

# Feasibility Report

## No Paws Left Behind Project

Project Name: yet to be determined.

Client: No Paws Left Behind

Development Company Name: Project Peons

### **Members**

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September 30, 2020

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# 1.The Purpose of the Project

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## 1a. Problem Statement

No Paw Left Behind is a not-for-profit organization that provides a middleman between pounds and rescues to help animals which cannot be adopted. Their current method of conducting business is unsustainable as it is too time consuming to become scalable. The purpose of this project is to automate some processes so that the business is better able to grow. By scaling this organization we hope to save lives.

## 1b. Goals of the Project

Accuracy	
<b>Purpose</b>	Increase the accuracy of information transmission from pound to organization
<b>Advantage</b>	The current system uses images of a written document to transcribe information from the pounds on the animal in question. These pictures can be blurry, making extra work by having to call to confirm details. By increasing the accuracy of the transmission of data, we can decrease the time spent recording data from the pounds. It should also give rescues more accurate information so they can better take care of their needs.
<b>Measurement</b>	The information in the database will be the same information the pound has.

Scalability	
<b>Purpose</b>	Increase the scalability of the organization
<b>Advantage</b>	The current system requires too much user time to allow the project to be scaled upwards. By increasing the scalability this will remove a bottleneck and allow the organization to expand.
<b>Measurement</b>	The required amount of work per animal will be reduced.

Ease of Use	
<b>Purpose</b>	Create an interface that is easy for the user to interact with
<b>Advantage</b>	Users of this project may not be technologically savvy. In order to promote usage of the product, the product should be easily accessible. Should the product not be easily used, it is unlikely that users will embrace this method.
<b>Measurement</b>	New users will be able to complete a series of tasks.

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## 2. Stakeholders

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### 2a. The Client

The client is No Paw Left Behind a not-for-profit organization. The project sponsor is Professor Sabine McConnell. Sabine is the president and founder of the NFP organization. Currently one of her tasks for this organization is to transcribe information from the pounds which ideally this project will simplify this task. This should be a fount of information on how the task is currently being completed and any restrictions or guidelines going forward.

The client has a Board of Directors(three members) which should be kept in mind. This means that some major decisions may have to be discussed and also final approval comes down to the board. The project has been officially approved on their end. Therefore the board should be considered a significant stakeholder when it comes to making decisions.

Below the board are volunteers who help with an assortment of tasks. These can include translations, rides to airports and selling of items.

### 2b. The Hands-on Users

- Pounds
  - Motivation - They want to save the animal.
  - User Role - Submit information about the animal.
  - Subject Experience - Should be fairly experienced with animals.
  - Technological Experience - Low.
- Rescues
  - Motivation - They want to save the animal.
  - User Role - Receive information about the animal.

Subject Experience - Should be fairly experienced with animals.  
Technological Experience - Low.

- Transporters  
Motivation - They want to save the animal.  
User Role - Transport the animal from one place to another.  
Subject Experience - Should be fairly experienced with animals.  
Technological Experience - Low.
- Veterinarians  
Motivation - They want to save the animal. Perhaps monetary as well.  
User Role - Receive information about the animal. Submit updates about the animal.  
Subject Experience - Should be extremely experienced with animals.  
Technological Experience - Low.

## 2c. Other Stakeholders

- Contributors (Donors, Sponsors). These stakeholders are important to keep in mind and appeal to. They have the ability to make sure the organization succeeds.
- Rescued Animals (Currently just Dogs). These stakeholders are very important to keep in mind when designing the project. They are the main purpose for the project.
- Project Overseer (Professor Omar Alam) and Trent University. These stakeholders are invested in the success of this project.
- Us (Project Peons). These stakeholders are invested in the success of this project for their grades. We have a stake in making sure this project is complete and on time.

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## 3. Constraints

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### 3a. Solution Constraints

As specified by the client, the project solution should use a database accessible through a web facing application.

Information about the rescues/pounds should either be encrypted or abstracted to protect their information.

### 3b. Implementation Environment of the Current System

The current system is not hosted anywhere, so the new system will have to keep hosting in mind. Currently the solution is to use a virtual private server to host the product for the foreseeable future. So the product should be fairly portable.

### 3c. Partner or Collaborative Applications

### 3e. Anticipated Workplace Environment

Pounds are busy places, full of loud noises and distractions. It may be the case that information about an animal might not be able to be completed in a single sitting.

The organization has no dedicated IT staff, so any product made should be maintainable by staff with fairly limited technical knowledge.

As the organization works with pounds and rescues in Quebec, French may be a constraint to increase accessibility and adoption.

### 3f. Schedule Constraints

As this is a student capstone project, we must meet the required due dates for the course.

**September 30** - Initial requirements document

**October 25** - Complete requirements document

**November 15** - Initial project design document

**November 30** - Project alpha

**January 24** - complete project design.

**February 21** – Beta release due (second prototype) –

**March** - Testing:

**April** - End of Project

### 3g. Budget Constraints

As this is a not-for-profit project, the budget should be at a minimal (or zero). This means that any API or software used should be open-sourced and free.

