

The big picture in 5 pieces

The need for bootstrapping	
The need for concurrency	project 1
The need for user programs	project 2
The need for virtual memory	project 3
The need for a filesystem	project 4

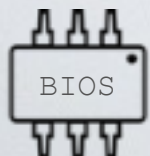
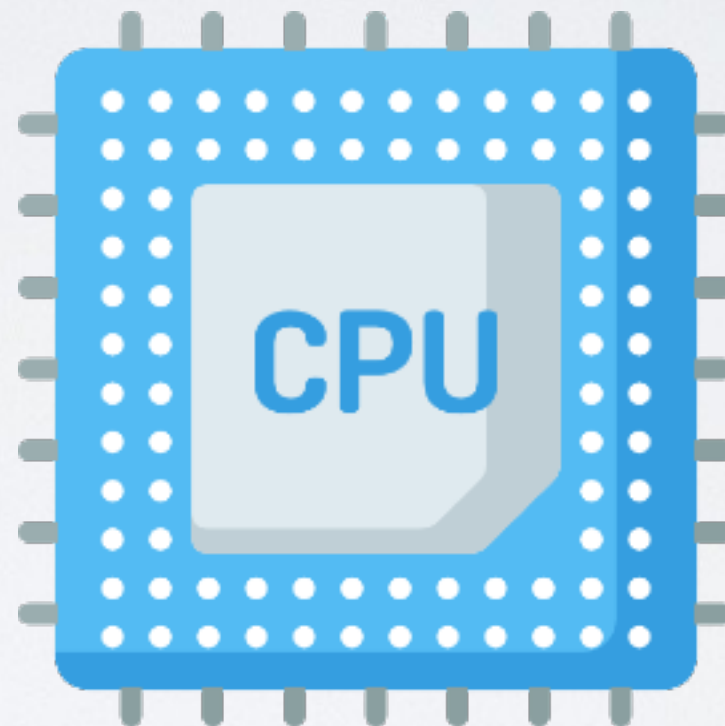
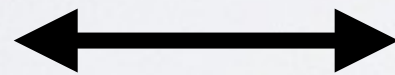
0x FF FF FF FF



I/O



RAM



Boot

0x 00 00 00 00

Simple Computer Architecture

Memory + CPU

for a more accurate and detailed map of the x86 memory
look at [https://wiki.osdev.org/Memory_Map_\(x86\)](https://wiki.osdev.org/Memory_Map_(x86))