

HW1

Due No due date

Points 1

Questions 8

Available Sep 16 at 12am - Sep 18 at 11:59pm 3 days

Time Limit 120 Minutes

Allowed Attempts Unlimited

This quiz was locked Sep 18 at 11:59pm.

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	3 minutes	1 out of 1
LATEST	Attempt 2	3 minutes	1 out of 1
	Attempt 1	8 minutes	0.8 out of 1

Score for this attempt: 1 out of 1
Submitted Sep 13 at 6:17pm
This attempt took 3 minutes.

Question 1

0.2 / 0.2 pts

Kernel to user mode transfer can be triggered due to ,

, , and .

Answer 1:

You Answered

Correct Answer

new processes

Answer 2:

You Answered

Correct Answer

Resume after an interrupt, processor exception, or system call

Answer 3:

switch to different process

Correct Answer

Switch to a different process

Answer 4:

User-level upcall

Correct!

Question 2

0.15 / 0.15 pts

At a minimum, the hardware must support Privileged Instructic ,
Memory Protection , and Timer Interrupts .

Answer 1:

Privileged Instructions

Answer 2:

Memory Protection

Answer 3:

Timer Interrupts

Question 3

0.05 / 0.05 pts

The interrupt handler is a kind of kernel thread.

☐ True

Correct!

☒ False

Question 4

0.1 / 0.1 pts

The data structure that stores all the information the operating system needs about a particular process is called (no abbreviation).

Answer 1:

Correct!

process control block

Question 5

0.15 / 0.15 pts

In mode, the processor checks each instruction before executing it to verify that it is permitted to be performed by that process. In mode, the operating systems executes with protection checks turned off. Together, this is called -mode operation.

Answer 1:

Correct!

user

Answer 2:

Correct!

kernel

Answer 3:

Correct! dual

Question 6

0.15 / 0.15 pts

The three roles an operating system plays include ,
 , and .

Answer 1:

Correct! referee

Answer 2:

Correct! illusionist

Answer 3:

Correct! glue

Question 7

0.1 / 0.1 pts

A operating system works on a queue of tasks. It runs a simple loop: load, run, and unload each job in turn.

Answer 1:

Correct! batch

Question 8

0.1 / 0.1 pts

Most operating systems allocate both a stack and

stack for interrupted processes.

Answer 1:

Answer 2:

Correct!

Correct!

Quiz Score: 1 out of 1

