10_Transactions

Due Mar 11 at 3pm	Points 9	Questions 9	Time Limit None	Allowed Attempts 7	
-------------------	----------	-------------	-----------------	--------------------	--

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 3	1 minute	9 out of 9
LATEST	Attempt 3	1 minute	9 out of 9
	Attempt 2	less than 1 minute	7 out of 9
	Attempt 1	2 minutes	6 out of 9

(!) Answers will be shown after your last attempt

Score for this attempt: 9 out of 9

Submitted Mar 18 at 8:19am

This attempt took 1 minute.

Question 1	1 / 1 pts
Question	.,. ры

Two transactions running at the same time can see each other's updates. What ACID property is violated?

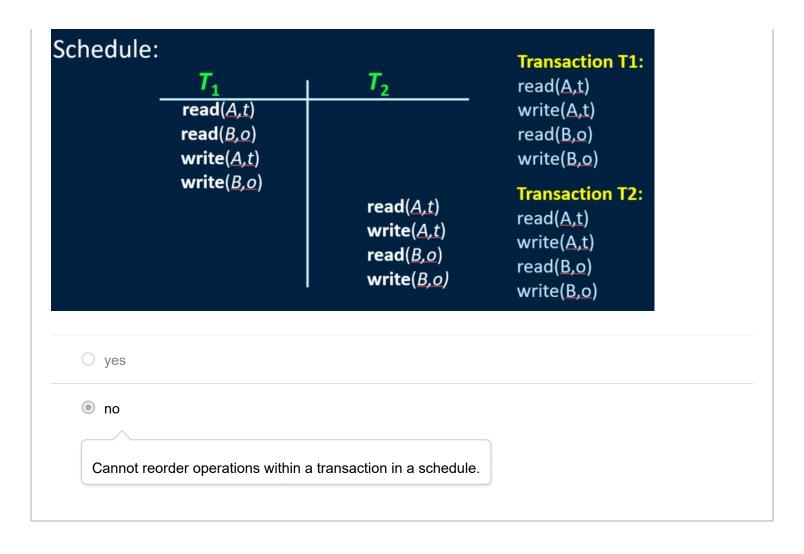
O atomicity	
Oconsistency	
isolation	
O durability	
O none of them	

Question 2	1 / 1 pts
A company stores a customer's address in the database. The customer moves at the company to update its database. What ACID property is violated?	nd does not tell
atomicity	
Consistency	
isolation	
O durability	
o none of them	

Even though the database is not consistent with the real-world, it is internally consistent.

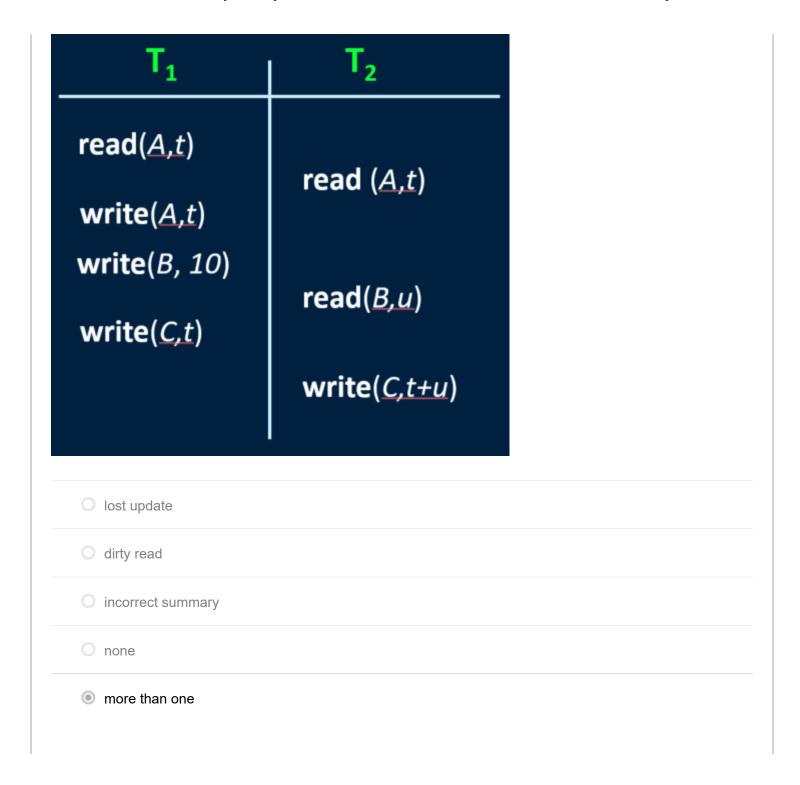
Question 3	1 / 1 pts
Is it possible for a transaction to be in the aborted and committed states at different its lifetime?	ent times during
O yes	
no	

Question 4 1/1 pts Is the schedule valid for the two transactions below?



