Software Engineering

Midterm on Friday: Be on time to class! 1 page, front and back, of notes allowed

Today: Software Engineering
- Git (command line)
  - Command line basics
  - Commits
  - History
  - Merging
  - Tagging
  - Remotes
- Pair Programming
- Debugging and Test-Driven Development

Git: Distributed Version Control System

Git Commands:
git init | starts a repository in the current directory
git status | gives the current status of the repository
git add <file> | adds a file to the staging area
git commit -m "some message" | commits the staging area
git log | shows the history
git checkout <commit hash> -- <file name> | revert to a previous version of a file
git add . | adds all of the files not in .gitignore to the staging area
git push <remote> <branch> | pushes all commits in a branch to a remote
git push origin master | The push command you want to use
git tag <TAGNAME> | Make a tag locally
git tag -f <TAGNAME> | Make a tag locally (force overwrite)
git push origin --tags | Push tags to origin (Gitlab)
Git push -f origin --tags | REALLY push tags