

# NunyaOS

Week 7



# Updates

- Began syscall design (everyone)
- Squashing bugs in kmalloc (Ryan/Kyle)
- Adding help command to terminal (Jesse)
- Error handling across modules (Jesse)
- Loading programs from disk (Shuyang/Zach/Ryan)
- Successful Doxygen compile (Alex)
- Created NunyaLibs repository



# File System

- Discussion/Research as to what syscalls look like
  - We are not going to make a Nunya compiler simply to provide libs
  - To develop user processes, gcc -ffreestanding with our libraries (calling our syscalls)
    - These will be developed and put into a separate, existing repo, NunyaOS/NunyaLib
  - Questions later.
- Begin work on help command
  - Mostly documentation
  - List all commands available in terminal
  - Add --help flag for previously existing commands



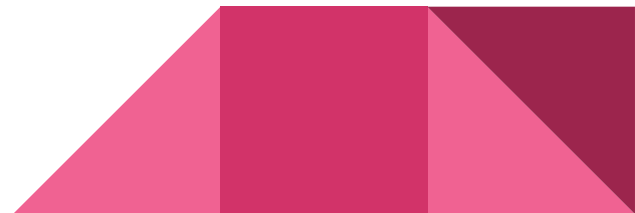
# Memory

- Continued work on loading a process from file
  - Unable to execute new code -- not sure if memory/file issue or jump issue
- Debugging a crash caused by loading a binary file from iso
  - Ryan: unable to reproduce on his computer; investigating



# Window System

- Closed NUN-8 -- Unnecessary graphics check bounds
- Discussion with Zach about setting aside memory between 1a000000 and 1c0000000 for screen buffer
  - Needed for smooth mouse support
- Added flag for last interrupt -- useful for debugging



# Questions

- Syscall -- what does this look like?

