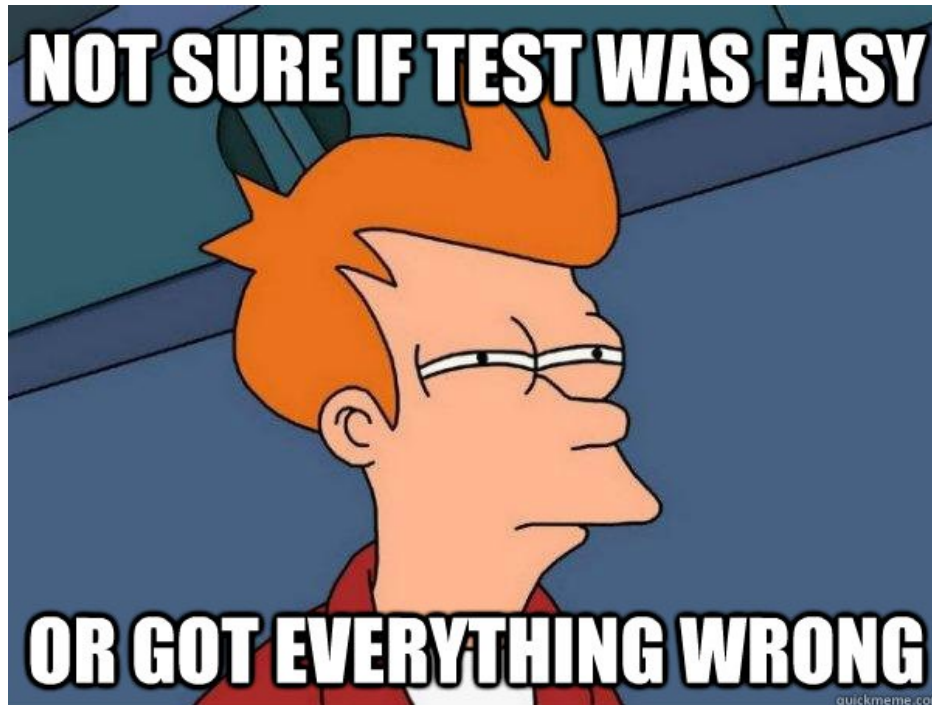# Mobile Security
14-829 – Fall 2013

Patrick Tague

Class #26 – Discuss Final Deliverables, Wrap-up

Agenda

- Discussion of final deliverables
  - Final project presentations on Dec 2-4
  - Final project report due Dec 11
  - Mobile app audit due Dec 11

  - Open Q&A about deliverables, expectations, etc.

- Semester wrap-up

Exam Questions?

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Final Project Presentation

Final Project Presentation

- Final presentations will be in class on both December 2 and 4

- Like progress reports, each team will have 15 minutes

- Presentation should include:
  - Re-hash problem statement, goals, etc.
  - Detailed discussion of your approach, findings, results
  - Discussion of challenges faced, how overcome, etc.
  - Discussion of future work

Presentation

- Q: Does everyone on the team have to present?

- A: Yes, team members that don't present will get fewer points. Try to have a roughly even split of time across team members.

Presentation

- Q: Any style guidelines on the presentation?

- A: Not really, but pictures/figures are always better than text.

Presentation

- Q: Can we do a demo?

- A: Absolutely! Live demos or recordings are both great. However, be warned about live demo gremlins.

Questions about the presentation?

Final Project Report

Carnegie Mellon University
Silicon Valley

Final Project Report

- Final project reports are due on December 11, one week after the last day of class

- At least one person from each team should submit a copy of the project report

- No extensions will be given

Report

- Q: What format should the report be in?

- A: I don't really care, as long as it's at most 15 pages.
  - Seriously, I'll stop reading at the end of page 15
  - If you really want to know my preference, I'd say single-column, double-spaced IEEE draft format

  - Also, include lots of figures

Report

- Q: What should be included in the report?

- A: Short answer, everything.

- A: Long answer, overall introduction to and description of the problem, a hypothesis / goal, detailed description of the approach, technical details, any simulation or testing, results, conclusions, future work, challenges, figures, …

Report

- Q: Publication?

- A: Yes!

- A: If you're interested in submitting your project report to a workshop, conference, etc., please talk to me ASAP.

Questions about the report?

Mobile App Audit

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Mobile App Audit

- Individual project for the course duration
  - Each student chooses an app, either something that already exists or something new
  - App should be relatively "feature-rich" (otherwise the audit isn't very exciting)

- Goal is to audit the app on various aspects covered in class
  - Outcome is a report on the overall security and privacy of the app, what could be improved, etc.
  - Report can be presented to original developer or used to develop your own app/service

Audit

- Q: What app should I choose?

- A: You didn't start yet?

- A: That's pretty much up to you, but I'm willing to work with you to find something interesting.

Audit

- Q: Can I choose the same app that my project group is studying?

- A: Sure, but the audit has to be done individually, and you can't re-use the same content as your project report.

- Q: Can I choose the same app as my friend?

- A: Sure, but the audit has to be done individually.

Questions about the audit?

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Feedback

- I really appreciate feedback about the course:
  - What you liked, what you didn't like, what should be added/removed, etc.
  - We tried some experiments this year, so we're looking for constructive comments/criticism (we can take it)

- Please do a course evaluation

Android Phones

- For those of you who borrowed Android phones for the course, we need those back!
  - Please give them to Yuan or me by Dec 13

  - If you broke/lost anything, please replace it

  - Don't worry about software, we'll flash to stock

Team Effort Reports

- As part of the final project report submission, I need the following from every individual:

  - Send me an email with a task and percent breakdown of how much contribution **you feel** each team member did

  - Ex:
    - From: Jordan
    - Jon and I wrote all the code, Joey did a lit survey and helped in the app design, Donnie designed the server infrastructure, Danny came up with privacy specifications
    - Jordan = 25%, Jon = 18%, Joey = 22%, Donnie = 20%, and Danny = 15%

Questions?
Comments?

Nov 27:
No class – Happy Thanksgiving!

Dec 2-4:
Final Project Presentations