COSC 494 – Project

The goal of the project is to design a software engineering tool, like the ones we have discussed this semester. You will motivate the need for your tool, describe how it works, and propose an evaluation for it in a paper.

You will submit the paper as a PDF to Canvas on the last week of class.

Formatting:
- Use the latest SIGCHI format: [https://sigchi.org/templates/](https://sigchi.org/templates/)
- You may choose from the Word or LaTeX template.
- Do not modify the formatting (i.e., font, margins, etc.).
- Remove the copyright text (lower left of the first page).
- Figures should be placed at the top of the page, either in one column or across both columns.
- Figures should have descriptive captions.

Requirements:
- Minimum 3 full pages including title, figures, and references.
- Minimum 10 references in ACM format.
- Minimum 2 figures that illustrate your tool.

Grading:
- 40% of the grade will be your tool concept. Make sure you are clear about the features and exactly how they work. Good figures and examples help a lot!
- 40% of the grade will be the organization, motivation, and clarity of your paper. Each paragraph should have a big idea. Beware of unmotivated details.
- 20% of the grade will be the formatting.
- All three of these grading components are dependent on one another, so one may impact the others. E.g., bad organization will make it difficult for me to understand your tool.
- I will not deduct points for grammar and spelling unless it becomes distracting. Please proofread.

Recommended outline:
- Introduction
  - What is the big problem?
  - What is the subproblem?
  - What is the high-level approach for your tool?
- Related Work & Background
  - What approaches have others tried?
  - Why aren’t they enough?
  - Any background info we need to know outside of general software engineering
- Tool
  - High-level summary of the tool’s goals/features
  - What is novel?
  - Exactly how does it work?
  - How does a user interact with it?
- Include and explain figures!

**Proposed Evaluation**
- What kind of study would you perform?
- How would you recruit participants?
- What would you measure?
- What would you compare to?

**Conclusion & Future Work**
- Summarize the problem and how your tool solves it
- How could your tool concept be improved?