

# CS 61 Problem Set 3

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Fill out both this file and **AUTHORS.md** before submitting. We grade anonymously, so put all personally identifying information, including collaborators, in **AUTHORS.md**.

Grading notes (if any)

Extra credit attempted (if any)

- Copy-on-write fork
- **kill** system call
- **sleep** system call

**p-sleepkill** test file: parent forks a child, sleeps for a bit, and then kills the child once it runs out of memory. It can be accessed by pressing the **s** key after **make run**.

**Additional extra credit in this commit:**

- **mmap** system call: extended version of **sys\_page\_alloc** which supports multi-page allocations and page protections for newly allocated pages
- **munmap** system call: removes mapping for a given region
- replaced implementation of **sys\_page\_alloc** with **sys\_mmap**

**p-map** test file: