NAME (PRINT): _____

Last / Surname   First / Given Name

STUDENT #: _____   **SIGNATURE:** _____

UNIVERSITY OF TORONTO MISSISSAUGA
APRIL 2016 FINAL EXAMINATION
CSC309H5S
Programming on the Web
Larry Yueli Zhang
Duration - 3 hours
Aids: 1 page(s) of double-sided Letter (8-1/2 x 11) sheet

The University of Toronto Mississauga and you, as a student, share a commitment to academic integrity. You are reminded that you may be charged with an academic offence for possessing any unauthorized aids during the writing of an exam. Clear, sealable, plastic bags have been provided for all electronic devices with storage, including but not limited to: cell phones, SMART devices, tablets, laptops, calculators, and MP3 players. Please turn off all devices, seal them in the bag provided, and place the bag under your desk for the duration of the examination. You will not be able to touch the bag or its contents until the exam is over.

If, during an exam, any of these items are found on your person or in the area of your desk other than in the clear, sealable, plastic bag, you may be charged with an academic offence. A typical penalty for an academic offence may cause you to fail the course.

*Please note, once this exam has begun, you **CANNOT** re-write it.*

This final examination consists of a total of 74 marks, for 7 questions on 20 pages (double-sided, including this one). When you receive the signal to start, please make sure that your copy of the examination is complete.

Each question is labelled with the suggested amount of time to solve it. If you use anywhere other than the provided space for your solutions, indicate clearly the part of your work that you want to be marked. Precise and concise answers will be given more credit than vague and lengthy ones. Illegible answers will not be given marks.

You must score at least 40% on this exam to pass the course, otherwise you final grade will be set to no higher than 47%.

Everything is figureoutable.

Q1: _____ / 22

Q2: _____ / 6

Q3: _____ / 10

Q4: _____ / 8

Q5: _____ / 8

Q6: _____ / 12

Q7: _____ / 8

TOTAL: _____ / 74