

# Consent to be a Research Subject

## Introduction

This research study is being conducted by the Internet Security Research Lab at Brigham Young University under the supervision of Kent Seamons, PhD, a faculty member in the Computer Science Department. We are conducting a study on how to improve the usability and security of websites. Participants in this study will authenticate with a study website a complete a series of brief tasks over a period of 14 days.

## Procedures

If you agree to participate in this research study, the following will occur:

- Meet with a study coordinator at the beginning of the study for approximately 15 minutes to create an account on the study website.
- Over the next 14-day period, login each day and complete a short (2-3 minute) task on the study website.
- Meet again with a study coordinator at the end of the study for 20-30 minutes. During this time, you will complete a Qualtrics survey and a study coordinator will ask you a few questions to help us better understand your experiences using the study website.

This study will take approximately 75 total minutes to complete over a period of two weeks.

## Risks and Discomforts

There is minimal risk to participants of this study. Risks in this study may include some inconvenience associated with completing a study task each day as well as some stress if you are not successful in completing tasks. To minimize this inconvenience, study tasks have been designed to take less than five minutes. A study coordinator will assist you in completing the first required task and will answer any questions you may have. If you are not able to complete all tasks, you will receive partial compensation for your efforts. You may withdraw from the study at any time and receive compensation according to the schedule below.

You will be allowed to choose your own username and password to login to the study website. Your password will be stored using the latest recommended industry practices and is protected by strong cryptography while in transit. Although the study website is designed to look like an online bank, we ask that you not use your actual online banking password(s) for this study. Depending on which study group you are selected to be part of, you may need to provide us an email address and valid phone number. We will protect this information using strong encryption while in transit and will store this information behind a firewall in a database with restricted access. Although the study website is designed to look like a generic online banking interface, it does not deal with actual money and is unable to interface with any actual banking system.

## Benefits

This research may offer no direct benefits to you. It is hoped, however, that through your participation researchers will learn about online usability and may be able to improve the security and usability of the Internet.

## Confidentiality

In order to sign up for the study, we will require you to provide an email address where we can send you additional information about the study. We will only use this email address to coordinate your appointment times. Some tasks in this study may require you to receive one or more text messages from our automated study system at your personal phone number. We will not share your phone number or email address with any third parties except our messaging service provider and will delete your phone number and email address from our systems within 14 days of your exit interview with a study coordinator.

We will record the audio of your final interview with a study coordinator. These recordings will not be heard by anyone beside the researchers and will be stored securely in digital form. We will not publish or share any personally identifying information. A unique, random ID will be generated for you, and this ID will be used in place of any personally identifying information. Any data requiring a specifying identifier will use this ID.

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	3-8-2018	3-7-2019
	Approved	Expires

We may share some research data with other researchers, including anonymized survey responses, transcriptions of direct quotes from study subjects, timing and interaction data collected from the study website, and aggregate demographic data. We will not share any personally identifying information with this data, such as your name, email address, or phone number.

### **Compensation**

You will be compensated between \$10–25 to participate in this study. Your exact payment will depend on the number of days you complete a study task, as detailed in the table below. You may complete a maximum of one task per day. If you withdraw before the end of the study, you will receive prorated compensation according to the table below:

Number of Successful Tasks	Compensation
0-3	\$10
4-6	\$15
7-9	\$20
10-12	\$25

We will provide you a compensation voucher at the conclusion of the study. You can redeem this voucher for your payment at the BYU Computer Science Department offices in 3361 TMCB. You must appear in person with your compensation voucher during the time frame listed on the voucher to redeem your compensation. The department cannot disburse your payment to a spouse or friend. We are not responsible for loss of payment if you lose your voucher or fail to redeem it by the date listed.

### **Participation**

Participation in this research study is voluntary. You have the right to withdraw at any time or refuse to participate entirely without adverse consequences in relation to the Internet Security Research Lab, Computer Science Department, or Brigham Young University.

### **Questions about the Research**

If you have questions regarding this study, you may contact Kent Seamons, PhD by email at [seamons@cs.byu.edu](mailto:seamons@cs.byu.edu) or by phone at (801) 422-3722 for further information.

### **Questions about Your Rights as Research Participants**

If you have questions regarding your rights as a research participant, please contact the IRB Administrator by email at [irb@byu.edu](mailto:irb@byu.edu), by phone at (801) 422-1461, or at the following address:

A-285 ASB

Brigham Young University

Provo, UT 84602

### **Statement of Consent**

I have read, understood, and received a copy of the above consent and desire of my own free will to participate in this study.

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/2018

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