Wrapup

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CPSC 547, Information Visualization
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http://www.cs.ubc.ca/~tmm/courses/547-15

Schedule

- last two presentations
- course evaluations
- final presentation and report expectations

Evaluations

- https://eval.ctlt.ubc.ca/science
  - FoS suggests 10-15 min class time set aside for filling out online forms
    - better response rate
    - I don't see results until after marks are in
    - I'll leave the room, come get me when most/all are done
  - I'll send also out my own survey after marks are in, stay tuned

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Marking: Course overall

- 50% Project
  - 2% Pitches
  - 10% Proposal
  - 6% Status Updates
  - 14% Final Presentation
  - 18% Final Report
  - 50% Content
- 20% Presentations
  - 75% Content: Summary 50%, Analysis 25%, Critique 25%
  - 25% Delivery: Presentation Style 50%, Slide Quality 50%
- 30% Participation
  - 60% Written Questions
  - 40% In-Class Discussion/Exercises

- marking by buckets
  - great 100%
  - good 89%
  - ok 78%
  - poor 67%
  - zero 0%

Final presentations: Tue Dec 15 2-5:30 DMP 101

- length
  - 10 min for solo, 12 min for 2-person projects, 14 min for 3-person projects
  - includes questions, timer for 2-min warning
- structure
  - slides required
  - demos encouraged
    - screenshots and/or video for backup strongly encouraged
    - but do practice, demos eat up time!
  - should be standalone
    - don't assume audience has read proposal or updates (or remembers your pitch)
- logistics
  - send me your slides by noon if you're using my laptop, by 6pm if using yours
  - subject: 547 submit finalpresent

Final presentations marking

- last year's template
  - Intro/Framing:
  - Main:
  - Limitations/Critique/Lessons:
  - Slides:
  - Style:
  - Demo/Video:
  - Timing:
  - Question Handling:

Final reports

- PDF, use InfoVis templates http://junctionpublishing.org/vgtc/Tasks/camera_tvcg.html
- no length cap: illustrate freely with screenshots!
  - design study / technique: at least 8-10 pages of text
  - analysis / survey: at least 15-20 pages of text

- strongly encourage looking at previous examples
  - http://www.cs.ubc.ca/~tmm/courses/547-15/projectdesc.html#examp
  - Example Past Projects
  - browse 2014 reports

- encourage looking at my writing correctness and style guidelines
  - http://www.cs.ubc.ca/~tmm/writing.html

Sample outlines: Design study

- http://www.cs.ubc.ca/~tmm/courses/547-15/projectdesc.html#outlines
- abstract
  - concise summary of your project
  - do not include citations
- introduction
  - give big picture, establish scope, some background material might be appropriate
- related work
  - include both work aimed at similar *problems* and similar *solutions*
  - no requirement for research novelty, but still frame how your work relates to it
  - cover both academic and relevant non-academic work
  - you might reorder to have this section later

Sample outlines: Design study II

- data and task abstractions
  - analyze your domain problem according to book framework (what/why)
  - include both domain-language descriptions and abstractions
  - could split into data vs task, then domain vs abstract - or vice versa!
  - typically data first then task, so that can refer to data abstr within task abstr
- solution
  - describe your solution idiom (visual encoding and interaction)
  - analyze it according to book framework (how)
  - justify your design choices with respect to alternatives
  - if significant algorithm work, discuss algorithm and data structures
- implementation
  - medium-level implementation description
    - specifics of what you wrote vs what existing libraries/toolkits/components do

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Sample outlines: Design study III

- results
  - include scenarios of use illustrated with multiple screenshots of your software
    - walk reader through how your interface succeeds (or falls short) of solving intended problem
    - report on evaluation you did (eg deployment to target users, computational benchmarks)
- discussion and future work
  - reflect on your approach: strengths, weaknesses, limitations
  - lessons learned
    - what do you know now that you didn't when you started?
  - future work
    - what would you do if you had more time?
- conclusions
  - summarize what you've done
  - different than abstract since reader has seen all the details

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Sample outlines: Design study IV

- bibliography
  - make sure to use real references for work that's been published academically
    - not just URL
  - be consistent! most online sources require cleanup including IEEE/ACM DLs
    - pay attention to my instructions for checking reference consistency
      - http://www.cs.ubc.ca/~tmm/writing.html#bib

- see page for other four project types
  - technique, implementation, analysis, survey

  http://www.cs.ubc.ca/~tmm/courses/547-15/projectdesc.html#outlines

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Report marking

- required: at least material I've listed
  - you may include more material, you may choose alternate orderings
- possible marking scheme (may change!)
  - 14% for each of
    - Intro, Abstractions, Solution, Implementation, Results, Discussion, Style
  - 2% for remainder of Related Work credit
    - most of that mark from update portion
- reminder: project content is 50% of entire project mark
  - entire report is only 18%

Code / Video

- required: submit your code
  - so I can see what you've done
  - include README file at root with brief roadmap/overview of organization
    - which parts are your code vs libraries
    - how to compile and run
    - I do not necessarily expect your code compiles on my machine
- encouraged but not required
  - submit live demo URL
  - open-source your code
  - submit supporting video
    - with or without voiceover
    - very nice to have later, software bitrot makes demos not last forever!
  - can be same or different from what you show in final presentation

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Logistics

- subject: 547 submit final
- due Fri Dec 18 5pm
  - required: report, code
  - encouraged: live demo URL, video

Come talk!

- encourage meeting with me to get advice/feedback before submitting
  - do send email to schedule, can't meet with all 18 of you in last few days!
  - Fri Dec 11 is last possible day, I'm not on campus Mon Dec 14