CONSENT DOCUMENT FOR ENROLLING ADULT PARTICIPANTS IN A RESEARCH STUDY

Georgia Tech Institute for Information Security & Privacy

Project Title: IDForWeb: a User-Friendly Public-Key Framework for the Masses (Student Project)

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Consent Title: [N/A]

Research Permission Form

You are being asked to be a volunteer in a research study.

Purpose:

The purpose of this study is to determine the usability and user acceptance of a tool called IDForWeb, which allows users to easily generate and announce their public/private key pairs, and to verify public key received from another person. We will also study the user acceptance of a password manager application that is built on top of IDForWeb.

Procedures:

First, you will be briefed about the research. You will then be given our Android app for generating key pairs, announcing public key and verify another person's key announcement. If you don't have an Android phone, you can run the app on a PC using the Android emulator/VM we provide. You will then be asked to tell your friends/family about this app, and if anybody is interested, have them try using our app to announce public key and verify the announcement of somebody they know. You will also be asked to show your friends/family a demo video of our phone call authentication app. Finally, you will fill out a questionnaire to document how well his/her friends/family are using our app and what are their reactions to our app and the demo video. You are expected to engage with 7 friends/family so they will both generate and announce a public key and

Consent Form Approved by Georgia Tech IRB: April 28, 2016 - March 23, 2017

verify each other's key. Each such engagement will last no more than 30 mins.

Risks/Discomforts:

The risks involved in this study are no greater than those involved in daily activities such as use of smart phones and interacting with webmail interface. The risks are also no greater than using such devices while being mobile and/or in public.

Benefits

The participants will have better understanding of what makes a new security mechanism usable (or not usable), and have better insight on the obstacles in deploying new security mechanisms.

Compensation to You:

There will be no monetary compensation for your participation in this study. However, should you choose to participate, you will get 15% of your grade for the course "Intro to Information Security" upon successfully completing the study and submitting the collected data. You will get 1.5 point for each of family/friends you engaged, and 3.5 points for the final questionnaire. If you choose not to participate, you can earn the aforementioned 15% by performing a literature survey on the usability of PKI, submitting a report of the findings from your survey, taking a pass/fail test on the aforementioned subject and creating a useful application of IDForWeb (you will need to submit proposals to us and we will vet the proposals before you start development).

Confidentiality:

The following procedures will be followed to keep your personal information confidential in this study:

- The data that are collected about you will be kept private to the extent allowed by law.
- Your name, and any other fact that might point to you, will not appear when results of this study are presented or published.
- Your privacy will be protected to the extent allowed by law.
- Your physical records will be kept in locked file cabinets, and your electronic records will be kept in digitally encrypted files and password-protected databases. These records will be destroyed after the research is complete.
- To make sure that this research is being carried out in the proper way, the Georgia Institute of Technology IRB will review study records. The Office of Human Research Protections may also look at study records.
- Only your data entered during the study will be collected by our system i.e., past and future location check-ins will NOT be collected.

Costs to You:

There are no costs to you.

In Case of Injury/Harm:

If you are injured as a result of being in this study, please   or pchung34@mail.gatech.edu Simon Chung, at telephone (404) 894-9007. Neither the Principal Investigator nor Georgia Institute of Technology has made provisions for payment of costs associated with any injury resulting from participation in this study.

Participant Rights:

- Your participation in this study is voluntary. You do not have to be in this study if you do not want to be.

- You have the right to change your mind and remove yourself from the study at any time without giving any reason, and without penalty.

- Any new information that may make you change your mind about participating in this study will be given to you.

- You will be given a copy of this permission form to keep.

- You do not waive any of your legal rights by being in this study.

- The researchers reserve the right to end the study at any point. If so, no data will be collected from you, the participant.

Disclose of Conflict of Interest (COI):

Dr. Lee's research group at Georgia Tech developed the App related to this study and Georgia Tech. Dr. Lee and his research group may benefit financially if it is marketed. The terms of this arrangement have been reviewed and approved by Georgia Tech in accordance with its Conflict of Interest Policy.

Questions about the Study or Your Rights as a Research Subject:

If you have any questions about your rights as a research participant, you may contact

Ms. Melanie Clark, Georgia Institute of Technology
Office of Research Integrity Assurance, at (404) 894-6942.

If you complete web registration form to sign up for this research study, it means

that you have read -- or have had read to you -- the information contained in this letter and would like to be a volunteer in this research study.

Thank you.