COSC 499: Capstone Software Engineering Project

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Exercises in GitHub Classroom

- A private repo has been created for you
- Follow the link to complete the setup through GitHub Classroom
- You will need to login to GitHub before joining the project

- Team repos (Practice Exercise and Course Project):
  - If you are the first one in your team, you will need to name your team
  - Members joining later will need to select the team name but it cannot be changed
  - Please ensure that everyone has joined the repository, cloned it to your local and you are able to commit to the repo

Project Options

- Possible options
  - 1. Image Learning
  - 2. Charity Donation
  - 3. Insurance Policy Checks
  - 4. Transactions Querying

- Options #1 is open-source but #2,#3,#4 require IP agreement
  - All have external clients

- Client involvement
  - No weekly meetings with client
  - Available through information sessions (during class)
 - One of the judges in a panel in April
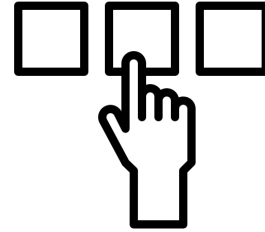
Client Information Sessions

- Scheduled dates on course website
    - Submit team questions/video demos in advance
    - Each client attends 30-40 min to answer your questions

- Client evaluation
    - Ongoing feedback
        - Based on what your team submits before the session
        - Based on your interaction during the Q&A
        - Optionally inspect the work in the repository
    - Final project feedback

Developing User Scenarios and System Features

- Come up with use cases for target user groups
    - Think of a complete happy path
    - How many features needed to demonstrate this?
    - Have you considered front-end, back-end, integration, deployment, etc.?
    - Are the features roughly the same "size"?

- What constitutes a minimal viable prototype to successfully demonstrate the project goal?
- Align features to team members and sprints
- What tests can you write to demonstrate a passing feature?
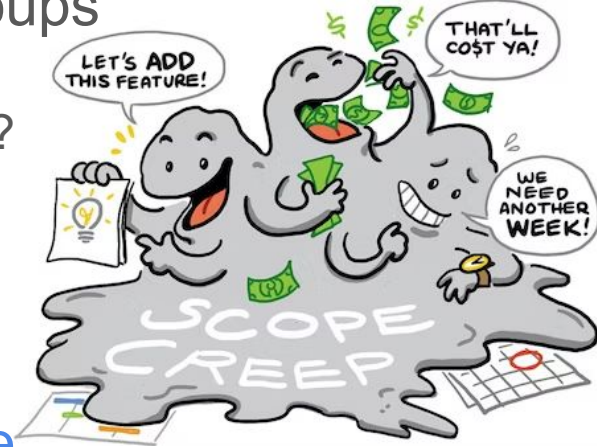
In-Class Meetings

- Two-week sprints (TAs and Instructor)
    - First week: Direction, feedback, discussions, concerns, support
    - Second week: Demo & progress evaluation
                                   Only your merged work will be graded
                                   Do NOT delete branch history
                                   Be prepared to do live demo at the start of class

- While you wait …
    - Reflect on your submitted weekly checkpoint
    - Plan for/work on upcoming week
    - Review GitHub collaboration process and repo insights
    - Project progress: review task board
    - Receive technical opinions and advice