**W7 mini assignment**

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**Task 1**

**1. What was the authors’ main goal?**

The goal is asking people who do the usability test, whether multiple alternative designs will make the evaluation more accurate. The author thinks that multiple designs can bring a more comprehensive comment which include negative and positive, and which aspects could be better according to those alternatives. The author wants to test these.

**2. What is their main conclusion?**

The author believes that when testing multiple alternatives, statements combined with user ratings, and comments for each of the prototypes viewed, can help the designers in selecting the right design, before proceeding with getting the design right. The low-cost techniques, such as paper-prototyping enable multiple alternatives to be explored beyond the initial ideation phase. In short, testing many alternatives is a good way to identify the problem existed than only one.

**3. If you were just starting out to design an interface, what would this paper make you consider doing to improve the quality of your final design? Justify your answer.**

I may design multiple versions and conduct a questionnaire survey on the public based on this, ask them which one is better, or which point is good in each version.

According to this article, “doing so can enable us to obtain a less inflated subjective appraisal of our designs, as well as obtain more critical comments that help identify problems”. This is an evidence that why I choose to do the questionnaire survey with multiple designs.

**4. Write a bullet-list of the experience of the participants who tried out all three prototypes (ie what are all the things the paper states that they did?)**

* Listen the short introduction of the task, review the main functionalities of a HCCS and see the images of 4 common HCCS’s in the market
* Think- aloud using their fingers to interact with the ‘touch sensitive’ interface(s)
* Do all prototypes, one prototype at a time
* Filled out a questionnaire to rate the design and usability of the prototype(s) viewed,
* Participate in a short semi-structured interview
* Ask other suggestions or comments on the general usability and usefulness of the HCCS

**5. Identify where the paper makes use of some of Neilsen’s heuristics and explain how the authors used them.**

In discussion part, author ask “are we all designers?”. “Indeed, exposure to three different designs did provide a broader base of experience to the participants in that condition.” Those participants have some experience in “making such suggestions, they – novices in design – would be stepping into the domain of experts – those who designed the interface in the first place”. The authors can’t avoid using these participants to evaluate the interfaces.

**6. Write a list of terms that you did not understand, just from reading the paper.**

Paper prototypes, parallel design

**Task 2**

**1.** All the record from 09:00pm 16 Sept.

**Vegetable for Sunday(15 Sept)**

|  |  |  |  |
| --- | --- | --- | --- |
| Time | Name | Quantity | Recorded time |
| 09:00pm | Spinach | ? | 1 min |
| 01:00pm | Cucumber (in Sushi) | Quarter of normal size | 10 seconds |
| 01:00pm | Carrot (in Sushi) | Quarter of normal size | 10 seconds |
| 06:00pm | Cauliflower | Half of normal size | 20 seconds |
| 06:00pm | Carrot | Quarter of normal size | 10 seconds |
| 06:00pm | Zucchini | Quarter of normal size | 10 seconds |
| 06:00pm | Mushroom | 5 | 20 seconds |

PS: “?” means I don’t know how to count

**Fruit for Monday(16 Sept)**

|  |  |  |  |
| --- | --- | --- | --- |
| Time | Name | Quantity | Recorded time |
| 06:30am | Blue Berry | 5-10 | 20 seconds |
| 10:00am | Banana | 1 of normal size | 10 seconds |
| 03:00pm | Orange Juice | 1 cup | 20 seconds |
| 08:00pm | Cherry | 10 | 20 seconds |
| 08:00pm | Avocado | Half of normal size | 20 seconds |
| 08:00pm | Kiwi Fruit | 1 of normal size | 10 seconds |

3. I make a table and try my best to recall what I take on Sunday. I choose “time”, “name” and “quantity” to record since I think it’s important to get the eating time and quantity of person’s health. If I do some tasks like this next time, I will choose using “Caloria” of each food to record and I think it’s more accurate.

4. Firstly, because I know the requirement of this week’s homework on Monday, I forget the exact quantity of each vegetables or fruits. Secondly, as I’ve mention at table1, it’s hard to count the quantity. For example, the energy of a big apple is different with a small apple, and how to measure how big is the big apple. Thus, in this process, I choose “normal size” and It isn’t an exact result. In other words, maybe I couldn’t use “quantity”, and the unit “Caloria” maybe better. Next, I don’t understand the meaning of “Record the time that you actually created each record”. Is it means the time of eating or the time of recording? I think maybe the latter, so I put the time of recalling or creating the tables. Finally, the two days food is totally different, such as I didn’t take dinner for Monday, and I didn’t take any vegetables on Monday evening, so maybe only “two days” can’t represent an average diet.