



Persistence & Networking Quiz (For Grades)



4/6 points earned (66%)

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Review the material and try again! You have 3 attempts
every 8 hours.

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points

1.

What is the definition of Persistent State? (Select 1 of the following.)

- ☐ Persistent State allows your app to remain in memory.
- ☐ Persistent State is a way to encourage users to use your app.
- ☐ Persistent State allows your apps to remain on screen the the user exits to the lock screen.
- ☒ Persistent State is data that can be restored after an app re-launches.



Correct Response



1 / 1
points

2.

What types can you store natively in UserDefaults? (Select all that apply.)

☐ **Feed & FeedObject**

Correct Response

Feed and FeedObject are not plist-compatible types. You could archive them to an NSData object, and store that, but then they would not be 'stored natively'. We stored them using NSKeyedArchiver.

☐ **NSString**

Correct Response

☐ **NSData**

Correct Response

☐ **NSDate**

Correct Response

☐ **NSArray**

Correct Response

☐ **UIImage**

Correct Response

Images are not natively plist-compatible.



1 / 1
points

3.

Where are the UserDefaults values stored? (Select 1 answer.)

☐ **In your app's bundle.**

- ☐ In the secure system keychain.
- ☐ In the system settings.
- ☒ In a file provided by the system.

Correct Response

- ☐ In a SQLite database.



0 / 1
points

4.

An NSURLSession is... (Select all that apply)

- ☐ An authenticated connection to a website.

Incorrect Response

An NSURLSession manages multiple network connections.

- ☒ A location of a network resource.

Correct Response

Use an NSURL to store the location of a network or file resource.

- ☒ An API for parsing URLs.

Correct Response

Use NSURL to parse parts of a URL.

- ☒ A context for multiple network requests.

Correct Response

- ☐ A connection to a server.

Incorrect Response

NSURLSession is a configurable context that manages multiple connections.



0 / 1
points

5.

For an object to be stored by NSKeyedArchiver it must... (Select all that apply)



Comply with the NSArchive protocol.



Correct Response

Close, except the name of the protocol is incorrect. It should be NSCoder.



Be a subclass of NSManagedObject.



Correct Response

NSManagedObject is covered under Core Data, which is a separate API.



Be a subclass of NSObject.



Correct Response

We had to make both Feed and FeedItem into subclasses of NSObject.



Comply with the NSCoder protocol.



Correct Response



Encode all of its properties when required.



Incorrect Response

You only have to encode or decode the properties of your object that you want to persist. It's entirely up to you.



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points

6.

To make sure a Core Data inverse relationship is consistent, you must... (Select all that apply)



Use a fetch request to find objects that are related to another object.



Correct Response

In the video we showed how to access objects using the relationship property of the Tag entity.



Create an inverse relationship connection in the Data Model.



Correct Response



Always set both sides of the inverse relationship in your code.



Correct Response

In the video we showed how Core Data automatically sets the opposite side of the inverse relationship when one object is assigned to the related property of another.



Never delete either entity in the relationship.



Correct Response

Core Data manages relationships through the entire lifecycle of an object, including when you delete it.



Create only a relationship that is one-to-one.



Correct Response

In the video we created a one-to-many relationship.



