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# MANAGE MY DOG

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## Business Requirements Document



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Project Name: Manage My Dog

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## 1 PROBLEM OVERVIEW

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### 1.1 INTRODUCTION

#### 1.2 STATEMENT OF PROBLEM OR NEED

The Working Dog training centre (DTC) breeds German Shepard's to become working dogs. Foster families look after these dogs during certain stages of their development.

There is currently no system in place where the Working Dog training centre can view all their dogs general and medical information on the go.

The current way of viewing this information is to log into a system on site and scroll through the excel spreadsheet to find the latest update on pet's weight or when the next vaccination is due.

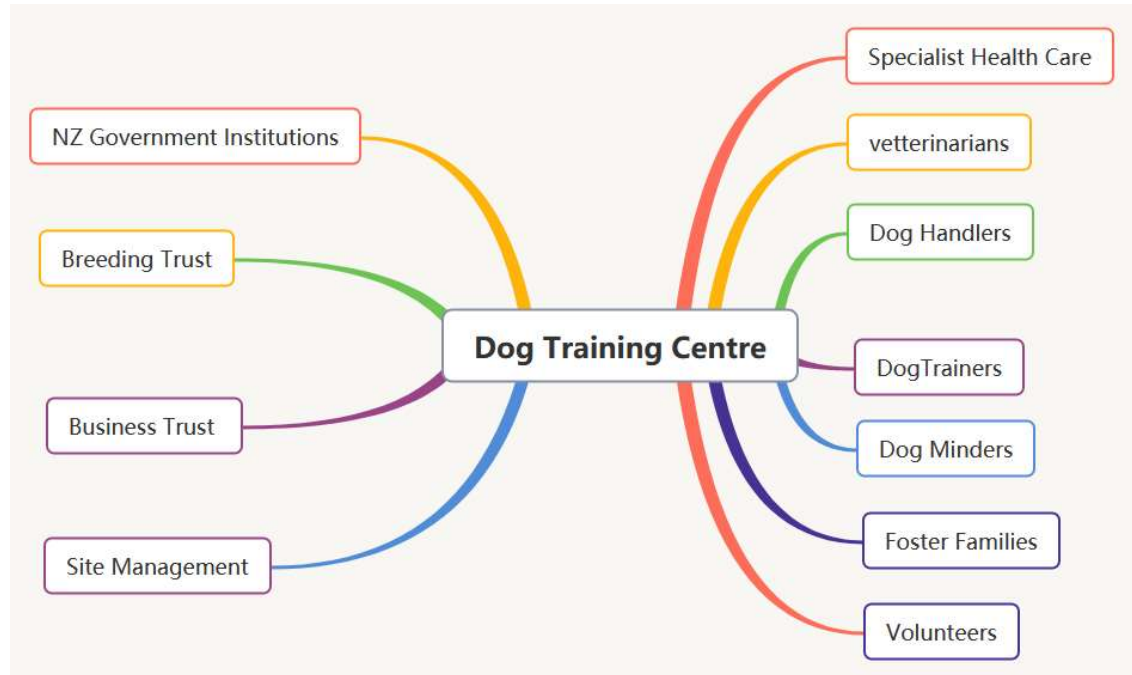
This current solution also relies on the foster family to remember to give the dogs flea and worm treatment during the prescribed intervals.

The solution will be to incorporate all this information into a Web App that will be accessible through multiple types of devises.

A future Addition to this solution would be to enable all foster families to have access to this app with the ability to make updates to certain pages that will reflect on dog's health and wellbeing.

## 1.3 DESCRIPTION OF CURRENT SITUATION

### 1.3.1 Business/system context diagram



#### The Key Stake Holders are:

- NZ Government Institutions is the client.
- The Business Trust funds the operation
- The Breeding Trust decides on breeding program
- The site management makes all decisions for onsite operations.

### 1.3.2 Current business processes

#### The Current Process regarding Dog's health and wellbeing

- Create new entry in spreadsheet with required details including current medical condition.
- Follow guidelines to assess if puppy will be suitable for training.
- Register with veterinarian and share all available health data from sheet.
- Perform hatchchecks and tests as per guidelines. Enter all finding into sheet.
- Breeding trust and site management to be involved in decision making regarding breeding or working dog future. Outcome to be entered into sheet.
- Find Appropriate foster family. Update Sheet.
- Inform foster of vaccination, deflea and deworming requirements. update sheet with owner details.
- Veterinarian to send report after every visit, update sheet.
- Foster Families to report any changes in health and any concerns. Update sheet.

