

Homework: x86 MMU

This assignment requires the files `xv6.pdf` and `xv6_rev0.zip`. You may download them from the Assignments page.

Read chapters 5 and 6 of [Intel 80386 Reference Manual](#). These chapters explain the x86 Memory Management Unit (MMU), which we will cover in lecture today and which you need to understand in order to do lab 2.

Read: `bootasm.c` and `setupsegs()` in `proc.c`

Hand-In Procedure

You are to turn in this homework during lecture. Please write up your answers to the exercises below and hand them in to a 6.828 staff member by the beginning of lecture.

Assignment: Try to understand `setupsegs()` in `proc.c`. What values are written into `gdt[SEG_UCODE]` and `gdt[SEG_UDATA]` for `init`, the first user-space process? (You can use Bochs to answer this question.)