Central Processing Unit

Assignment Rubric

Check Items

Description	Points	Comments	Grade
A video demonstration shows Alpine Linux booted in an x86_64 QEMU virtual machine.	10		
CPU model information is shown for the first x86_64 boot.	10		
A second CPU model is shown using a second x86_64 boot.	5		
A correct explanation of CPU flags is provided.	10		
A video demonstration shows Alpine Linux booted in an AArch64 QEMU virtual machine.	10		
CPU model information is shown for the first AArch64 boot.	10		
A second CPU model is shown using a second AArch64 boot.	5		
The differences between AArch64 CPU models are correctly explained, referencing the physical hardware emulated by QEMU (if applicable).	10		
A video demonstration shows a system running that has an architecture other than x86_64 or AArch64.	10		
The instruction set architecture for the other architecture is correctly identified.	10		
The other system being emulated is correctly identified as to whether or not it is a System-on-a-Chip.	10		

Don't Do These Things

Description	Points	Comments	Grade
The demonstration is given using screenshots instead of video.	-100		
The submitted video lacks audio narration.	-100		

Grade

Calculation Algorithm	Your Grade
max(sum of above grades, 0)	x

Remarks

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