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graph TD; DTC[Dog Training Centre] --> FF[Foster Families]; DTC --> V[Veterenarians]; DTC --> BT[Breeding Trust]; DTC --> SM[Site Management]; FF --> FF1[Provides health information]; FF --> FF2[Responsible for health and well Being]; V --> V1[Provides Health service]; V --> V2[Provides health records to DTC]; BT --> BT1[Provides Breeding advice]; BT --> BT2[Decides on Guidelines regarding breeding]; SM --> SM1[Final say on all decissions]; SM --> SM2[Responsible for Financial decisions];
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The organizational chart for the Dog Training Centre is structured as follows:

- Dog Training Centre**
  - Foster Families**
    - Provides health information
    - Responsible for health and well Being
  - Veterenarians**
    - Provides Health service
    - Provides health records to DTC
  - Breeding Trust**
    - Provides Breeding advice
    - Decides on Guidelines regarding breeding
  - Site Management**
    - Final say on all decissions
    - Responsible for Financial decisions

Dog Training Center	Breeding Trust	Vet	Foster Families
<p>Puppy Born</p> <pre> graph TD     Start((Puppy Born)) --&gt; CreateEntry[Create new Entry in Sheet]     CreateEntry --&gt; ReviewHealth[Review Health and decide on action]     ReviewHealth --&gt; PerformChecks[Perform required Checks]     PerformChecks --&gt; Suitable[Suitable to be trained]     Suitable --&gt; Decision{ }     Decision -- No --&gt; MakeArrangements([Make Appropriate arrangements])     MakeArrangements --&gt; AddData[Add all data into database]     AddData --&gt; Allocate[Allocate to Foster Family]     Allocate --&gt; UpdateSheet[Update Sheet]     Decision -- Yes --&gt; Proceed[Proceed with Enrolment]     Proceed --&gt; AddData     AddData --&gt; Allocate     Allocate --&gt; UpdateSheet     UpdateSheet --&gt; ReportMedical[Report all medical visits]     ReportMedical --&gt; BookVacc[Book Vaccinations for puppies]     BookVacc --&gt; ReceiveVax[Receive vaccination, deflea and deworm Schedule.]     ReceiveVax --&gt; Remember[Remember to deFlea and worm]     Remember --&gt; ReportProblems[Report any problems]     ReportProblems --&gt; UpdateSheet     </pre> <p>The interaction between DTC, Vet and Fosters will be an ongoing task</p>			

## 2 BUSINESS REQUIREMENTS

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### 2.1 BUSINESS REQUIREMENTS

#### 2.1.1 List of stakeholders

- **NZ Government** that requires working dogs to protect public and borders.
- **Dog Trainers** use their skill and experience to train working dogs.
- The **DTC** which will employ and provide the facilities. They will be the owners of this application which will allow them to become a central hub of accessible information.
- **Foster families** will be responsible for the health and wellbeing of the working/Breeding dogs to be.
- **The Business Trust** will fund this operation.

#### 2.1.2 List of business requirements

This application will be a Web Application that I'll be able to be viewed on mobile or laptops as required.

The Application will be capable of the following:

- Creating a profile linked to a Dog.
- Provide information from vets regarding medical information.
- Provide information on scheduled vaccination dates.
- Provide a view of general health of dog including weight.
- The ability for a foster family to acknowledge that the deflea and deworming medication has been administered.
- The ability for a foster family to update general health and weight of their allocated dog.
- Dog trainers must be able to update training history with behavioural comments.
- The option for trainers to send fosters additional information or training information to use.

#### 2.1.3 Project scope

First Iteration plans include:

- Design a Web App with the focus of DTC having a view of all dogs.
  - Create profile for a dog.
  - Document dog's breeding history with any family history.
  - Document all health and wellbeing history.
  - Document dog's upcoming vaccinations and history.
  - Document foster families.

Future Iterations will include:

