Closing thoughts…

Requirements Engineering

- RE is difficult
  - Different types of stakeholders
  - Non-functional pressures (costs, market share, deadlines, etc.)
  - New demands for RE (security, assurance, interoperability)

- RE technology is still evolving
  - New elicitation techniques
  - New modeling approaches
  - New analysis and verification techniques
  - …

Future of RE

- Importance of RE is increasing
  - Many organizations have survived with great programming skills
  - Prevalence/complexity of computing making good programming insufficient

- 4 Factors will demand rigorous RE practice
  - Scale (size, complexity, # of decision nodes)
  - Need for autonomic computing (self-*
  - Globalization (distributed elicitation, modeling, development)
  - Assurance (security, correctness, fault-tolerance)
Stay on the Leading Edge

- It is easy for technical skills to become obsolete
  - Computing field is moving at lightening pace
  - HW is changing quickly
  - User needs are changing
  - SW continues to try to catch up
- Professional development:
  - Join IEEE
  - Take professional enrichment workshops
  - Attend major international conferences
    - (OOPSLA, ICSE, RE, ICAC, ASE)
  - Look for opportunities to work on new technologies
  - Plan for 5 years down the road, not just tomorrow.

More Schooling?

- Graduate School:
  - Did you know that you can go to graduate school for free and get paid a salary?
    - (RAs, TAs, fellowships, company sponsorship)
  - Investment in yourself: take the GREs now!
    - Good for 5 years
  - MS vs PhD (more advanced development vs research)
- Not happy with your career:
  - School is always a good place to get your bearings again

Questions to answer

- Name 3 key things that you learned about RE and/or SE from this course
- Discuss the tradeoffs between having a customer-sponsored project versus a made-up project
- Discuss tradeoffs between having group projects versus individual projects.