Animal Shelter
Software Requirements Specification
CEN 3031 - CRN 80593, Fall, 2019

Modification history:

Version	Date	Who	Comment
v1.0	9/6	Dalton	Initial commit of GUI and Database and created the read me and license
v1.1	10/03	Will	added further features to the GUI (tab pane)
v1.2	10/03	Jeff	added "add animal" functionality
v1.3	10/10	Jean Paul	added CSS file and implemented it to the GUI
v1.4	10/10	Tomas	added database search functionality
v1.5	10/19	William	Added the events tab and hardcoded values for testing
v1.6	10/27	Jeff	Added the delete functionality
v1.7	10/28	Tomas	Implemented search function
v1.8	10/31	Jeff	Added remaining animal information
v1.8.1	10/31	Jean Paul	Added events to the database
v1.9	11/5	William	integrated events to the GUI to accept user input
v2.0	11/6	Dalton	Updated GUI to be more dynamic
v2.1	11/7	Tomas and William	overall bug fixes mainly the duplication of animal information
v2.1.1	11/7	Jean Paul and Jeff	Add employee function started and readability updates
v2.2	11/11	Jean Paul	CSS updates to login page and add pages
v2.2.1	11/21	Dalton	Overall Bug fixes and code clean up
v2.3	11/25	Jeff	Functional animal profile page
v2.3.1	11/27	Tomas	Improved search function

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Contents of this Document

SECTION 1: Introduction

Software to be Produced:

- ● The software will have two possible accounts, an employee account and an administrator account. The employee account will be able to add/remove animals from the shelter's database. Each animal added to the database will have a profile that holds their animal type, breed, vaccines and check-ups, name, and age. An employee will be able to modify the information contained in these profiles. A specific animal in the database can be found by searching their animal ID. The program will allow the employees to see where animals are located in the facility and place them in certain holding areas and cages. The user will also be allowed to order supplies for specific animals and schedule vet visits and cleanings. An administrator account will inherit all of the employee accounts rights plus the ability to add employees, schedule tasks, and change employee information and permissions in the program.
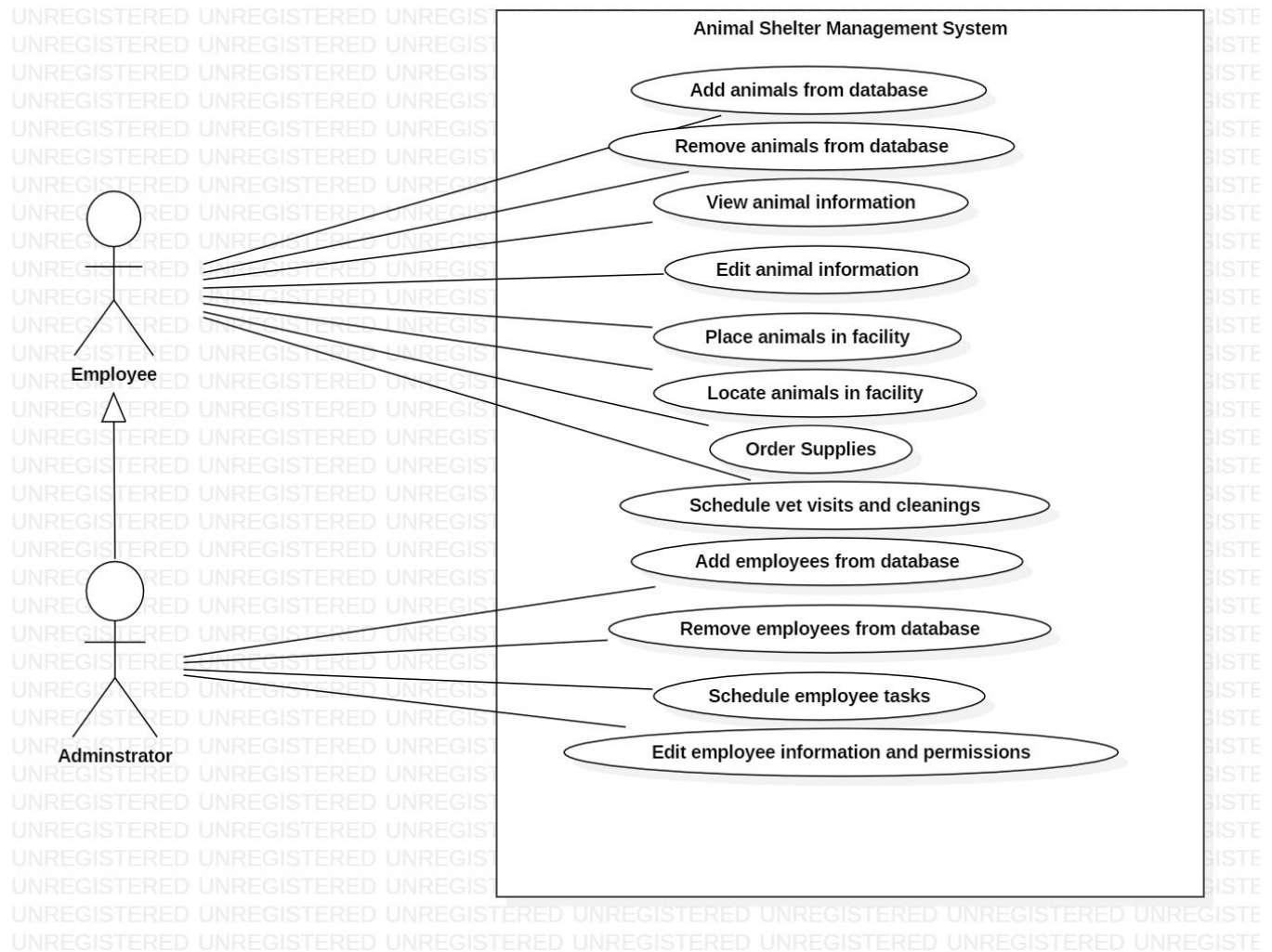
 Definitions, Acronyms, and Abbreviations:

