Quiz 9: Databases and REST API design

Due Nov 14 at 11:59pm **Points**

Points 10 Questions 10

Available Nov 8 at 5pm - Nov 14 at 11:59pm

Time Limit 15 Minutes

Instructions

This quiz covers both lectures 11 (databases) and 12 (REST). Please take the quiz only after watching both lectures - the total running time is about 1 hour 25 minutes for the videos.

This quiz was locked Nov 14 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	15 minutes	9 out of 10

Score for this quiz: **9** out of 10 Submitted Nov 13 at 11:19am This attempt took 15 minutes.

	Question 1 1/1 pts	
	Which of the following is NOT a typical feature found in traditional (i.e., relational) databases ?	
Correct!	Horizontal scaling	
	Adherence to a schema	
	Support for table joins	
	ACID semantics	

Question 2 1 / 1 pts

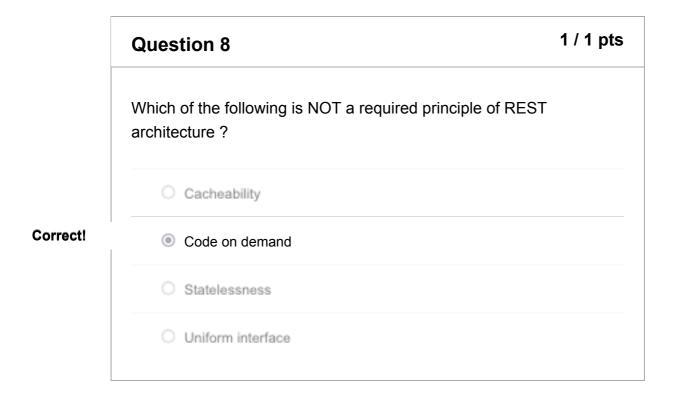
	In a relational database, when it is desired to link one table with another, which of the following methods is used?
	The common data is factored out into a separate table
Correct!	 A foreign key is used to index into the second table
	The record is duplicated in both tables
	O None of the others

	Question 3	/ 1 pts
	Which of the following is NOT a disadvantage of table joins of by traditional databases?	fered
u Answered	All of the others	
	O Performance	
	Failure Tolerance	
rrect Answer	O Programmability	

Question 4	1 / 1 pts
Which of the ACID properties involves at least 2 tran	sactions ?
O Durability	
O Atomicity	

Correct!	Isolation	
	Consistency	
	Question 5	ots
	In a database, consider a transaction that's aborted before it completes, but part of its state is written to the permanent record. Which of the following ACID properties is violated?	
Correct!	• Atomicity	
	Ourability	
	O Consistency	
	Olsolation	
	Question 6 1/1 p	ots
	According to the CAP theorem, a distributed database that needs provide partition tolerance cannot support which of the following?	to
Correct!	Both Consistency and Availability	
	O None	
	Consistency	
	Availability	

·	Question 7	1 / 1 pts
	A NoSQL database typically offers eventual consistency. So you perform a write to one copy of the data, the other copy updated	
	O Never	
	Within a bounded time	
	Right away	
Correct!	None of the others	



Question 9	1 / 1 pts
Which of the following HTTP requests is neither safe nor idempoter?	

	O PUT
	O DELETE
	○ GET
Correct!	POST

	Question 10 1 / 1 pts	
	When you have a collection that you want to support using a REST API, which of the following operations are typically used to add elements to the collection?	
	O GET	
	O DELETE	
	O PUT	
Correct!	POST	

Quiz Score: 9 out of 10