



Al Imam Mohammad Ibn Saud Islamic University

College of Computer and Information Sciences

## Information Technology Department

### Lab Worksheet 2

**Course Title:** Human Computer Interaction

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**Date:** 15/2/2021

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**Week:** 5

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**Course Code:** IT 300

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**Title:** Human short-term memory.

**Background:** None.

**Purpose:** In this practical you will put into practice what you met in lectures 1 and 2 and the first chapter of your textbook.

**Software / Tools:** paper and pencil.

#### Procedure:

##### Task 1:

Human short-term memory has a limited span. This is a series of experiments to determine what that span is. (try it with a group of friends.)

##### *'I went to market . . .'*

In your group, one person starts off with 'I went to market, and I bought a fish' (or some other produce, or whatever!). The next person continues 'I went to market, and I bought a fish, and I bought a bread roll as well'. The process continues, with each person adding some item to the list each time. Keep going around the group until you cannot remember the list accurately. Make a note of the first time someone gets it wrong, and then record the number of items that you can successfully remember. Some of you will find it hard to remember more than a few, others will fare much better. Do this a few more times with different lists, and then calculate your average score, and your group's average score.

**Exercise 1:**

What does this tell you about short-term memory? What do you do that helps you remember? What do you estimate is the typical capacity of human short-term memory? Is this a good test for short-term memory?

**Answer:**

Short-term memory is not effective when using it in an important thing, it is usually used to remember simple things like phone numbers, stranger's names, and colors of things. To help remember things you could say it loudly, say it many times, Associate words with shapes or people, write them down on paper. I think that short-term memory capacity is not long enough maybe it could be seconds, minutes but I believe that it couldn't be longer than a day. No, I do not think it is a reliable method because the ability of people to remember information differs from one person to another Therefore, this method is not considered as a measure of short-term memory.

**Task 2:**

Give bad/good design regarding what you've learnt about memory ...

**:Answer**

I think that a good design is that what memory can easily remember may include attractive colors, descriptive images, clear and readable font, a comfortable background that does not distract the user. On the other hand, I guess that a bad design is an opposite of what I said about good design.

**Deliverables:**

All students need humans think and to know **HOW** the short and long-term memory works in human.

And write down in the papers and discuss with their friends.

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