Time tal	Tuesday, 16 June 2020, 12:23 PM ken 22 mins 29 secs ade 10.7 out of 12.0 (89%) A session guarantee is a data consistency model ✓ that ensures to a specific user ✓ that as long as a session hasn't ended ✓ a certain property will be stable. That property is the consistency of read and write operations ✓ .
	A sua resposta está correta. The correct answer is: A session guarantee is a [data consistency model] that ensures to [a specific user] that as long as [a session hasn't ended] a certain property will be stable. That property is [the consistency of read and write operations].
	Response history Step Time Action State Marks 1 16/06/20, Started Not yet answered 2 16/06/20, Saved: {data consistency model} {a specific user} {a session hasnt ended} {the consistency of read and write operations} saved
Question 2 Correct Mark 1.0 out of 1.0	3 16/06/20, Attempt finished Correct 1.0 12:23 A computation (running an algorithm, calling a code module, etc.) is a good candidate to be offloaded from a mobile device to a surrogate machine if: Select one:
	 the mobile device CPU is slower that the surrogate machine CPU and the input data is on the mobile device. I do not want to answer (no penalty). the latency on the network between mobile device and surrogate is bigger than the throughput. the required code is on the chosen surrogate computer and the input data is small. both the required data and code are smaller than the surrogate machine memory. the time to transmit code, input and output data to the surrogate machine plus the estimated
	A sua resposta está correta. The correct answer is: the time to transmit code, input and output data to the surrogate machine plus the estimated computation time on the surrogate machine is smaller than the estimated local computation time.
	Response history Step Time Action State Marks 1 16/06/20, Started Not yet answered 2 16/06/20, Saved: the time to transmit code, input and output data to the Answer
	12:04 surrogate machine plus the estimated computation time on the surrogate machine is smaller than the estimated local computation time. 3 16/06/20, Attempt finished Correct 1.0
Correct Mark 1.0 out of 1.0	In the context of computational offloading, regarding the network latency and throughput between mobile device and candidate surrogate computers, pick the most correct of the following options: Select one: Only latency must be updated through periodic measurements (active measurement). I do not want to answer (no penalty) If a mobile device and a candidate surrogate have never exchanged data, throughput and latency cannot be estimated from passive measurements.
	 Current throughput can be determined from previous data transmissions (passive measurements). Latency is constant. It is important to measure the throughput regularly but the latency is irrelevant. A sua resposta está correta. The correct answer is: If a mobile device and a candidate surrogate have never exchanged data, throughput and latency cannot be estimated from passive measurements.
	Response history Step Time Action State Marks 1 16/06/20, Started Not yet answered
	2 16/06/20, Saved: If a mobile device and a candidate surrogate have never exchanged data, throughput and latency cannot be estimated from passive measurements. 3 16/06/20, Attempt finished Correct 1.0
Question 4 Correct Mark 1.0 out of 1.0	When designing an indoor location system for user privacy, is it better to have the emitters: Select one: On the user devices. It doesn't matter. Emitter location is irrelevant for privacy. On the infra-structure hardware (antennas on walls, ceilings, etc.) ✓
	A sua resposta está correta. The correct answer is: On the infra-structure hardware (antennas on walls, ceilings, etc.) Response history
	Step Time Action State Marks 1 16/06/20, Started Not yet answered 2 16/06/20, Saved: On the infra-structure hardware (antennas on walls, ceilings, etc.)
Question 5 Correct Mark 1.0 out of 1.0	3 16/06/20, Attempt finished Correct 1.0 12:23 The main disadvantages of signal strength fingerprinting as a location mechanism are: Select one: I do not want to answer (no penalty)
	 E. Both B and C F. Both A and D ✓ C. Fingerprinting requires personal biometric information that should never be public. B. The devices used to perform the mapping phase are specialized and expensive. A. The fingerprints change too easily when access points are added/removed/moved. D. It's cumbersome and expensive to scale the system to large spaces.
	A sua resposta está correta. The correct answer is: F. Both A and D Response history
	Step Time Action State Marks 1 16/06/20, 12:01 Started Not yet answered 2 16/06/20, 12:06 Saved: F. Both A and D Answer saved 3 16/06/20, 12:23 Attempt finished Correct 1.0
Question 6 Correct Mark 1.0 out of 1.0	In a system with session guarantees, so that the users may move to another server, the system must provide a consistency model between servers that ensures: Select one: I do not want to answer (no penalty) any consistency as long as servers exchange updates any consistency that is causal
	 eventual consistency ✓ strong consistency A sua resposta está correta. The correct answer is: eventual consistency
	Response history Step Time Action State Marks 1 16/06/20, 12:01 Started Not yet answered 2 16/06/20, 12:07 Saved: eventual consistency Answer saved
Question 7 Correct Mark 1.0 out of 1.0	2 16/06/20, 12:07 Saved: eventual consistency Answer saved 3 16/06/20, 12:23 Attempt finished Correct 1.0 In a system supporting session guarantees, read operations are described as a set of relevant writes. Relevant writes for a specific read operation R returning a data item DI are: Select one: All the writes previously performed on DI.
