

## **INFO2222 Mini-Assignment 5 – integrating analysis, evaluation and design for a new situation of concern**

**Due:** 12 noon, Week 6, before the 1pm whole-class tutorial, *18<sup>th</sup> April, 2018*

**Submit:** on Canvas

### **Assessment:**

This work is worth 1%. As usual, grading is {0, 0.5, 1} corresponding to: {non-attempt or very minimal attempt, more than minimal but not a solid attempt, solid response on all parts}

### **Goal:**

Revise the first 5 weeks of INFO2222 materials from the lectures, labs, mini-assignments.

### **Task 1:**

Below are revision questions based on those used in the lectures. Some of these questions are similar to those in the actual quiz in the Week 6 lecture.

#### **Question 1. (Rationale: tests a key idea in Lecture 2)**

Complete the following statement:

Security experts recommend that IT departments regularly carry out penetration tests that use social engineering techniques. This means that an organisation's security administration group sends:

[your answer]

#### **Question 2. (Rationale: as above)**

Complete the following statement:

When doing research for the analysis phase of HCI, a key advantage of ethnographic observing rather than monitoring people is:

[your answer]

#### **Question 3 (Rationale: tests a key idea in Lecture 3, linking to the assignment, and the definition of usability and utility in Week 1)**

In Assignment 1, you need to design and evaluate an interface that can "provide new approaches to phishing education for students at University of Sydney".

Evaluation of this should include a pre- and post-test. The *main reason* for this is to test

[your answer]

**Question 4 (Rationale: tests a key idea in Lecture 3)**

One of the main benefits of think-aloud is that it is very effective in testing the user satisfaction with an interface.

True/False

Explain your answer

[Note that the quiz this week will only be forms that can be automatically marked – as the first part of this question but the second part is typical of the final exam where you used knowledge from the subject to explain your answer.]

**Question 5 (Rationale: tests a key idea in Lecture 4)**

What is the difference between open and closed card sorting?

[your answer]

**Question 6 (Rationale: example of a design guideline in Lecture 5)**

One design guideline recommends limiting the number of fonts to 3. Explain the rationale for this answer.

[your answer]

**Question 7 (Rationale: tests a key idea in Lecture 5, one cognitive bias and HCI)**

Complete the following statement:

Confirmation bias is important for interface designers because

[your answer]

**Question 8 (Rationale: tests a key idea in Lecture 5)**

Social desirability bias means that a software engineer who is evaluating an interface in a think-aloud study needs to take care when interpreting which observations and comments?

**Task 2:**

In the final exam, you will be allowed to bring a single A4 sheet in. Prepare a draft version for your use in this quiz.

**Deliverables – submitted as one document on Canvas**

- Task 1 – Answer to the questions.
- Task 2 - Your summary sheet.