265 lab 1 overview

- Official details on the lab 1 page, this is just an overview
- You'll be forking/cloning your project repository, then doing lots of git adds/commits during the rest of the lab
- This version gives you the .h and .o files, no .cpp
- You'll be experimenting with demo program behaviour and creating a man page
- You'll be creating a branch of the repo and conducting various bash exercises in the primary and lab1 branches
- You'll be merging the branches and resolving a conflict
- You'll be pushing the final result

Prep material

- all lecture videos from first week of term
- lab review/prep videos from first week of term
- git/version control lecture videos from second week of term
- project/standards video and lecture material
- lab 1 web page

Forking/cloning the repo

- Watch the video on git submit basics and troubleshooting and read the lab instructions for steps 0, 1 and 2 carefully before beginning
- Follow the steps carefully, make sure each step works before moving on to the next

Compiling and experimenting

- Use the make command to build the executable and ./demo to run it
- Don’t delete any of the .o files, you don’t have any way to re-create them
- Use your preferred editor to modify file man1/demo to create a man page, and “man man1/demo” to look at your page (be careful not to trash any of the odd man page syntax when adding your content)

Bash and branching experiments

- Steps 5-7 need to be followed very carefully, read all of them through carefully before you start step 5
- Be careful not to accidentally skip any steps, your final merge depends on the exact sequence of git branches and checkouts, file modification/saves, and git adds and commits given in the steps

Don’t forget to push!

- Remember the instructor only sees what winds up back on the central server
- If you forget to add/commit/push your work then it won’t get marked
- Use the full push command shown (i.e. with origin and –all) since our project contains branches