OZ-Hunter: Android App Prototype evaluation

Group Name: Australian Product Information

Siqi Zhang u5721076;

Jieming Hu u5841919;

Chao peng u5780527;

Yu Shen u5778016

Part 1

1.1 Information sheet

Australian National University

Participant Information Sheet

Researchers: We, Siqi Zhang, Jieming Hu, Chao Peng and Yu Shen, are a group of Master's students at the Australian National University (ANU). We are primary investigators of this research project which is an integral part of COMP 8715 software engineering group project by the Research School of Computer Science in the second semester of 2016.

Project Title: Usability study of an Android App prototype

General Outline of the Project:

- **Description and methodology:** The project evaluates the usability of an Android App prototype. We will ask you to accomplish a few tasks on our prototype using your fingers and to answer a few questions about your experience and views on our prototype, specifically on the user interface and functionality aspects of the proposed Android App .
- **Participants:** We are inviting three of our fellow students who are from different programs at the Australian National University to take part in the project. We are not evaluating your responses. Instead, we are evaluating how well our prototype can enhance your experience with the Android App .
- **Use of data and feedback:** We can email a summary of your responses during the evaluation if they would like us to do so.
- **Project funding:** The project does not receive funding support from any source.

Participant Involvement:

- **Voluntary participation and withdrawal:** Participation in the project is voluntary and you may decline to take part or withdraw from the project at any time without any negative consequences. You may also refuse to answer any questions that the researchers might ask. If you do withdraw from the project, we will destroy any data that we might have collected from you and not use that data in our analysis.
- **What does participation in the research entail?** We will ask you to perform a few tasks on our Android App prototype, specifically, you will be asked to i) view a product using the buttons provided; ii) experience an augmented reality function (ie, "put item into the shopping cart"); and iii) attempt a game (ie, send massage in the forum). The evaluation will be followed by a short interview as to your experience and comments on the prototype.

  We wish to video-record the evaluation process for our subsequent analysis. We will ask your permission to do this before we start the evaluation. If you are not comfortable with this, we can run the evaluation using our own observations and hand-written notes. Only primary investigators will have access to these video-recordings and notes.
- **Location and duration:** The evaluation will take place in a study room of ANU

libraries and will last for approximately 30 minutes.

- **Risks:** The risk associated with the project is very low given that the evaluation will take place in a study room where hazardous items are minimal. The risk of your identity, responses and comments being disclosed to outside parties is low in such an enclosed environment.
- **Benefits:** It is unlikely that you will personally benefit from participating in the project, but we expect that your participation will help us to improve the usability of our Android App .

Confidentiality: All data from the project will be stored on an encrypted external hard drive to which only the primary investigators will have access. Only aggregate and non-identifiable data will be presented in a written report for course assessment. Your confidentially will be protected as far as the law allows.

Data Storage:

- **Where:** The data stored on the encrypted external hard drive will be kept in a locked cabinet of a designated member's home throughout the project and subsequent required storage periods as far as practicable.
- **How long:** The data will remain on the external hard drive for one year after the conclusion of the course.
- **Handling of data following the required storage period:** The data will be destroyed at the end of the required storage period.

Queries and Concerns:

- **Contact details for more information:** If you would like more information about this project, please contact the researchers or the course lecturer as follows:

Researchers:

Mr Jieming Hu by email u5841919@anu.edu.au or by phone on 0451 861 015

Mr Siqi Zhang by email u5721076@anu.edu.au

Ms Yu Shen by email u5778016@anu.edu.au or by phone on 0452 591 269

Ms Chao peng by email u5780527@anu.edu.au

1.2 Consent form

WRITTEN CONSENT for Participants

Usability study of a website prototype

I have read and understood the Information Sheet you have given me about the research project, and I have had any questions and concerns about the project (listed here

)

addressed to my satisfaction. I agree to participate in the project. YES ☐ NO ☐

I agree to participate in the project YES ☐ NO ☐

I agree to my participation in this project being video-recorded YES ☐ NO ☐

I agree to this interview being video-recorded YES ☐ NO ☐

Signature:…….

Part 2

2.1 Evaluation script

- Greeting with participants

"Hi (participant's name), thanks for helping us to evaluating our prototype, thanks for your time and your patient. Nowadays the price of items in supermarkets and pharmacies are not very transparent to customers. If people want to buy some products in an affordable way, they have to travel around all the markets to compare the price, which is quite time-consuming and labor-heavy. Therefore, we plan to design a public Android App , which helps customers to buy products in a short time and with decent price by searching the information on it. Our design is mainly composed of three modules. The first one is for providing the weekly cheapest price of the same item in all well-known supermarkets, such as Coles, Woolworths, Target, ALDI, BigW and so on. The second one will focus on showing the basic information of items as well as the comments or ratings from customers. The third one is designed for customers to share their shopping experience and purchasing information. Our design will provide great convenience for customers to make their shopping."

<Each of them will get a laptop which has already opened our prototype>

<Each of interviewee will have two members to help them to do the evaluation, one member is in charge of asking questions to interviewee and recording his/her answer while another member is in charge of observing and record interviewee's action.>

- Guide to use the Android App prototype

"I am going to introduce our prototype page by page, and give you some time to play it by yourself, then we will ask you some questions about your experience. Page 1 is login page;

Page 2 is the about page of our four functions. Try to have a look and understand our functions of Android App .

Page 3 is the calculator page of our Android App. Helping users to calculate their item total price

Page 4 is the Search page of our Android App. Give users a projection search function.

Page 5 is the Package track of our Android App. Help user to track their shipping item.

Page 6 is the Contact page of our Android App. It is trying our contact information such as: address and contact number.

Please go back the homepage.

- Ask questions to check if they understand how to use it

<Wait for response and if the interviewee cannot answer the questions, guide him/her again>

Q1: How to open our Android App?

Q2: How to search product?

Q3: How to get discount information?

"Now you can play it by yourself and when you are ready, we would like to ask you some questions about our prototype"

<To give several minutes to interviewees to play the prototype by themselves, meanwhile we carefully observe their actions>

<Once an interviewee is ready, allocate a group member to ask questions>

- Exit questions

Question1: Please give two examples relating to the prototyped Android App function.

Question2: If you were given a chance to improve the design, what would it be? Please give specific function narration.

According to the evaluation activity, what we can improve?