

Lab 3 - Writeup

Files Changed

- proc.c
 - Changed line 202 copyuvm call to take in the stacksize of the process
 - The np process takes the stack size of the current process stack size
- proc.h
 - Added stacksize to the process
- lab3test.c
 - Test cases for the lab provided by the TA
- Makefile
 - Added the lab3test file in order to be implemented
- syscall.c
 - Adjusted the bounds to check the TOP of the user memory instead of the size of the process
 - ep now equal to TOP not size of current process
- sysproc.c
 - Added the function definitions for the syscalls of changepriority, getpriority, and yield
- defs.h
 - Changed the copyuvm function signature to take in the process stacksize
- exec.c
 - Changed the inputted parameters for allocuvm call on line 66 in order to consider the size of the stack
 - sp now equals TOP instead of sz
 - When allocating the process the stack sz gets set to 1
- memlayout.h
 - Defined a variable (TOP) that is the space right before the kernel memory
- trap.c
 - Added the case for when we encounter a page fault that will output a message
- vm.c
 - Made it so that we can check whether we are in the virtual memory