- ● NONE

SECTION 2: Product Overview

Assumptions:

- ● We are assuming that the product will run in windows 7 or higher
- ● We are assuming that the environment is able to run Java 8 or higher
- ● We are assuming that there is only one shelter therefore the database is local
- ● We are assuming that the program will only be accessed by the employees of the shelter
- ● We are assuming that the program shall only be available for a desktop environment
- ● we are assuming that the employees of the shelter are trained in the usage of the program

Use Case Diagram:

Animal Shelter Management System

- Add animals from database
- Remove animals from database
- View animal information
- Edit animal information
- Place animals in facility
- Locate animals in facility
- Order Supplies
- Schedule vet visits and cleanings
- Add employees from database
- Remove employees from database
- Schedule employee tasks
- Edit employee information and permissions

Employee

Adminstrator

Use Case Descriptions:

❖ The employee shall be able to add animals to the database by typing the name (using A-Z and a-z)and species of the animal (using A-Z and a-z)
❖ The employee will be able to select an animal from a database table and remove the animal
  ➢ It will prompt the user to confirm the operation
  ➢ it will prompt them for a reason for removal
❖ The employee will have access to the table displaying animal information
  ➢ if the animal is not in the database it will notify the employee
❖ The employee will have access to the table displaying animal information opening another window to edit information by clicking a button to confirm changes
❖ The employee will be able to assign the animal to a kennel by number (int)

- ➢ if not an int the system will re-prompt the user for a new value
- ➢ if the kennel is in use then the system will re-prompt the user for a new value
- ❖ The employee will be able to select supplies from a list to order and specify an amount (int)
- ❖ The employee will be able to schedule an event panel by date and time (MM/DD/YY HH:MM{24-hour format})
  - ➢ if not a valid date and time the system will re-prompt the user for a new value
  - ➢ if the animal is already scheduled for that time the system will re-prompt the user for a new value
- ❖ The administrator {manager} will be able to select an employee from a database table and remove the employee
  - ➢ It will prompt the user to confirm the operation
  - ➢ it will prompt them for a reason for termination
- ❖ The administrator {manager} will be able to add employees to the database by typing the name (using A-Z and a-z)and assign the ID of the employee (int)
- ❖ The administrator will be able to assign an employee to an event from the event panel
- ❖ The administrator will have access to the table displaying employee information opening another window to edit information by clicking a button to confirm changes

SECTION 3: Specific Requirements

No: 1
Statement: The system shall be able to check in new animals by name, gender, collar ID and breed.

No: 2
Statement: The system shall display the new animals that have been admitted in descending order of days spent in the shelter.

No: 3
Statement: The system shall display animal information by gender, collar ID, and age (months/years).

No: 4
Statement: The system shall allow animals to be adopted and removed from the system.

No: 5

Statement: The system shall allow for animal age in months and years and species and breed to be edited.

No: 6

Statement: The system shall allow for cleanings to be scheduled by day and hours.

No: 7

Statement: The system shall allow for health checkups to be scheduled by day and hours.

No: 8

Statement: The system shall be able to create new employees by first name, last name, and employee ID number.

No: 9

Statement: The system shall be able to remove employees from the system.

No: 10

Statement: The system shall display available animals to adopt in the shelter.

No: 11

Statement: The system shall display employee id, first name, and last name to an administrator.

No: 12

Statement: The shall display employees in order of employee ID.

No: 13

Statement: The system shall display the location of the animals in the facility by Kennel Number.

No: 14

Statement: The system shall allow administrators to assign tasks to employees.

No: 15

Statement: The system shall allow employees to confirm the completion of assigned tasks by setting the status to "complete".

No: 16

Statement: The system shall allow employees to move animals to specific kennels within the shelter.