action?mode=action&oobCode=code](https://vetgo-77433.firebaseio.com/_/auth/action?mode=action&oobCode=code)

If you didn't ask to verify this address, you can ignore this email.

Thanks,

VetGo Go to docs

# Authentication

 with Identity Platform 

[Users](#) [Sign-in method](#) [Templates](#) [Usage](#) [Settings](#)

🔍 Search by email address, phone number, or user UID [Add user](#)

Identifier	Providers	Created ↓	Signed In	User UID
cadu54botelho@gmail.com		Oct 25, 2022	Oct 25, 2022	OWsea6kyUWhs74v9F0g1YipTjyw1
steve@gmail.com		Oct 25, 2022	Oct 26, 2022	ZEHegFprVuhetEaRUGTbkakzvi22

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vetgo-77433

users

RFzCcvlRfRSe75vbkaKx

+ Start collection

pets

users >

+ Add document

1DaqInC2nqFAoe0qp1A2

5DRuPXvL04hNrPhnSJBL

RFzCcvlRfRSe75vbkaKx >

T70IFu3pLnRlQvzYM12Z

XLD1PdkSmUd0vXjJlht2

cmAVVVjMJhH9tukubHf8

ek0Kq1hE2ATnMAxzS8s2

tgDvoponaSF0ZmNBHWS2

xo1PjogI3Z9W07ufj9HA

+ Start collection

+ Add field

age: 200

email: "steve@gmail.com"

firstName: "Steve"

lastName: "Jobs"

# Obstacles & Challenges

- Lack of data for ML model
- Compatibility issues: MaterialApp vs CupertinoApp
- Git issues
- Firebase took longer than expected to implement
- Testing for IOS

# Remaining Work

- Implement role-based in back-end (Pet Owners, Veterinarians)
- Implement appointments back-end
- Begin natural language processing algorithm for PetsMD
- Implement payment processing (both front-end and back-end)
- Sync calendar apps to VetGo
- Additional Testing

**Questions?**