# *Mini Lab 3 – User Stories*

Date assigned: Friday, September 9, 2016

Date due: **Friday, September 9, 2016, 12:00 p.m.**

**Learning Objectives**

Upon successful completion of this lab exercise, the student will be able to:

* Write a user story in INVEST format
* Write acceptance criteria for a user story

Part 1 – User Stories

You may work with your HVK group for this lab.

Save this document as a Word document named **YourUserName\_PartnerUserName\_E11\_L03\_User\_Stories.docx** in your 420-E11 folderin your home drive. The document will hold your answers for your lab.

1. Write ten of your HVK business rules as user stories. Choose two structural assertion rules, two derivations, and six action assertion rules. Remember to use the INVEST guideline discussed in class. Use the format:

As a <type of user> I want <some goal> so that <reason>.

Structural Assertion:

* As a dog owner, I want two of my dogs to be able to share a run so that they have someone close to them and they have someone to play with.

This can be tested by having the system give the option of having their two dogs sharing a run if they selected that they’re having two dogs admitted to the kennel. The two dogs end up sharing the same run.

* As an employee, I want each pet to have a kennel card so that I can easily check the pet’s information.

Each pet actually has a properly filled out kennel card at their run that can easily be accessed to check dog information.

Derivation:

* As a business owner, I want to adjust the daily boarding rate for dogs based on their size so that all owners are paying a fair amount.

To test this user story, you have to determine whether or not the system properly allows a dog owner to say what size of dog they have and for the system to charge them appropriately based on the size. All dog owners actually end up getting charged appropriately based on their dog’s size.

* As a business owner, I want to give customers discounts for having their dogs sharing a run so that we can save space and can admit more dogs.

To test this user story, you have run a case where you enter into the system that they’re sharing a run and see if it gives the discount as it should. All customers who have two or more dogs sharing a run actually end up receiving their 10% discount.

Action Assertion:

* As a pet owner, I want to be able to pay to have my dog receive certain daily services, such as a walk, so that my dog stays healthy while it’s away.

This could be tested by having the owner select to have their dog walked every day and then the employee caring for that dog will walk it.

* As an employee, I want to have an up to date kennel log so that I can easily check the where all the dogs are and know what all their requirements are.

The kennel log is kept up to date by either an employee or the system and is easily checkable based on employee requirements.

* As a pet owner, I want my dog to be administered their daily medication so that I still have a dog.

When filling out the registration form, owners can request that their dog be administered medication and they can write notes on the medication and when it must be taken. Dogs are all administered their medication when the owner specified that the medication must be taken.

* As a pet owner, I want the option of having my dog fed twice a day so that they’re on the same schedule as when they’re at home.

While filling out the registration form, owners can select to have their dogs fed a different times throughout the day. Either in the evening, in the morning or both. This can be tested by seeing if dogs are listed as needing to be fed twice a day and if they’re fed at the appropriate times.

* As an employee, I want dogs to be admitted only if they have up to date vaccinations so that other dogs or employees don’t get sick.

When filling out registration forms, there’s a list of required vaccination and the user must check which ones the dog has along with the date that they got the vaccination from the vet.

* As an employee, I want to easily be able to determine whether or not a dog is to be fed in the morning or not, depending on what time the dog was brought in.

This can be tested by having the system tell you when the dogs comes in whether or not the dog is to be fed based on the time admitted.

For each user story, also write the acceptance criteria to determine how you will test the user story to know that it is complete.

**Marking Scheme**

|  |  |
| --- | --- |
|  | Marks |
| Question 1 – User Stories | 10 |
| Question 1 – Acceptance Criteria | 10 |
| Total | 20 |

**To submit**

When you have completed the exercise:

* Upload the file to the Moodle page for this lab. Only one submission should be made for each group.
* Show your user stories to the teacher for marking, before you leave.