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Carleton University, School of Computer Science
COMP3008: Human-Computer Interaction, Winter, 2017
Interaction Design Project User Debriefing Form

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Note: This project was reviewed by the Carleton University Research Ethics Board (CUREB-B), which provided clearance to carry out the research: (Clearance #105985).

If you have any ethical concerns with the study, please contact Dr. Andy Adler, Chair, Carleton University Research Ethics Board-B (by phone at 613-520-2600 ext. 4085 or via email at ethics@carleton.ca)

COMP3008 Quantitative Usability Evaluation

The project is to enable students in the course to experience working with potential users to better understand the usability and performance of a prototype interactive computer system. Part of the process is that after your participation we give more detail about the study, and some follow-up information. Our particular study is primarily intended as an exercise for students in COMP3008. However, the specific topic, improving password strength and memorability, was chosen because it offers a range of complexities and is of real importance to many people. Much of life is now online, so online security is critical. A critical step is authentication, where users demonstrate their right to access systems or resources. This is most often done with usernames and passwords. As an authentication method, passwords have many advantages, but an important disadvantage is that the passwords that are easiest to remember are also easy for other people to guess. This project was to design a better kind of password system, and conduct an evaluation of how well it actually works. The project involves a number of steps, and is due near the end of March.

About COMP3008

COMP3008 is third-year Computer Science course on “Human Computer Interaction”, covering fundamentals of designing, prototyping and evaluating user interfaces. Topics may include: user and task analysis and its application to U.I. design, task and goal-centered development, U.I. tools and design principles, usability testing and heuristic evaluation, web design issues.

If you wish to learn more about this area, details are available in many textbooks such as that used in COMP3008: *Interaction Design: Beyond Human-Computer Interaction* (4th ed.) by Helen Sharp, Yvonne Rogers, and Jenny Preece. Wiley Publishing, 2015. A detailed outline of content of the book is available online at: <http://www.id-book.com>

Contact Details

For more details about this study, COMP3008, or Human-Computer Interaction study at Carleton, please contact the COMP3008 instructor, Prof. Robert Biddle, by email: robert.biddle@carleton.ca