HW 4 Critique

# Requirements

I will use this section to lay out the directions and focuses of the Homework assignment.

The focus of Homework 4 was “splitting (atomizing) requirements statements and organizing them in a logical hierarchy,” according to the assignment sheet. This included some focal points such as using a strong, active voice, atomizing each statement to contain “one and only one item per requirement statement, and writing measurable requirements.

# Errors

I will use this section to talk about what I did wrong in the Homework assignment.

I retyped my original homework assignment in [Section 3](#_Original_Assignment). I will reference this for my mistakes.

The first mistake I made in this assignment is switching back and forth between a strong, active voice (e.g., It **must** do this) and a passive voice (e.g., It **may** do this). For Question 1, I use passive voice in all the following sections:

|  |  |  |
| --- | --- | --- |
| * 1.1 | * 1.1.1 | * 1.1.2 |

I also use a passive voice for the **Accuracy** and **Expandability** sections of Question 2.

I clearly was not paying attention to this subtle, yet important, detail as I switched from passive voice to active voice and back again multiple times.

Another set of errors that I made was not fully atomizing each requirement statement. In Question 1, section **1.1.3** has a single requirement statement that could be split into multiple requirement statements. To be specific, the statement “name, office, user number, serial number, and types,” should be expanded into five different requirement statements that each highlight one part of the singular statement. These would all fall under a section **1.1.3** that reads, “The query will report specific data,” which would also include the current sections of **1.1.4** and **1.1.5** as subsets.

Using ambiguous statements or words, as I did in Question 2’s **Accuracy** section is another fault in my initial submission. The statement, “The system should *reliably* display the correct information,” contains the word *reliably*, which I used to mean always. However, this use of language is unverifiable because reliably

# Original Assignment

I will use this section to post my original assignment from last semester, in a more readable format.

# Question 1

## The system may be queried.

### The query may contain a user number

#### The query will report all equipment assigned to that user.

### The query may contain a serial number.

#### The query will report the assignment for that computer.

### The query will always show name, office, user number, serial number, and types.

### If a user is not assigned, this is reported

### If a computer is not assigned, this is reported

# Question 2

##### Usability

The system must be able to be used by all employees with a user number.

##### Accuracy

The system should reliably display the correct information, given a proper input.

##### Expandability

The system should be able to add more features in the future.

# Corrected Assignment

I will use this section to post my new, corrected assignment.

# Notes

I will use this section to post explanations I have for why I did things.