CAMPUS ANIMALS
Program Specification

Submitted to:

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Unique Reference:

The documents are stored in the github repository, bit.ly/CampusAnimals.

Program Specification Document: Campus Animals - Add Attributes of a Profile.pdf

Document Purpose:

This document specifies the nature and the algorithm for the method which updates the attributes of an animal profile.

Target Audience:

Residents of UP Diliman.

Revision Control:

Revision Date	*Person Responsible*	*Version Number*	*Contribution/Modification*
10/29/2018	Yabut, Roy Christopher	1.0	Initial Document; Added a unique reference; Updated document purpose and target audience
10/30/2018	Yabut, Roy Christopher	2.0	Added all information regarding the program specification

Program Specification: Add Attributes of a Profile

Class: AddAnimalProfile

Stereotype: Controller

Method Signature: addAnimalProfile(String name, String species, char gender, String color, String markings, String location, Boolean adopted, Boolean Vaccinated, Boolean neutered)

Input: name – name of the profiled animal
species – species of the profiled animal
gender – M or F depending on Male or Female
color – distinct colors of the profiled animal
markings – special marks that make the animal unique
location – Building of origin of the profiled animal
adopted – Boolean True or False if adopted
vaccinated – Boolean True or False if vaccinated
neutered – Boolean True or False if neutered

Output:
Returns a boolean value, true or false, which corresponds to either a success or a failure in adding the animal profile, respectively.

Tool Used: program design language (Structured English)

Program Logic:

```
IF name IS AN EMPTY STRING
        THEN RETURN False;
IF species IS AN EMPTY STRING
        THEN RETURN False;
IF gender != M or gender != F
        THEN RETURN False;
IF color IS AN EMPTY STRING
        THEN RETURN False;
IF markings IS AN EMPTY STRING
        THEN RETURN False;
IF location IS AN EMPTY STRING
        THEN RETURN False;
IF neutered IS NULL
```

```
        THEN RETURN False;

        ELSE
                GET animal-profile;
                ADD name ON animal-profile
                ADD species ON animal-profile
                ADD gender ON animal-profile
                ADD color ON animal-profile
                ADD markings ON animal-profile
                ADD location ON animal-profile
                ADD adopted ON animal-profile
                ADD vaccinated ON animal-profile
                ADD neutered ON animal-profile
                RETURN True;
ENDIF
```