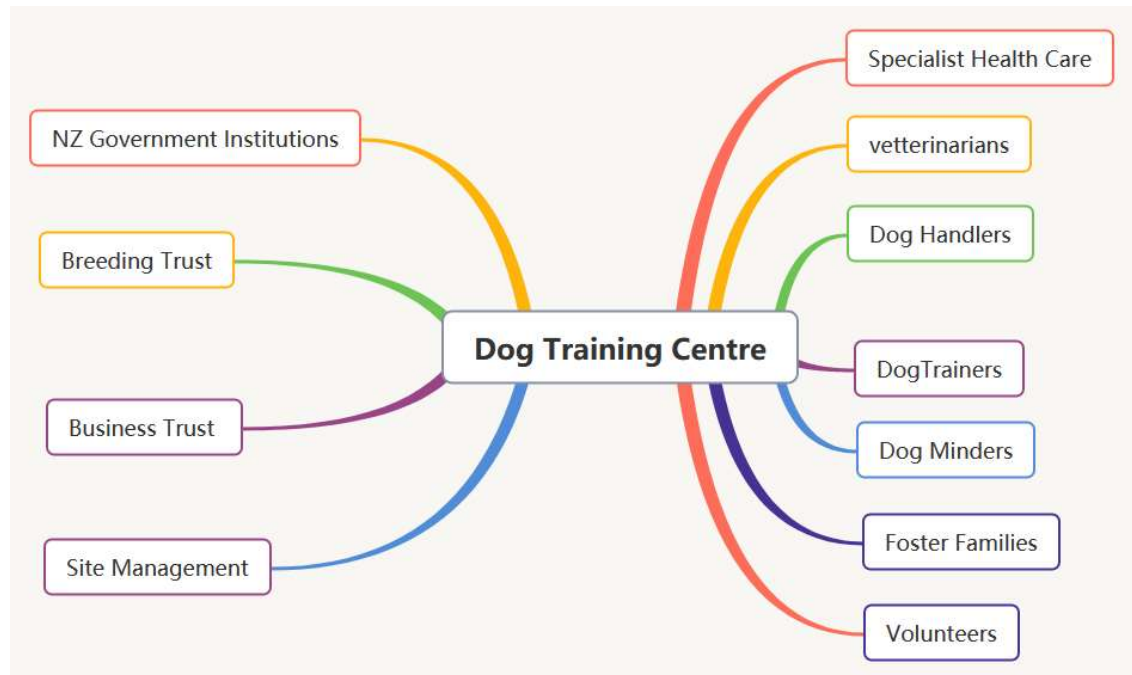
- Ability for the Veterinarian to update directly into the database.
- Dog trainers to be able to leave instructions for foster families.
- Fosters to be able to leave updates on health and wellbeing of dogs.
- Foster to book vaccinations from App

## 2.2 DESCRIPTION OF FUTURE STATE

### 2.2.1 Future state system context diagram

The Future state system will remain the same as it is the method of gathering and sharing data that will change.

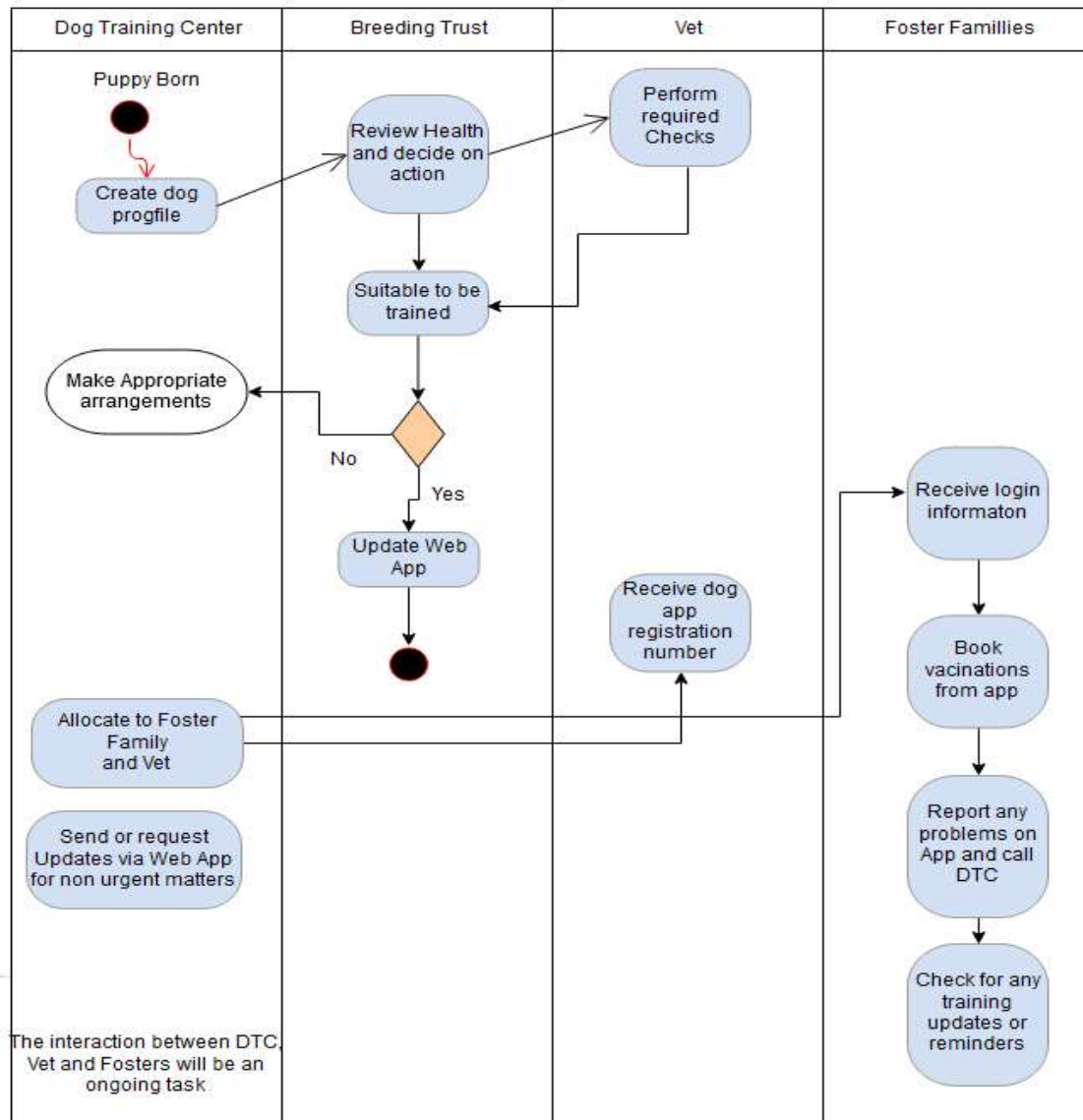
The original back and forth to get the latest updates will now be replaced by the new Web app that will enable all parties to view and update information as per their approval level.



