UNIVERSITY OF REGINA
Department of Computer Science
CS 215 – Web & Database Programming
Fall 2019

Assignment #1: Web Technology and Website Design Critique
Due: Wednesday September 18, 2019 by 11:55 PM

Question #1

Draw a diagram of the protocol stack that allows the Web to operate. This stack should include all of the key Internet protocols that are necessary, and depict the hierarchy of the protocols (e.g., high-level protocols that make use of the services of low-level protocols). Protocols that are part of the Internet but not necessary for the Web should be excluded. Use acronyms in the labelling of your diagram, and provide a list of the acronyms with their full names.

Question #2

Choose a website that you use on a regular basis. For this website, think carefully about the tasks it allows you to perform, its design, and how usable it is. Choose one specific page on this site, and write a design critique of it. This critique should be organized along three topics discussed about interface design (usability requirements, design principles, and usability). See module 2, topic 5 for more information. The usability assessment may be done with respect to one of the core tasks of the website.

Grading Scheme

This assignment will be graded out of 10 marks, based on the following criteria:

2 marks: Diagram of the protocols that enable the Web to operate
1 mark: List of acronyms and their full names
1 mark: Design critique: usability requirements
2 marks: Design critique: adherence to design principles.
3 marks: Design critique: support for the Five E's of Usability

Submissions

Your assignment should be submitted as a single PDF file and uploaded to the assignment submission page on UR Courses. If you draw the diagram by hand, you should scan this and include within the document you are preparing. **Name your file starting with your surname and initial**, in order to help the marker to organize the submissions.

Late submissions will not be accepted. If there are exceptional circumstances that kept you from submitting your assignment on-time, you should consult with your instructor as soon as you are able to do so. See the syllabus for more details on the late policy for this course.