Assignment 2

INSE 6150: Security Evaluation Methodologies
Due: **November 17**. Upload on EAS by 3:00 pm (15:00).

*Assignments are to be completed individually. Any reference to external material should be cited. Each student has available one slip day for use on one, and only one, assignment of his/her choosing. Using the slip day allows the assignment to be submitted at **noon** on the **Friday** that follows the due date without penalty. Late assignments will not otherwise be accepted (exceptions made for medical certificates).*

Assignments should be typeset (not handwritten), in PDF format and uploaded to ENCS' EAS system under "Assignment 2."

EAS: https://fis.encs.concordia.ca/eas/

Usability Study

In this assignment, you will perform a usability study of a privacy-enhancing browser extension using the cognitive walkthrough method. To do so, you will need to install Chrome, Firefox, or another supported browser. Concordia computers have Chrome installed. Further, install the extension. Choose one of the following to study:

Ghostery Ad Blocker (free version): https://www.ghostery.com

EFF Privacy Badger: https://privacybadger.org

Question 1 (14 marks)

As a first step, list seven core tasks that a typical user would want to perform using Ghostery/ Privacy Badger. Describe each task briefly (maximum three sentences) and why it should be considered a core task.

Question 2 (33 marks)

Choose three (of the seven) core tasks from Question 1 to use for your evaluation. You may use the same guidelines given in class for the walkthrough of Tor. If you'd like to augment them with new guidelines, specify these in this section. Briefly justify the reason for the task(s) you are choosing (maximum one sentence for each task).

For each of the three core tasks you chose, perform the evaluation and write up an evaluation for Ghostery/Privacy Badger for each, listing the ways it matches or does not match the guidelines. Limit yourself to one page per each core task, however you can include one extra page of screenshots or pictures if you want as an appendix.