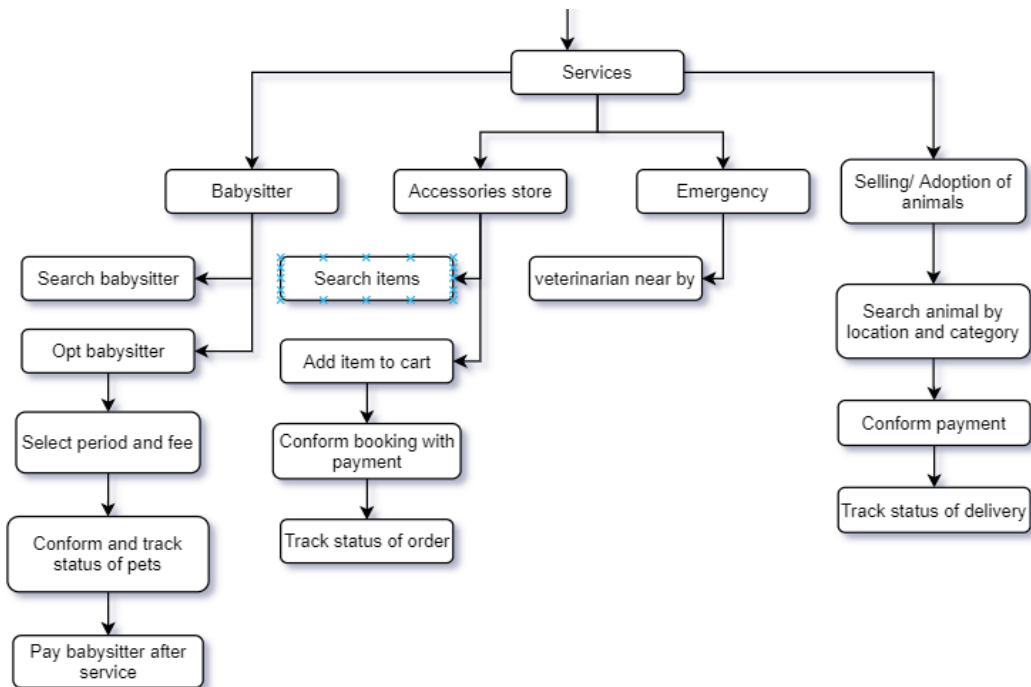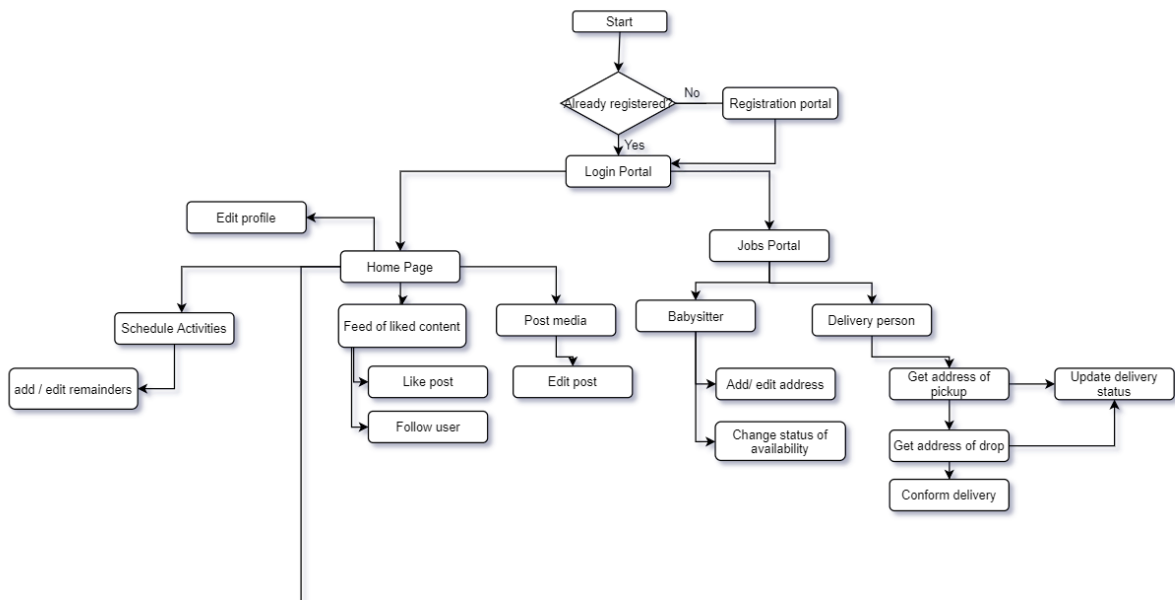# PetS

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Introduction

A social platform to share pets cute moments and manage their pets like daily schedule, food habits, online food store, veterinarian, accessories, babysitting for pets, adoption of animals.

Motivation

- To create a shelter for street animals.
- To bring awareness to pet lovers on how to take care of their pets.
- To provide babysitting service etc

Flow Chart

Modules

Module - 1

Social Media Platform:

- Create, edit user
- Posting photos
- Like, Share, Follow other users

Module -2

- Authentication
- User Management
- Flutter UI
- Firebase Notification System

Module - 3
Accessories selling:

- Selling of accessories for pets like food, clothes, collar belts etc.
- Payment system for online transactions.
- Delivery service.

Module-4

- Delivery Tracking
- Finding Best route for delivery

Module -5
Selling pets and adoption:

- Portal for selling pets, or adoption of street animals.
- Payment portal for transactions.

Module - 6

Veterinarian doctor near by:

- Suggest the veterinarian doctor clinic using the location of the user.
- Google maps api

Module - 7
Babysitting Service:

- Portal for opting for babysitting of pets.
- Payments for babysitters

Module - 8
Classification of pets

- Using CV to classify the different pets and show feed with the user interest.
- To get interests of the user by his or her activities and showing best interest contents.

Module - 9
Scheduling of activities:

- **Setting reminders for feeding food(push notifications)**

Module - 10
Integration, testing and deployment:

- Integration of all modules.
- Implementing testing for all modules.
- Deploying the app to one of the online web services like AWS, DigitalOcean, GCP etc

Integration
- Implementing module 1 - 4 till the end of february.
- Implement module 5 - 8 till the end of april.
- Github for easy integration.
- Circle CL for testing while integration.

Deployment
- Using github to store our code base and easy to integrate.
- We plan to deploy our backend to any cloud hosting services which can be easily integrated with github.

Tech Stack
- Backend: NodeJS
- DataBase: FireStore (Firebase database)
- User Interface: Flutter App, Flutter Web
- Testing: CircleCI
- Hosting: GCP/ AWS/ DigitalOcean
- ML : Keras, Tensorflow