403 Day 1

Student Input – Goals/Concerns
What are my goals for the course?

To learn about:
- The whole software lifecycle process
- Architecture, testing, release feature lists, new technologies, secure and stable software ….
- Working as part of a group on a big project, including roles and responsibilities of members
- Types of risks involved in software development

To:
- Develop a project that’s really meaningful
- Be better prepared to work in industry
What is my biggest concern?

Here’s the top 4 starting with #4:

4. Scope/breadth/deliverable of the project will be too ill defined, or too broad, or too uninteresting

What can we do to mitigate this?
What is my biggest concern?

3. Inexperience

As a team, can we work with all skill levels? How?
Is this class an opportunity to increase skill levels?
What is my biggest concern?

2. The time commitment

• Readings, assignments, final AND a major project?
• Can we keep to our project development schedule?
• Can we avoid the “cramming” at the end?
• It may be hard to coordinate schedules with group members
• Group meetings can take time
What is my biggest concern?

And the #1 concern is …

1. Working with a group member who isn’t responsible, dedicated, or pulling his/her weight, thus making more work for the others and/or bringing down our grade

What can we do to about this?

Risk mitigation
Risk management
Risk Mitigation

- Motivate all team members to do their best by tying their project grades to their performance

- Beta Release and Final Release project grades
  - $x\%$ based on *overall* project deliverable
  - $y\%$ based on *individual* contribution, assessed by peer reviews, self review, staff input

- Propose $x=75$, $y=25$

Shall we vote?
Risk Management

1. Have checks and balances in your development
   - Allows you to monitor progress
   - Allows you to recover
2. Have mini-milestones established
   - Early detection plan
3. Address the problem directly if it arises
   - Establish tasks and expected completion times for the individual

We’ll be discussing this more during the quarter!