

User Manual

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R1

Get date - Displays the current date of the system.

Set date - Prompts the user to set the date of the system.

Get time - Displays the current time of the system in the format HH:mm:ss.

Set time - Prompts the user to set the time of the system.

Version - Displays the current version of MPX and the completion date.

Help - Provides usage instructions for each of the commands.

Shutdown- Asks for confirmation before shutting down the system. Type in y to shut down or n to cancel.

Clear - Clears all previous lines from the terminal so the user may experience a clean terminal window.

R2

Suspend - Places a PCB in the suspended state and reinserts it into the appropriate queue

Resume - Removes a PCB from the suspended state and reinserts it into the appropriate queue

Set Priority - Sets PCB's priority and reinserts the process into the correct place in the correct queue

Show PCB - Displays the following information for a PCB: Process Name, Class, State, Suspended Status, Priority

Show all Processes - Displays the following information for each PCB in both the ready and blocked queues: Process Name, Class, State, Suspended Status, Priority

Show Ready Processes - Displays the following information for each PCB in the ready queue: Process Name, Class, State, Suspended Status, Priority

Show Blocked Processes - Displays the following information for each PCB in the blocked queue: Process Name, Class, State, Suspended Status, Priority

R3

Loadr3 - Loads all r3 “processes” into memory in a suspended ready state

R4

Alarm - Set an alarm with a specific message and time that it should be printed

R5

Show Free - Shows the address and size of the block in the free list

Show Allocated - Shows the address and size of the block in the allocated list