### 3h. Enterprise Constraints

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## 4.Naming Conventions and Terminology

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### 4a. Definition of All Terms, including Acronyms

Term	Definition
Pound	A location containing animals that need to be rescued. They may be at risk of euthanization
Rescues	A location that accepts animals in need of being saved from dangerous situations housing them indefinitely or until they are able to be adopted.
Animal	A being in dangerous condition, or at risk of being euthanized if action is not taken for it to be rescued.
Not-for-Profit (NFP)	An organization having a goal other than solely producing income for the benefit of the shareholders.

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## 5.Relevant Facts and Assumptions

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### 5a. Relevant Facts

- They currently have an older website. <https://nopawleftbehind.ca>
- They have two facebook pages. One closed for rescues and one open for the public. <https://www.facebook.com/NPLBDogs>
- The required details on dogs is specified on the **Evaluation-Form.xlsx** (Should be attached with document)

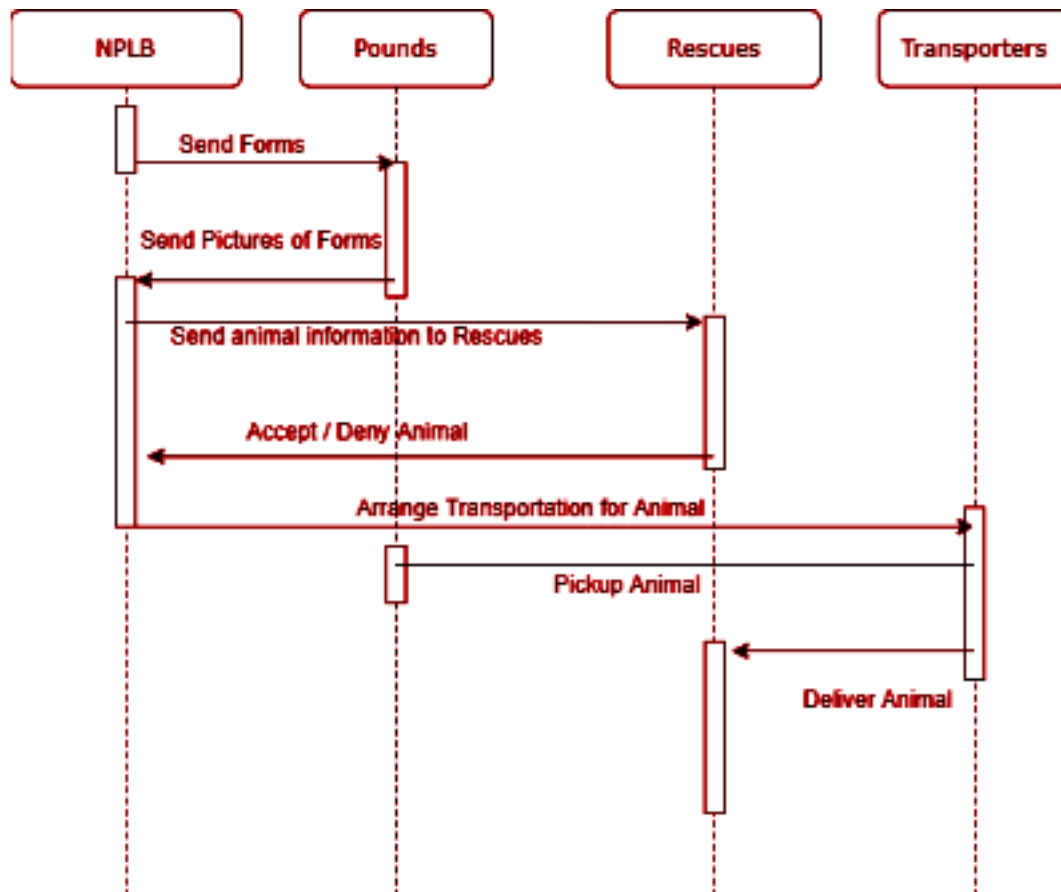
### 5b. Business Rules

## 5c. Assumptions

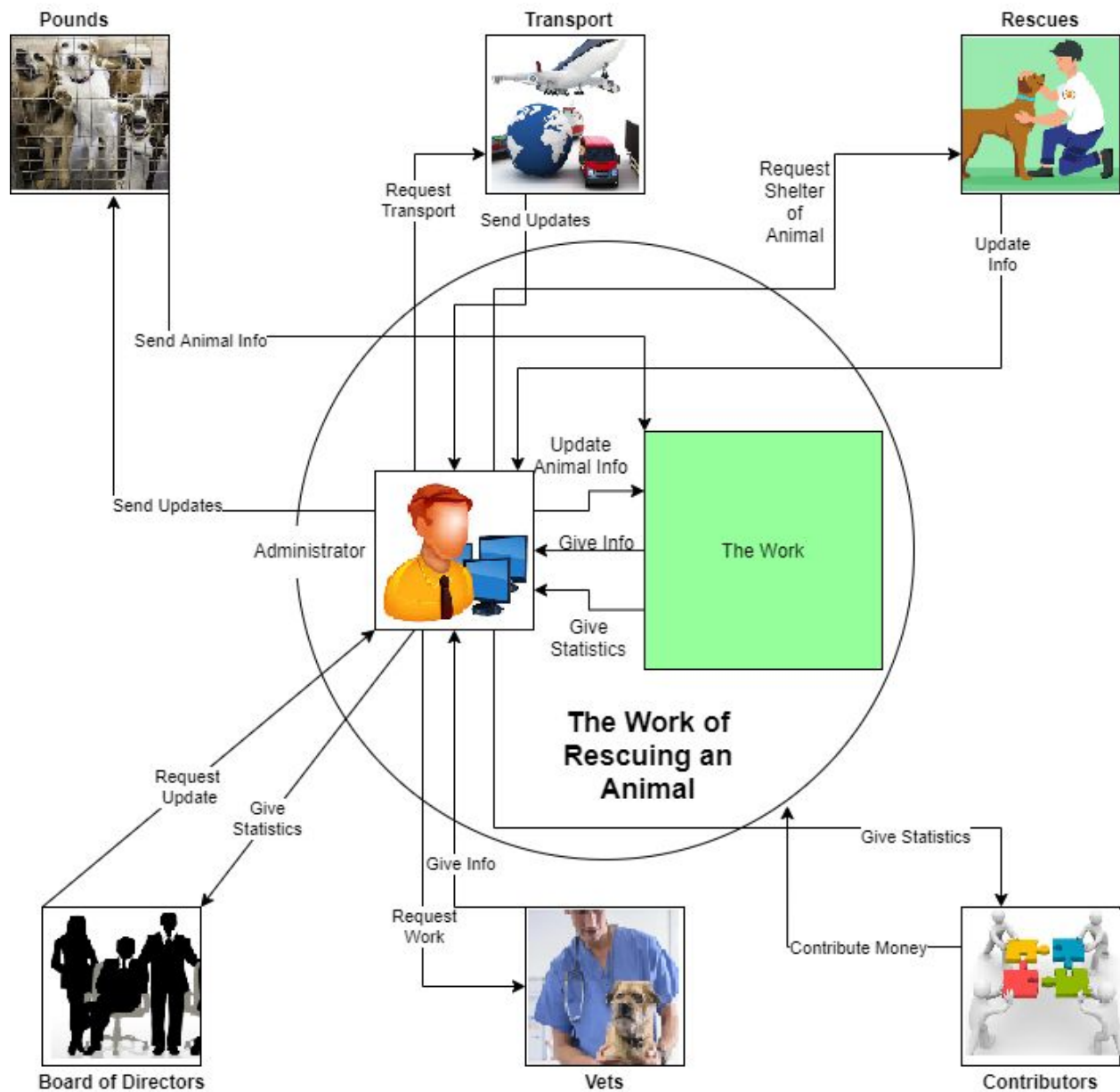
- We assume the pounds have enough animal expertise to fill out the current form, so the new project will be able to require the same expertise.

## 6.The Scope of the Work

### 6a. The Current Situation



## 6b. The Context of the Work





## 6c. Work Partitioning (Business Events)

Business Event	Input	Output
Send Animal Info (Pounds)	New Animal Info	
Send Updates (Pounds)		updates about rescue status
