

CS-428+828 Midterm Exam
October 24, 2019, 16:00 – 17:15, ED106.2
D. Hepting

This is a closed book exam. You must maintain the confidentiality of your examination; do not provide any opportunity for others to copy any of your work. Electronic devices are NOT permitted during the exam. Please turn off and put away all cell phones and other electronic devices during the exam period.

ANSWER ALL QUESTIONS. All answers must be written on this exam in the space provided. You have 75 minutes to complete the exam. Please plan your answers, favour quality over quantity, do not exceed the space provided, and do your best to write legibly. QUESTIONS ARE ON BOTH SIDES OF THE PAPER. This exam contributes 10 percent towards your final grade. The exam is marked out of 30.

Name (printed): _____

Signature: _____

Q1. (2 marks) What is a double diamond? [Fill in circle beside best answer]:

- a) A very advanced downhill ski run
- b) A framework for innovation
- c) A brand of cheese
- d) A tool to help empathize with users

Q2. (2 marks) Give one example of a tradeoff in design and explain it.

Q3. (4 marks) What is meant by user experience? What is meant by usability? Can an interface have good user experience and poor usability? Give an example.

Q4. (2 marks) What is design thinking?

Q5. (2 marks) Give an example of an exam question that uses recall rather than recognition. Is that preferable?

Think of the website <http://www2.cs.uregina.ca/~hepting/teaching/CS-428+828/201930> and consider a task that you do often at the website. (If you have not done any task on this website, you may substitute a task that you do at the URcourses website but with a 10% deduction in available marks for the following questions.)

Q6. (2 marks) Describe the task.

Q7. (10 marks) Create an empathy map of yourself performing the task.

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Q8. (4 marks) From your empathy map of the task, identify any problems or unmet needs
