

**WHIPPET GENERAL VETERINARY CLINIC
TRANSACTION PROCESSING SUBSYSTEM**

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Project Stage : Analysis
Project Title : Requirements Specifications and Conceptual Data Model
Subsystems : Transaction Processing Subsystem

I. REQUIREMENTS SPECIFICATION

1.1 Overview

The Organization

This project is intended for Whippet General Veterinary Clinic. A clinic dedicated for animals valued for health, hygiene, and appearance as well. Medical and treatment amongst pet is also catered to provide further assistance. It is a private owned clinic administered by a resident veterinary physician. The clinic is located along Quinones Street, Buhangin, Davao City. In its endeavor to provide health service to its clients, the clinic is equipped with standard equipment and facilities required of any veterinary clinic. A manual management system is currently used in the clinic.

Business Environment

The veterinary clinic is located few kilometers away from the bustling downtown area. Currently, the clinic is open from 9:00 AM to 12:00 noon and resumes at 1:00 PM to 5:00 PM from Mondays to Saturdays, apart from holidays. The vet clinic is currently managed by a veterinary physician (doctor) and clinical staff who perform their duties to cater their clients.

Whippet General Veterinary Clinic Organizational Chart

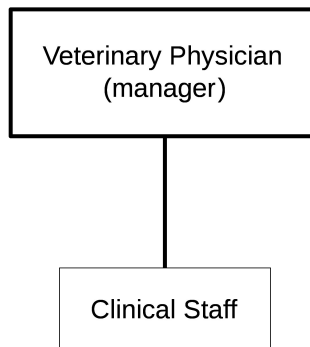


Figure 1. The Organizational Chart

Identified Problems / Opportunities:

1. Availability of Drugs.
2. Quality of medical and treatment services.
3. Reliable Retrieval of Historical Data.
4. Efficient and Quick Access to Client-Pet records.

Statement of the Project Scope

The project will cover the following transactions:

1. Medical and Treatment Transactions – Services acquisition by the client, charge invoices
2. Registering Transactions- staff, client-pet information acquisition
3. Scheduling Transactions – schedule, reschedule and cancellation of visits
4. Cashiering Transactions – Official Receipts

The clinic does not have any departments at all. The project only covers tasks provided above. Our system will not cover about payroll, accounts payable along with the inventory report. It will only cater expenses report for accounting.

1.2 Existing Information System

The current procedure in recording data for employees and client-pet are done manually. Automation in recording important transactions, as well as, storing information for employees and client-pet are not yet observed.

Upon arrival of a client, the staff is tasked to convey whether client is a new customer or not. If ever a new customer will arrive, then the staff will hand over the registration form for documentation. The filling of registration will take around 10 to 15 minutes. It is for the reason that, client as well as the pet's demographics will be needed upon registration. Else, if an old client will arrive, then staff will asks whether he has been scheduled for the day or still needs to be scheduled. Provided that the client needs to be scheduled, then priority listing will be made available for him for the day. But then, if the day is fully booked for scheduled visits, then the customer will be advised to schedule his transaction for some vacant time.

Scheduling can be done through telephone call or personal appearance at the clinic. Cancellation, as well as, rescheduling of transaction will also be done through the said means.

Check-up (data gathering) will be observed for the pet upon arrival. Analysis of these, along with the pet's historical data will then follow. Prescription and admission will be done after the currently gathered data are analyzed. Prescriptions are made whenever drugs are not available at the clinic. Admission of pet is advised upon doctor's observation. Releasing of pet will be done according to the life status (dead) and the stability of pet's health condition. Both medical and treatment services will only materialized whenever owner's pet provides approval for the doctors advised. It can also be that the owner needs approval for the doctor for his own assumptions for treatment or medical procedures for his pet.

Cashiering will be done after. The general manager will always be the one to handle this transaction. Invoice of services being rendered for, along with the corresponding fees is also hand-made. Recording of all transactions for the day is also done manually.

