Section 2: Lab 2 Overview

CSE 451 18sp

Warning!

Start lab 2 early!

It is significantly more challenging than lab 1.

Hint: Read the comments in the code carefully! They often have very helpful tips/instructions!

Physical Memory Allocator

- Keep track of which pages in memory are free and which are being used.
- Store an array of PageInfo structs to keep track of which pages are being used.

New file: pmap.c

In the file kern/pmap.c, implement code for the following functions, probably in the order given:

- boot_alloc()
- mem_init()—only up to the call to check_page_free_list(1)
- page_init()
- page_alloc()
- page_free()