Wrapup

Tamara Munzner
Department of Computer Science
University of British Columbia

CPSC 547, Information Visualization
3 December 2015

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](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
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_tv.png]

• 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
  – Example Past Projects
  – browse 2014 reports

• encourage looking at my writing correctness and style guidelines
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
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
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
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
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