Request Transport (Transporter)		Information about pickup and dropoff
Send Updates (Transporter)	Location on transport	
Request Shelter of Animal (Rescues)		Information of animal
Update Info (Rescues)	Request status or animal status	
Request Update (Board of Directors)	A request for status information on the NFP	
Send Stats (Board of Directors)		Statistical information sent that show the status of the NFP
Request Work (Vet)		Animal Information and work order
Give Info (Vet)	Updated information on animal	
Contribute Money (Contributors)	Money Transaction	
Send Stats (Contributors)		Statistical information sent that show the status of the NFP
Update Database (Admin)	New information about the animal	
Give Info (Admin)		Information on the animal
Get Stats (Admin)		Statistical information sent that show the status of the NFP

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# Risk Assessment

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One of the biggest risks on this project is adding too many features and turning this project from a small project into an extensive project. While an extensive project may be worthwhile and interesting, we do have a hard time constraint on the project. This is why we are thinking about a phased or iterative development of this project. By keeping the project agile, we hope to rank features and separate them into iterations of development so that no matter which iteration we end on, we deliver a functional, working product in time.

Therefore keeping this in mind, we conclude that the risk to project is minimal. At the same time this project and organization is a benefit to society at large, so our organization should strive to accomplish it. Thus we accept the project.