CIS 405 Software Engineering
Technical Talk, Spring 2023

Overview: The objective of this assignment is to have students engage more deeply with a selected technical tool that will be used in the team software project. This engagement will include independent exploration of the tool and a presentation/demonstration of that tool.

Learning Objectives

After completing this assignment, students should be able to:
- Learn a new technical tool or new features of a familiar technical tool independently.
- Demonstrate how to use a software tool.
- Give an effective technical talk.

Tech talk requirements
- Procedural details
  - Topics: Students will choose a topic from a list that I provide.
  - Talks will be videoed, for internal use only. For any use outside of class, we will ask for written permission to use the video.
  - Presentation order will be determined ahead of time by me. Missed talks cannot be made up unless there are truly exceptional circumstances.
  - Time box: 15 minutes for presentation + 3 minutes for questions.
- Content:
  1. Introduction and Conclusion. Your presentation must have a proper structure, including introduction and conclusion.
  2. Overview of the software/tech tool.
  3. Special topics (from me) for your software/tech tool. (See Notes following.)
  4. Discussion of the feature of the software/tech tool that you learned new for this assignment. (See Notes following.)
  5. Demonstration of the software/tech tool.
  6. 3, 4, and 5 above may be done in whatever order or integrated as you consider best for your presentation, as long as they are all present.
  7. You must have slides as part of your talk.

Notes on talk content
- Each student must set up a time for an in-person meeting with me outside of class about their talk topic (15-minute time box). My preference is to have the meetings during office hours, but I will try to accommodate your schedule if you can't get to office hours. I must have at least 24 hours of lead time ahead of your meeting. During this meeting, I will give you some specific aspects/special topics to include in your talk.
- Students will start out with varying degrees of familiarity with their software/tech tool. Each presenter must learn some new

Evaluation

Evaluation criteria for the talk will be available in a separate document. Grading for the talk will include the content and your presentation skills.

Dates of talks

Thu Feb 16 and Tue Feb 21.