Pet Diet and Healthcare Planner

### Project Proposal

## LOGOBA

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## Supervisor

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# Introduction

Pets are like our family members, caring for a pet is like caring for a child. Pet Diet and Healthcare Planner is an Industrial level project. It is a mobile and web based platform to generate daily and weekly diet plans (according to their age and specie).It will also provide feature for pet identification and notification about the feed timings and healthcare services (like pet disease detail and treatment plan). Users can visit the doctor’s profile and can fix the appointment through the website.

1. Objective

“To develop a mobile application supported with a web portal for the pet diet planning and healthcare services.”

# Problem Description

Understanding a pet is usually the most difficult task for pet owners. People do not know how to take care of their pets if they are sick and they rely only on their own past experiences with a specific animal. Usually people forget to feed their pets on time because of working in office or many other reasons. So it would be better to notify users regularly and timely using a mobile app. Most of us are hesitant in pet’s trade due to lack of guidance, and we suffer many loss of their life. Pet’s needs to be carefully fed, with a proper diet plan, or visiting a veteran if they are sick.

There are many android and web applications that concern pets but most of them cover only few features. For example top commonly used mobile applications are

1. **Pet Coach[1]**

This application is limited to take an appointment from the doctor. While weekly and daily diet plan, pet common diseases, treatment plan and notifications features are considered as out of scope now.

1. [**Pet First Aid**](http://jive.me/apps/petfirstaid/)**[2]**

Application includes the photos and videos (about how to take care pets). While using this application user can’t view the diet plan, common diseases, treatment plan and notification features.

While Pet Diet and Healthcare Planner will provide a complete platform for diet plans, notify the owner on the proper timings that when your pet need food and also provide the healthcare services (like pet disease and treatment Detail). Users can visit the doctor’s profile and can fix the appointment.

# Methodology

First of all user will register and then log in into the system. After the successful log in, user will visit the home page/home activity. Home page will contain many activities like; on clicking the Pet Registration user can add his/her pet details into the Database. Pet Profile activity will fetch and display all the pet information from the database. On the basis of pet age and specie the proper diet plan will be schedule from the database. Notification will send on the proper timings. Similarly pet treatment suggestions and pet common diseases will be fired from the data base on the basis of species. User can view the doctor’s profile which is saved in the database and can take the appointment from the doctor.

User

Register

Save into Database

Database

Rejected case

Data to be verified

Log in

Verified data

View the Home page

Save into Database

Pet Diet Plan

Save and retrieve the details

Pet Registration

Notification of diet timings

Data is filtered and fired from the database

View Pet Profile

Pet Diseases

Add Doctor Profile

Appointment

Logout

# Project Scope

1. Currently the application will focus on the following cats, dogs, chickens/hens, parrots and fishes.
2. Pet diet plans (daily and weekly) are the part of this project.
3. The details of common diseases of the pet.
4. Treatment details will be shown to app user.
5. Separate slider tab for the appointment of a doctor who is located near.
6. Currently pet tracking is not the part of this project.
7. The application may support (Firebase, SQLite or My-PHP-Admin database’s) as per requirement.

# Feasibility Study

1. **Risks Involved**:

Acquisition of authentic generic information from veterinary doctor in making dietary plans

1. **Resource Requirement:**

Computer, Android studio, Finances of GPS location tracking sensors and funding for outsourcing the electronics involved in future.

# Solution Application Areas

Project will have profound social, commercial as well as industrial impact. We will be targeting pet owners, veterinary doctors & hospitals, pet trading agencies and farm house owners. Users of this application will be guided to have proper pets care and will be saving its valuable life. It will act as business booster by providing a linkage between pet owners, pet- traders and doctors.

# Tools/Technology

**Hardware:**

* Laptop
* Tablet
* Android Phone
* Android Cable

**Software:**

* Android Studio 2.3.3
* Dream Viewer
* Wamp / Zamp Server

# Expertise of the Team Members

I have a very keen interest in Web and Android Application Development because I studied it as regular subject during 5th Semester.

# Milestones

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| --- | --- | --- | --- |
| **Modules** | **Description of Work *Android Application*** | **Description of Work**  ***Web Portal*** | **Start and End Dates** |
| Phase 1 | Documentation of Android Application | Documentation of Web Portal | 2 Week |
| Phase 2 | Layout Designing | Design and Structure the web Pages | 1 week |
| Phase 3 | Splash screen, Login, Owner Registration Activity | Structure and program Menu Bar , Title Bar and Slider | 2 week |
| Phase 4 | Navigation Drawer using Fragment | Structure and program the Login page | 2 week |
| Phase 5 | Pet Registration Fragment | Structure and program the Pet Registration page | 2 week |
| Phase 6 | Pet Profile Fragment | Structure and program the Pet Profile page | 1 week |
| Phase 7 | Pet Diet Plan Fragment | Structure and program the Pet Diet Plan page | 1 week |
| Phase 8 | Pet diseases details Fragment | Structure and program the Pet Common Diseases page | 1 week |
| Phase 9 | Pet Treatment Plan Fragment | Structure and program the Pet Treatment Suggestions page | 1  week |
| Phase 10 | Doctor appointment Fragment | Doctor appointment page | 2 week |
| Phase 11 | Notification Details Fragment | Adding Notification Detail page into the web portal | 2 week |
| Phase 12 | Merge and Test All the Activities | Merge and Test All Modules | 1 week |
| Phase 13 | Revise The Documentation | Revise The Documentation | 1. week |

# References

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