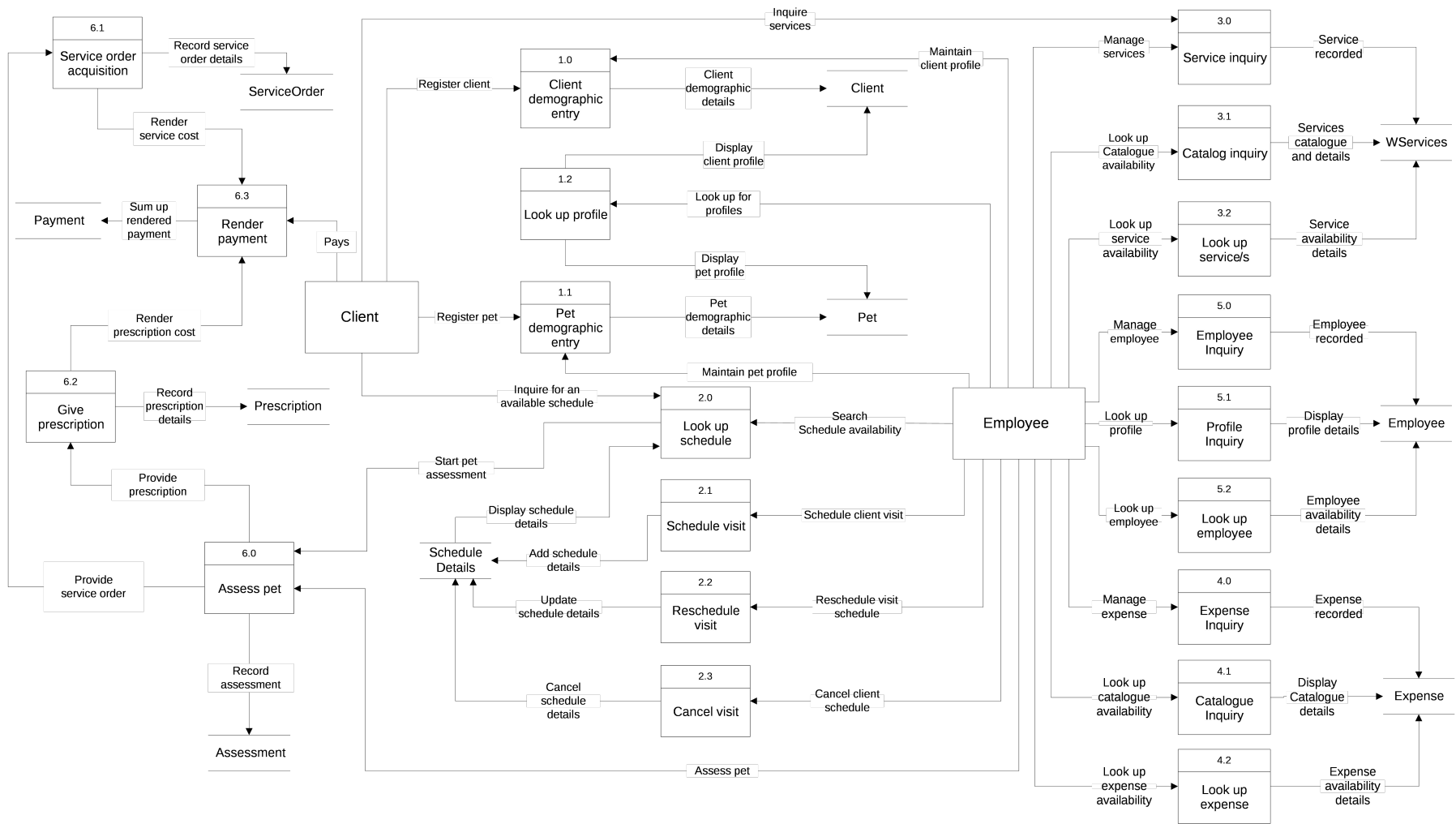


Figure 2. The Context Diagram

1.3 Proposed System

1.4 The team proposes to automate the following:

1. Employee, Client and Pet Profile Management – intends to organize, as well as, store information in a manner that ease manual work and lessen time consumption. Easy retrieval of information according to Employee, Client and Pet can also be made efficiently. This will help the staff acquire related information at a given time.

1.5

2. Schedule Management – setting the priority of every client will provide them better time management. Scheduling is also done, in a way, that updates the doctor about who and what specific time for him/her to render his service for. Automation of scheduling task will also provide work efficiency in behalf of the staff.

1.6

3. Transaction Management – transactions alike medical, treatment, and surgical services will be recorded efficiently and retrieval of these can be done automatically. It also allows producing historical data for purposes either tracking of treatments had or medical procedures taken.

1.7

4. Services Management – intends to do faster but efficient modification of services details such as updating the fee, adding of new services, providing clearer description of a service, services cataloguing, and modification of some sort of services attributes or proving list of currently offered services.

1.8

5. Preparation of Expenses Reports – This will record all expenses made. It helps in tracking over expenses at a given span of time. Promotes safety deduction over assets, not to declare mistaken state of bankruptcy.

1.9

6. Monthly Summarization of Expenses – to produce monthly reports for all expenses occurred at a given month. This will ease accounting work.

1.10

1.11

1.12 Table 1. Transaction Processing Subsystem Events Table
1.13

1.14 External Events

1.15Event	1.16Trigger	1.17Source	1.18Use Case	1.19Response	1.20Destination
1.21Clientele visits 1.22for Pet check-up	1.23Check-Up Inquiry	1.24Clientele	1.25Provide Assessment	1.26Record Assessment	1.27Clientele
1.28Clientele shows up for Scheduled transaction	1.29Schedule Inquiry	1.30Clientele	1.31Manage schedule d Transact ion	1.32Create new Transaction	1.33Clientele
1.34Clientele requests for Medical Prescription	1.35Prescript ion Acquisiti on	1.36Clientele	1.37Provide Prescript ion	1.38Record Prescription	1.39Clientele
1.40Clientele requests for acquisition of Services currently offered	1.41Service Inquiry	1.42Clientele	1.43Create new transacti on	1.44Save new transaction	1.45Clientele
1.46Clientele wants to add up another service for the saved transaction	1.47Transacti on 1.48Inquiry	1.49Clientele	1.50Update 1.51saved transacti on	1.52Save all updates 1.53on the selected saved transaction	1.54Clientele
1.55Clientele wants to 1.56check Admission Details	1.57Admissi on Inquiry	1.58Clientele	1.59Check pet's Admissi on Informat ion	1.60Provide admission information	1.61Clientele
1.62Clientele inquires for Pet's Services had	1.63Services Inquiry	1.64Clientele	1.65Check Pet's 1.66services had	1.67Historical Data 1.68Provided	1.69Clientele
1.70Clientele request for Pet status	1.71Admissi on Inquiry	1.72Clientele	1.73Check .pet's 1.74Life Status	1.75Provide Current 1.76Pet Life Status	1.77Clientele
1.78Clientele inquires for total Payment	1.79Payment Inquiry	1.80Clientele	1.81Check Transact ion's Total	1.82Look up Details for unpaid transaction	1.83Clientele

			Payment		
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1.84

1.85 Temporal Events

1.86Events	1.87Trigger	1.88Source	1.89Use case	1.90Response	1.91Destination
1.92Time to generate monthly report about employees and services rendered upon them	1.93Record and Service Inquiry	1.94	1.95Generate report for rendered services and clients serviced upon	1.96Report on services rendered to clienteles	1.97Manager

1.98

