

Husain Alshehhi

page_table.C

- (1) Added the fact that directory[1023] = directory itself. I check the address when given if it belongs to any of the vmpools I have, if not, I reject it.
- (2) For free_page, I just remove the associate frame.
- (3) register_vmpool, I keep an array of size 10, to track each vmpool.

Vmpool.C

- (1) In the constructor, I only register the vmpool in the page.
- (2) in allocate, I keep regions. Each "region" object keeps track of (1) availability of the region, and (2) the size of each region. If I want to have a region, I just split the region (if possible).
- (3) release works backward. It makes the region available, and combine empty regions.
- (4) legitimate just checks if the address is within the boundary

Problems:

My allocator only allocates 1024 entries. I don't know why.