

CS-428+828 Final Exam
December 19, 2019, 14:00 – 17:00, ED 106.2
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 180 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 25 percent towards your final grade.

Name (printed): _____

Signature: _____

Q1. (2 marks) Explain one of Jef Raskin’s “Laws of Interface Design”.

Q2. (2 marks) Explain the purpose of an interface metaphor.

Q3. (2 marks) Why do designers make tradeoffs?

Q4. (2 marks) Why is empathy important for a designer?

Q5. (2 marks) What are 2 reasons to test about 5 users on an interface design?

Q6. (2 marks) Is it the responsibility of a designer to only build what their client requests?

Q7. (2 marks) What is a risk of creating a high-fidelity prototype?

Q8. (4 marks) What were the benefits of testing your low-fidelity prototype?

Q9. (2 marks) What is a lesson from the story of the 6 blind men encountering an elephant?

Q10. (2 marks) What is the difference between quantitative and qualitative evaluation?

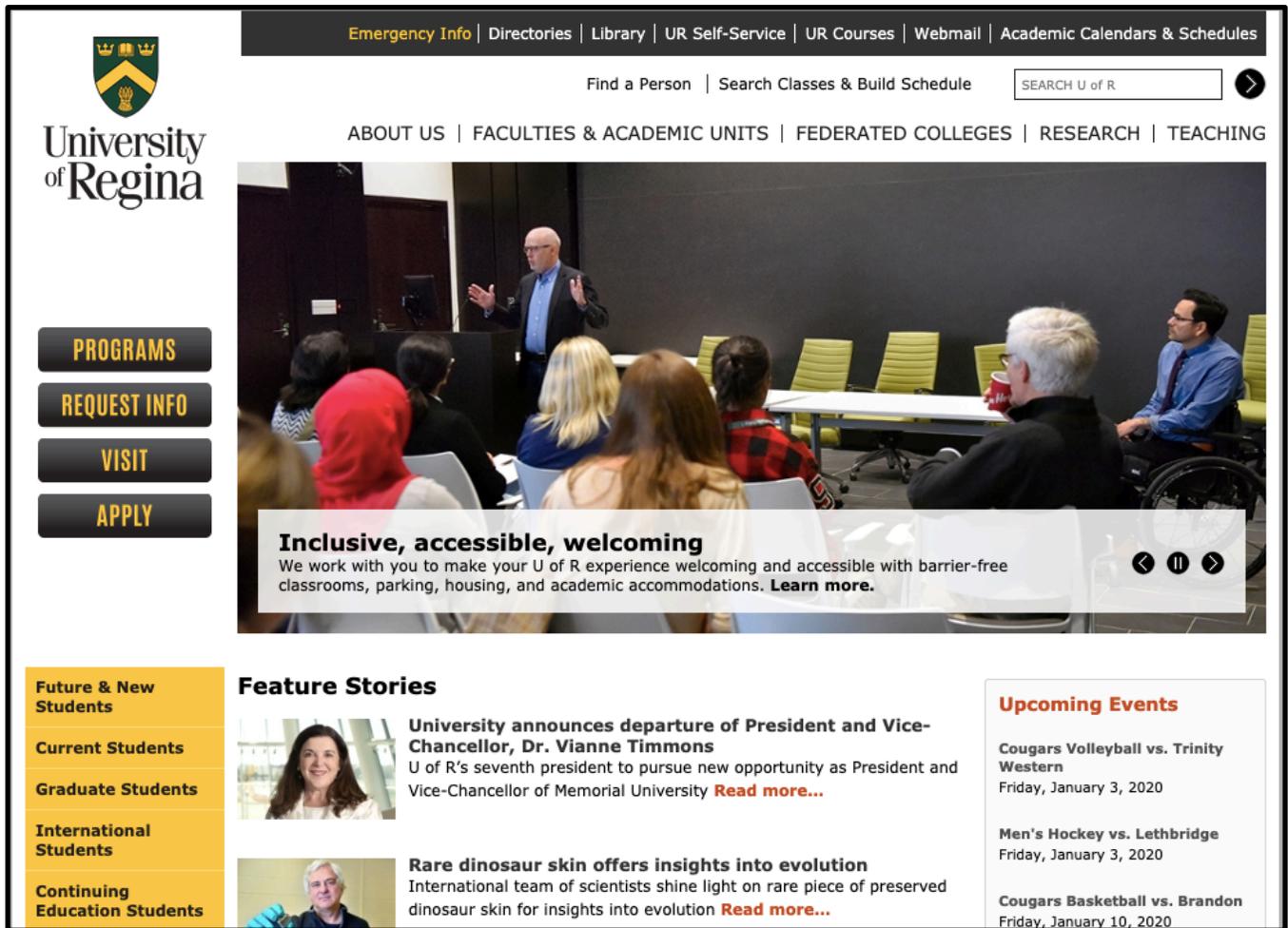
Q11. (2 marks) What guidance does Fitts' Law give us?

