CSE306 Software Quality in Practice

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Today

- Choose your own adventure
- EXP2 update - Q&A
- POST - thoughts on what it should be?
# End-of-Semester overview

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Topic ideas

- Golden rules
- Compilers (gcc, clang)
- Git
- Unit testing (CUnit)
- TDD
- Build tools (make)
- Coverage testing (gcov)
- Performance testing (gcov, callgrind)
- Memory leaks (memcheck)
- Debuggers (gdb)
- Team collaboration tools (Trello)
- Shell scripting (Bash)
Notes on board

1. Makefile
2. GDB
3. What will LPR look like?
4. Working with external libraries
5. Multi-language tool → tool suites for other langs.
6. Make up for old labs (specifically last lab)
7. Memory leaks
   - Where they come from
8. Can we use other labs?
9. Shell scripts
   → Some scripts
   file system manipulation, creating input files
10. Format clean code
11. How to do the last 2 labs + 2
12. Work on project in lab time.
13. Putting it all together (before bids end)

- Inspecting memory
- Formatted output into command
- Different U.S.
- Compiling with external libraries
- Syntax errors