	 All the writes previously performed on DI. The write operations that don't corrupt this read operation. The write operations that had to be performed in order for R to return the value it returned. ✓ I do not want to answer (no penalty) A sua resposta está correta. The correct answer is: The write operations that had to be performed in order for R to return the value it
	Response history Step Time Action State Marks
	1 16/06/20, Started Not yet answered 2 16/06/20, Saved: The write operations that had to be performed in order for R to return the value it returned. 3 16/06/20, Attempt finished Correct 1.0
Question 8 Incorrect Mark -0.3 out of 1.0	How are the desired contents of the phone local cache in Wherestore determined? Select one: Using a set of ranks and a place transition graph. Using a set of ranks resulting from multiplying item priorities and filter probabilities. Using a set of filters adapted to the phone's location.
	 I do not wish to answer (no penalty). Using location prediction and a place transition graph. A sua resposta está incorreta. The correct answer is: Using a set of ranks and a place transition graph.
	Response history Step Time Action State Marks 1 16/06/20, Started Not yet answered 2 16/06/20, Saved: Using a set of ranks resulting from multiplying item Answer
Question 9 Correct Mark 1.0 out of	12:15 priorities and filter probabilities. saved 3 16/06/20, Attempt finished Incorrect -0.3 12:23 Power modelling is a technique (e.g. as in the powerscope system) for: Select one:
1.0 Question 10	 a. estimating the power consumption of a device by creating a profile of the energy cost of low level operations through measurement in lab conditions. b. estimating the power consumption of a low level device operation through measurement in lab conditions of the energy cost of low level operations. c. Modelling the poewr usage habits of users and creating a profile of how they use applications. d. I do not wish to answer (no penalty) e. estimating the power consumption of a device by recording a history of the average energy cost of
	high level applications. A sua resposta está correta. The correct answer is: estimating the power consumption of a device by creating a profile of the energy cost of low level operations through measurement in lab conditions.
	Response history Step Time Action State Marks 1 16/06/20, Started Not yet answered 2 16/06/20, Saved: estimating the power consumption of a device by creating Answer
	12:20 a profile of the energy cost of low level operations through measurement in lab conditions. 3 16/06/20, Attempt finished Correct 1.0 12:23 Marker base tracking of the scene in augmented reality is:
Correct Mark 1.0 out of 1.0	 Select one: a. based on special easily recognizable purpose images in the scene, better suited for indoor spaces and more computationally intensive than feature-based tracking b. based on special easily recognizable purpose images in the scene, better suited for large spaces and less computationally intensive than feature-based tracking c. based on special easily recognizable purpose images in the scene, suited for indoor spaces and less computationally intensive than feature-based tracking ✓
	 d. I do not wish to answer (no penalty) e. based on easily recognizable objects in the scene, suited for outdoor spaces and less computationally intensive than feature-based tracking A sua resposta está correta. The correct answer is: based on special easily recognizable purpose images in the scene, suited for indoor spaces and less computationally intensive than feature-based tracking
	Response history Step Time Action State Marks 1 16/06/20, Started Not yet answered
Question 11	2 16/06/20, Saved: based on special easily recognizable purpose images in the scene, suited for indoor spaces and less computationally intensive than feature-based tracking 3 16/06/20, Attempt finished Correct 1.0 The base VM in the cloudlets VM synthesis approach is:
Correct Mark 1.0 out of 1.0	 Select one: a. a working process VM that includes the OS and applications and is waiting to receive the data from the mobile device. b. a hibernated hardware VM container with applications and data and not requiring an OS. c. a working hardware VM that includes the operating system and applications that will run the relevant application as soon as the user requests it.
	 d. a working hardware VM that includes the operating system and will run the relevant application once scripts are run that install the application and copy relevant memory from the mobile device. ✓ e. I do not wish to answer (no penalty) A sua resposta está correta. The correct answer is: a working hardware VM that includes the operating system and will run the relevant application once scripts are run that install the application and copy relevant memory from the mobile device.
	Response history Step Time Action State Marks 1 16/06/20, Started Not yet answered
	2 16/06/20, Saved: a working hardware VM that includes the operating system 12:21 and will run the relevant application once scripts are run that saved install the application and copy relevant memory from the mobile device. 3 16/06/20, Attempt finished 12:23 Correct 1.0
Question 12 Correct Mark 1.0 out of 1.0	 Spacial K-anonimity is: Select one: a. the privacy guarantee provided by a k-tier spacial transformation for at least k users of a location based service. b. I do not wish to answer (no penalty) c. the guarantee provided by a spatial anonymization system will ensure that, for each one of the real
	 queries, k-1 dummy queries will be submitted to any location base service. d. the guarantee that a spatial anonymization system will ensure that user locations submitted to a location based service will be confused with the location at least k-1 other users. ✓ e. the guarantee that a spatial anonymization system will ensure that k user queries submitted to a location based service will be confused with at least k-1 other queries. A sua resposta está correta.
	The correct answer is: the guarantee that a spatial anonymization system will ensure that user locations submitted to a location based service will be confused with the location at least k-1 other users. Response history Step Time Action State Marks
	1 16/06/20, Started Not yet answered 2 16/06/20, Saved: the guarantee that a spatial anonymization system will ensure that user locations submitted to a location based service will be confused with the location at least k-1 other users. 3 16/06/20, Attempt finished Correct 1.0
First Exam - F	12:23 Part I Jump to