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PARTICIPANT INFORMATION SHEET – DRIVERS

BACKPOCKETDRIVER – A SMART & SAFE DRIVING STUDY

Name of researcher: Andrew Meads

Names of Supervisors: Ian Warren, Robyn Whittaker

Researcher Introduction

I am Andrew Meads, a research fellow in the Department of Computer Science at the University of Auckland, working under Dr Ian Warren.

This Project

Reducing the road toll is an important goal, particularly amongst young drivers. In recent years, strides have been made in this area, including tougher restricted license exams and easier access to professional driving classes – but there is definitely still room for improvement. This study will help us evaluate BackPocketDriver – a smartphone application designed to encourage safer driving behaviour in young drivers. This first study is a small pilot study of 20-30 participants, and will allow us to get user feedback in an effort to make the app more user-friendly and effective. Following this study, we plan to run larger trials to properly investigate the effectiveness of the app at promoting safe driving. Ultimately we plan to partner with an appropriate organization, such as the NZTA, to promote the app and make it available to all young NZ drivers. The study is co-ordinated by the Department of Computer Science in collaboration with the National Institute for Health Innovation (The University of Auckland).

Duration: The study will take place over the course of six months, though you'll only need to be involved for two months.

Benefits: By participating in this trial you are helping us to improve our app to provide better feedback on users' driving behaviour.

Risks: We do not anticipate any risks with this study. However, the app may record instances of illegal driving behaviour (e.g. speeding or driving outside the conditions of your license). We will not report this information, but we must provide it if requested by the NZ Police (for example, if you're involved in a road accident and they suspect you're at fault). Similarly, if the police legally confiscate your phone, they may access any of this data which is stored in the phone's database.

Funding: The study is fully funded by a PBRF research grant, awarded to Dr Ian Warren.

Other People: Other than myself, Associate Professor Robyn Whittaker and Dr Ian Warren are involved with this study, and will also have access to any of the data collected.

Invitation to Participate

Why: You are invited to participate in this research because you:

- Are between 16 – 24 years of age
- Are legally allowed to drive a motor vehicle unsupervised in New Zealand
- Have a smartphone which can be used for this programme (Android version 4.1 or higher)
- Drive regularly during your daily routine (at least three times per week), or have indicated that you're willing to drive this often during the study
- Are able to provide informed consent
- Are able to read English
- Are available for two months during the course of this study

How: To find potential participants, like you, I have advertised the study on several University campus noticeboards and Facebook. Ian has advertised to his students within lectures, and both Ian and Robyn have used their contacts to advertise at several Auckland secondary schools.

Voluntary Participation: Your participation in this study is entirely your choice. You do not have to take part. If you choose not to take part in this study you will not be affected in any way.

Project Procedures

If you choose to participate, we will arrange a time that suits you to meet at the University of Auckland city campus, where we will confirm your eligibility for the study and get you to fill out a questionnaire with demographic information, as well as information regarding your driving experience and ability. We will then show you how to download the first smartphone app if required, and show you how it is used.

For the first month of your involvement, you will use the first smartphone app while driving. You need only ensure the app is running while you're driving – you don't need to interact with it at this stage.

For the second month, you will download another smartphone app, and again use it while driving. This time, you will additionally be encouraged to interact with the application before and after each journey.

At no time during the study should you engage with the app while driving, as this could be a safety risk.

At the conclusion of the second month, we will arrange another meeting time which suits you, and you'll be invited to provide feedback on the second smartphone application. At this time you'll also be presented with a \$20 voucher for your time.

	Interview	
	Study start	Study end
How long will it take?	20-30 minutes	20-30 minutes
Study explained, written consent obtained	✓	
Inclusion and exclusion criteria checked	✓	
Questions about your driving experience and behavior	✓	✓
Feedback on the smartphone application		✓

Data Storage, Retention, Destruction and Future Use

How: In addition to the two questionnaires which you'll fill out at the beginning and end of your participation in the study, the provided smartphone applications will record data each time you use it. The data will include the routes you've driven, as well as your speed and acceleration during those journeys.

Where: All data collected by the app will be stored on a secure University of Auckland server.

How Long: The data will be stored for six years.

Destruction: The data will be deleted, and any hard copies destroyed, after the six year period.

Who is co-ordinating this study?

The study is co-ordinated by the Department of Computer Science in collaboration with the National Institute for Health Innovation (The University of Auckland) and is funded a university research grant.

Right to Withdraw from Participation

You may withdraw from the study at any time, without having to give a reason. Your withdrawal from the study will not affect your relationship with the University of Auckland, including but not limited to any course marks, project supervision, or employment opportunities. You are encouraged to ask questions at any time during the study. If you have any questions, please do not hesitate to contact me.

If you choose to withdraw from the study, all data collected about you, including the questionnaires and data collected by the smartphone app, will be destroyed immediately. Note that you will not receive your \$20 voucher unless you choose to participate in the study for the full two months.

Anonymity and Confidentiality

The preservation of confidentiality is paramount. The information you share with us will remain confidential to Ian, Robyn, and myself. Any reports on this study may contain data which was collected about your driving, but will not contain any information which could be used to identify you personally, such as your name or address. The questionnaires and driving data will use a unique identifier assigned to you, rather than your actual name. The document which maps your name to your unique ID will be stored offline (i.e. not electronically) in a locked filing cabinet accessible only by Robyn, and will be destroyed along with all other study data after six years (see "Data Storage" above).

CONTACT DETAILS AND APPROVAL

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For any queries regarding ethical concerns you may contact the Chair, The University of Auckland Human Participants Ethics Committee, The University of Auckland, Research Office, Private Bag 92019, Auckland 1142. Telephone 09 373-7599 ext. 83711. Email ro-ethics@auckland.ac.nz.

Approved by the University of Auckland Human Participants Ethics Committee on _____ for three years. Reference Number _____.

***Thank you for taking time to read about this study.
Please keep this sheet for your information.***