

MAIN MENU

- 0 - **menu**
 - Brings up the main menu with all of the options
- 1 - **help**
 - Brings up the help guide
- 2 - **set_date**
 - Calls the function to set the system's date
- 3 - **get_date**
 - Retrieves the system's current date
- 4 - **set_time**
 - Calls the function to set the system's time
- 5 - **get_time**
 - Retrieves the system's current time
- 6 - **version**
 - Retrieves the current version of the system
- 7 - **process_management_mode**
 - Enters the process management mode of the system
 - See **PROCESS MENU** for more details
- 8 - **alarm**
 - Calls alarm function and allows user to set a time to sound the alarm
- 9 - **clear**
 - Clears the terminal screen
- 10 - **show_allocated**
 - Shows all of the allocated memory in the system
- 11 - **show_free**
 - Shows the free memory in the system
- 12 - **is_empty**
 - Tells if the heap is empty (all free memory) or not
- 99 - **quit**
 - Quits the system

PROCESS MENU

- 0 - **PCB_menu**
 - Brings up the main pcb_menu with all of the options
- 1 - **pcb_help**
 - Brings up the process management mode help guide
- 2 - **suspendPCB**
 - Moves a process control block into the suspended state
- 3 - **resumePcb**
 - Moves a process control block into the running state
- 4 - **set_priority**
 - Allows the user to change or set the priority of a process
- 5 - **show_pcb**
 - User enters a pcb name and it is found and printed to the screen
- 6 - **show_all**
 - Shows all of the pcbs in their respective queues
- 7 - **show_ready**
 - Shows only the ready processes
- 8 - **show_blocked**
 - Shows only the blocked processes
- 9 - **show_suspended_ready**
 - Shows only the suspended ready processes
- 10 - **show_suspended_blocked**
 - Shows only the suspended blocked processes
- 11 - **deletePCB**
 - Deletes a process from its respective queue
- 12 - **loadr3**
 - Loads the given test processes into our system for testing
- 13 - **infinite**
 - Runs the infinite process of our system
- 14 - **clear**
 - Clears the terminal screen
- 99 - **exit_process_managment_mode**
 - Quits the process management mode and goes back to main menu