Q12. (2 marks) What is the difference between empirical and analytical evaluation?

Q13. (2 marks) Why is it an ethical issue to test an interface with undergraduate Computer Science students when your target users are senior citizens?

Q14. (2 marks) How is the GOMS KLM useful to a designer?

For the remaining questions, look at this screenshot of the University of Regina site. Imagine that you are a prospective student.



Q14. (4 marks) Describe what you see.

Q15. (4 marks) What is a question that you would like to answer and where would expect to click to find the answer?

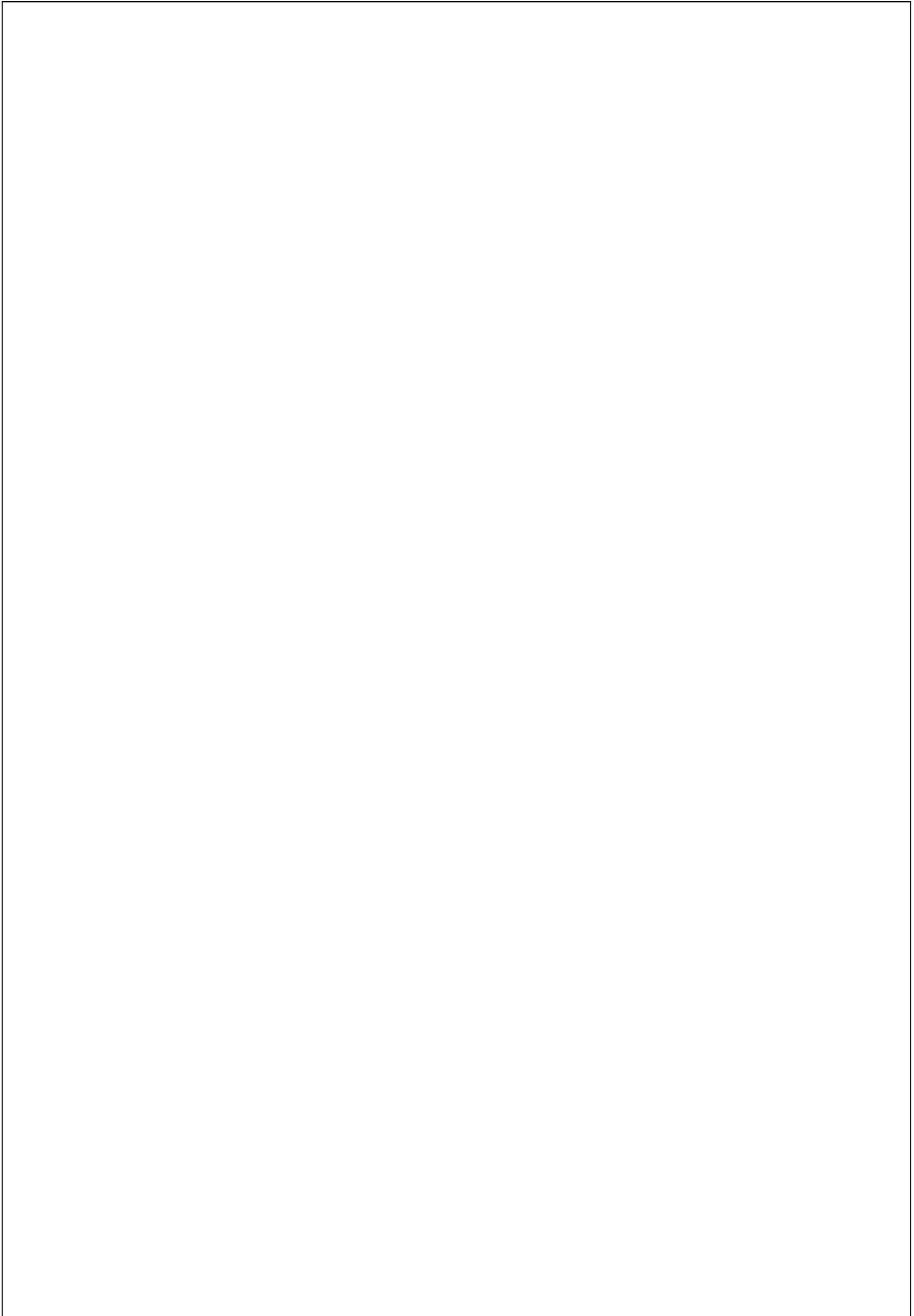
Q16. (2 marks) What metaphor can you identify in the design of the website that influences how you search for an answer to your question?

Q17. (2 marks) List the items on the picture of the website that you think are high priority for a prospective student, trying to answer your question.

Q18. (2 marks) What technique can be used to identify good names to describe a good organization for different functions?

Q19. (10 marks) Sketch and describe a new design of the website to answer your question.

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Space for rough work.