# *Assignment 1 – HVK Requirements Analysis*

Date assigned: Tuesday, September 7, 2021

Date due: **Part A:** **Tuesday, September 14, 2021 @ 8am - No late assignments accepted.**

**Part B: Monday, September 20, 2021**

\*The user stories in this assignment will be amalgamated from all of the groups into a single set of user stories to be used for the semester. This amalgamation is on Tuesday, September 14 at 8, and is the reason that there are no late assignments accepted for Part A.

**Learning Objectives**

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

* Create a requirement gathering survey;
* Identify and categorize non-functional requirements;
* Perform domain research; and
* Determine the User Stories for the HVK system.

**To do:**

**Create a document called YourUserName\_K20\_A01.docx. It will hold your answers for Parts B – D. These parts are done individually.**

**Part A – User Stories (To be completed as a group)**

**Create a document called** **YourGroupName\_K20\_A01\_User\_Stories.docx, e.g. Group1\_K20\_ A01\_User\_Stories.docx, and save in the Assignment folder in the 420-K20 folder in your H drive.**

Using the criteria and format discussed in class and the initial interview documentation, the class will develop the initial set of user stories for the HVK system. You have been broken into groups for this portion of the assignment (the same groups as in your database class). Each group is responsible for converting the HVK Case Study into a complete set of user stories. Note that you do not need to include acceptance criteria for your user stories.

**Remember to number each user story and to group the user stories into logical units.** Do not worry about defining terms. Assume that terms such as run, dog and kennel are understood by the business.

Part of the lab time on September 7th will be used to work on your user stories.

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| --- | --- |
| **Group Name** | **Team Members** |
| Group 1 | Xavier, Zachary, Darien |
| Group 2 | Justin, Madeleine, Igor |
| Group 3 | Kristina, Charles, Austin, Biola |
| Group 4 | Brahim, Nicholas, Marc |
| Group 5 | Julia, Tristan, Ricky, (James in Database) |
| Group 6 | Jeremy, Sebastien, Ayon |

Only 1 member of the team needs to upload this file to Moodle. All other team members should add a note to their file for parts A-C indicating who submitted the group part.

**Part B – Requirements Gathering Via Survey (To be completed individually)**

\*Note that the content for this portion of the assignment will be taught in class on Friday, September 10, 2021.

1. Using the techniques discussed in class, your notes and the Internet, create a short questionnaire (10 questions) that HVK could administer on their marketing website to determine what pet owners are looking for in an online kennel system. You want to ask questions about the services that the customer would be looking for, perhaps how often they would use the kennel, etc.

Remember to design the questionnaire to allow respondents to select from a range of answers and not specify the answers themselves. For example:  
How many times a year would you use the kennel?  
0-2 times 🞆 3-5 times 🞆 6-10 times 🞆 more than 10 times 🞆

**Part C – Identifying Requirements (To be completed individually)**

1. List **5 non-functional requirements** for the HVK case study. For each non-functional requirement, categorize it as either: an operational requirement, performance requirement, cultural & political requirement, or security requirement.

**Part D – Domain Research (To be completed individually)**

Use the Internet to research existing online reservation systems that exist for pet kennels. Research **three** different online reservation systems for pets that exist that could be used for HVK. For **each** **of the three** systems: **(30 MARKS)**

* Describe the system and provide the URL;
* Describe the functionality provided and how it is similar to what Jim and Sally are looking for. What features does it have that Jim and Sally are asking for?
* What features is it missing that Jim and Sally have asked for?
* Describe any interesting features that Jim and Sally might consider including in their system, which are not currently asked for.

**Marking Scheme**

|  |  |
| --- | --- |
|  | Marks |
| Part A – User Stories | 50 |
| Part B - Questionnaire | 10 |
| Part C – Non-Functional Requirements | 10 |
| Part D – Domain Research | 30 |
| Total | 100 |

**To submit**

* The following Word document must be uploaded to Moodle for Parts B-D:
  + YourUserName\_K20\_A01.docx
* In addition, one member of the group should upload the HVK User Stories to Moodle for the group:
  + YourGroupName\_K20\_A01\_User\_Stories.docx.