**Appendix XX – User Manual**

This document has the goal of providing guidance to the user on how to navigate and use the proposed application.

There are two options for dealing with this application, firstly the user can use exclusively the app itself to do their pet search through the database, secondly, the user can use Voice commands to do the search. This document starts with the just the application itself and further the VUI will be explained.

**On lunch**

When the app is first loaded, you as a user have two possibilities. If you have already been registered within the application and consequently logged in, the app will automatically redirect you to the *search screen* in which you can use filters to find a pet. However, if you can not be recognized as a logged in user, due to different reasons such as have logged out or have not been registered yet, a screen with options to *login* (in case you have logged out) or to *register*, in which you will need to go through a Registration process, as a starting point. In case the login in needed, the user should provide the email address and password for the action to be made.

**Login/Sign in**

The *login process* requires the typing of the Username and the Password once given on a previous registration process. You are also provided with options to *reset your password*, in case it has been forgotten or redirect to the *registration process* in case you have not yet been registered.

**Registration**

The *registration process/form* is simple and straightforward. You need to fill out your information such as Name, Mobile number, email and Password in order to be registered within the database. Each field has specifications and limits as well as being mandatory.

* As a mobile number, you should provide a valid Irish number, which means starting with 08.
* As an email, you should also provide a valid email, which means having the user, the @ symbol and the domain name of the email.
* As for the Password, the selected password should be at least 8 digits long, have at least one lower case letter, at least one upper case letter, at least one number and at least one special character.

**Updating profile**

With this functionality, you are capable of altering changeable information within your profile such as your mobile number and password. This functionality when selected, redirects you to a screen, registration alike, in which the fields for name and email are locked as unchangeable because they are considered unique for each person. Thus, mobile number and password can be altered as per specifications previously mentioned. This option, as well as log out, only appears when you are already logged in.

**Search Screen**

Within the *Search* screen, you are capable of visualizing all available animals for adoption, however, you can use filters to search through the database for a specific pet for adoption. The filters are nested, which means they are dependent on each other.

* The first filter is to choose the *Animal Category*, which could be a cat or a dog depending on what the database has.
* The second filter is the S*ize*, which could be between small, medium or a large animal.
* The third and last filter is the *Breed*, that once more is dependent on the filters previously selected.

After filtered, you are able to visualize every available animal within the selected characteristics.

**Pet selected**

When the desired animal is selected, you are redirected to a screen designed to show only the information of the selected animal. This information are as follows:

* Name;
* Breed;
* Age;
* Gender;
* Personality;
* Shelter.

**Shelter information**

Still on the *Pet selected* screen, the information on the shelter where the animal is located is clickable which brings the user into a screen with information on the shelter. This information are as follow:

* Name;
* Phone number;
* Address;
* Email.

This screen also provides a google maps view on the shelter’s location.

**Intention of adoption**

The intention of adoption is made when you click on the send button within the *Pet Selected* screen. This action is done via email; in which the application is able to retrieve the user’s name and email, and write an automated email to be sent to the shelter. After the email is sent, it is up to the shelter to set up an appointment for visiting the shelter and the selected pet.

**Navigation**

The navigation within the entire application is simple and intuitive, proving you with a menu option button on the top right corner of the screen for updating your profile or log out. As well as the filters for the search functionality.

**Voice User Interface (VUI)**

In order for you to use this functionality, you must still follow the previous steps within the application itself and you also must be in possession of a Smart Home device such as Google Home.

To activate the application and the database within it, you must call for “Hey Google, talk to Pet Finder App”.

After activating the application, you will be welcomed and able to express your desire. For example:

* “I would like to adopt a pet.”
* “I would like to adopt a dog”
* “I would like to adopt a cat”
* “I would like to adopt a small dog”
* “I would like to adopt a medium cat”
* “I would like to adopt a large dog”

After saying what you want, you will be prompt to answer a few follow-up questions, such as:

* “Would you like to adopt a cat or a dog?”
* “What animal size are you looking for: small, medium or large?”
* “Here are the breeds we found: Labrador, Dalmatian. What Breed would you like to see?”

After prompting all the questions, you will be provided with all the results on a spoken manner and also, the smart home device will redirect you into the app again so you will be able to see all the remaining information from the search.