Question 5 What consistency issue does this schedule have?

4 of 10 3/18/2022, 11:52 AM



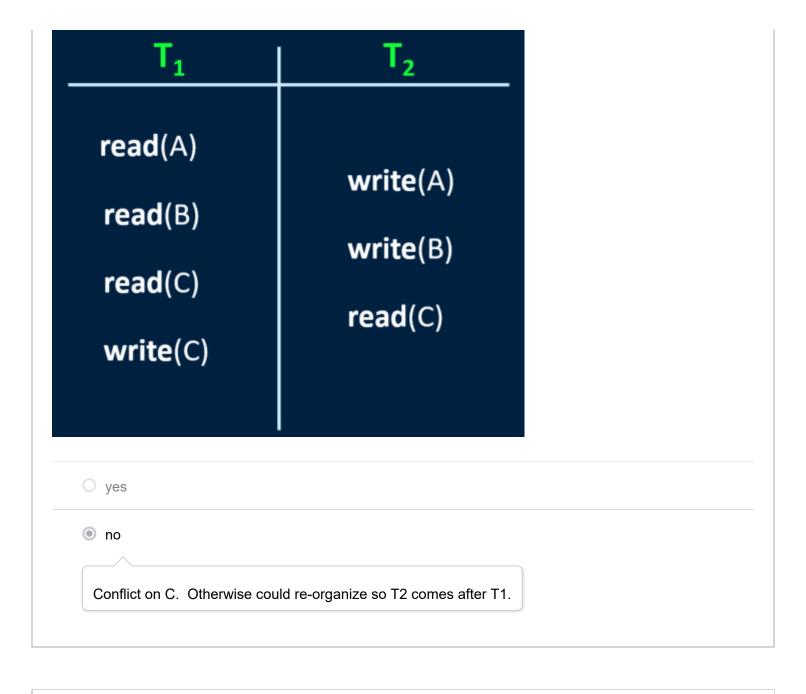
Lost update as T1 write on C is lost.

Incorrect summary as T2 computes sum with old value of A but updated valued of B from T1.

Dirty read (even though T1 did not abort) as T2 read a value that was not committed.

Question 6 1 / 1 pts

Is this schedule conflict serializable?



Question 7 1 / 1 pts

7 of 10 3/18/2022, 11:52 AM

ıle.	
iii) Every cascade-free schedule is also a strict schedule. iv) There are more recoverable schedules than cascade-free schedules.	

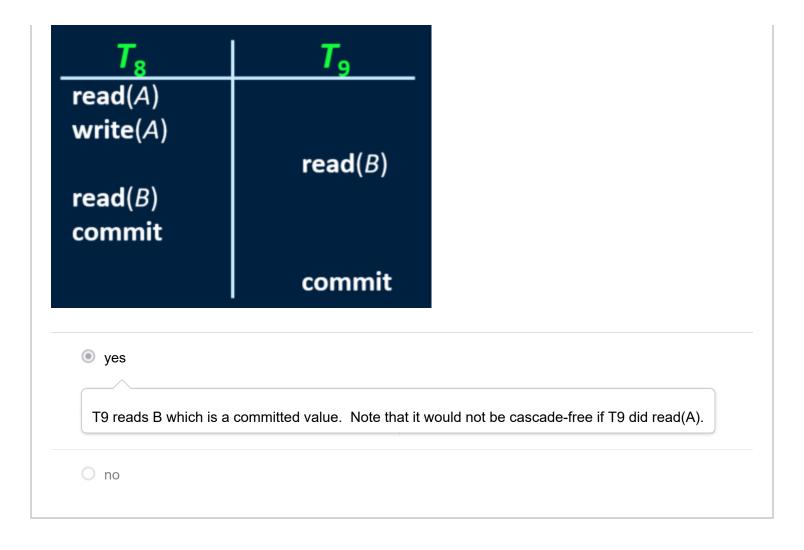
Question 8

Is this schedule recoverable?



Question 9

Is this schedule cascade-free?



Quiz Score: 9 out of 9