# ***Lunch and Learn 2024-04-16 Speaking Notes***

## CLI Basics (BJ)

File System — 3 minutes

* An organized way to store data on the hard drive
* Managed by the operating system
* Draw an org chart on the board
* Draw a file path chain on the board
* Show CMSI 3510 week 10 hard disk diagram

Directory structure — 3 minutes

* A way of visualizing the file system
* UNIX/Linux/MacOS starts with the “slash” at the top
* Windows starts with the “C” drive at the top [why?]
* Refer back to file path chain diagram on board
* Show CMSI 3510 week 11 phone book
* Visualize as a filing cabinet with folders and files

Command line / terminal window — 8 minutes

* Way of accessing files without the GUI
* Anything you can do with the GUI you can do with the terminal
* Show making a directory hierarchy using ‘mkdir’ command
* Show the command line web page
* Show some examples on windows
* Show some examples on Linux

## Git Basics (BJ)

* Talk about local vs. remote storage
* Show Git on web
  + Make a repository
  + Make a folder structure - idiosyncrasies
  + Upload a file
* Show GitHub Desktop
  + Clone a repo to local hard drive
  + Make some new files on the local hard drive
  + Use desktop to commit and push
  + Drop a file using the web version
  + Use desktop to pull it