### 2.2.2 Future business processes

- **Accessibility of information related to each dog:**
  - Visibility of full medical records viewable on any device.
  - Vet can view and update dog profile.
  - Foster Family can view notes on medication requirement.
  - Dog trainers can update behavioural section as training progresses.
  - Site management can have an overall view.
- **Foster Family**
  - Visibility of notes or instructions from trainers.
  - Update health and wellbeing sections
  - Update deflea and deworming schedule
  - Follow vaccination requirements and update.
  - Order food and other approved items.
- **Dog trainers:**
  - Update training progress.
  - View family history.
  - Send instructions to Foster Families.
  - Book home visits.

### 2.2.3 User Story sequence diagram for one business process



## 3 BUSINESS SOLUTION

### 3.1 OPTIONS CONSIDERED

#### 3.1.1 Options

- Option 1: Custom-built mobile app
- Option 2: Custom-built desktop website
- Option 3: Custom-built web-app
- Option 4: Custom-built web-app using Content Management System

#### 3.1.2 Evaluation Criteria

- Cost
- Timeliness

- Intuitive, Easy to learn User Interface
- Availability on mobile devices

### 3.1.3 Evaluation

Include brief evaluation of each option, using clear evaluation criteria.

Evaluation Criteria	Option 1: Mobile App	Option 2: Website	Option 3: Web-App	Option 4: Web-App With CMS
Cost	Medium	Medium	Low - Medium	Low - Medium
Timeliness	Fast	Fast	Medium	Fast
Intuitive	Good	Good	Good – there may be some functions that do not translate well to app	Good – CMS will enable good functionality across all devices
Usability on the go	Very Good	Bad - Can't be used on the go.	Good	Good
Technical skills required	High – Knowledge of building and deploying for iOS and Android.	Medium – Knowledge of building and deploying a website.	Medium - Knowledge of building and deploying a website, and of progressive web-apps.	Low – Knowledge of building a website required. Knowledge of CMS program required
Security of privacy and data	High	High	High	High
Maintenance	Low	Low	Low	Low
Overall Ranking	2	3	1	1

## 3.2 RECOMMENDED SOLUTION

### 3.2.1 Business Solution outline

Solution position statement

For working dog training centres this web App will provide the ability to access and update all your dog's information in one, user friendly application.

This application will enable vets and trainers to update dog profiles with valuable information without delay. This information can be reviewed by authorised personnel only.

Foster families will be able to receive instructions on training or dietary requirements as required with the added option to confirm that deflea and deworm treatment has been administered.

### 3.2.2 Main Features

List three main features

1. Accessibility to full health records available online and offline
2. Behavioural records available online and offline
3. Current health and Wellbeing will be available online and offline

### 3.2.3 Unique value proposition / Justification

The web- app using CMS is the recommended solution due to time and costs.

- Quick to update and implement



- Accessibility, available online and on all devices
- Allows for progressive enhancement (future iterations)
- Maintenance is managed through CMS