

Feedback — Week 2 Quiz

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You submitted this quiz on **Mon 19 Jan 2015 6:10 PM IST**. You got a score of **10.00** out of **10.00**.

Question 1

Which two of the following statements capture the main purposes of the Service class?

Your Answer	Score	Explanation
<input type="checkbox"/> To manage concurrent access to shared databases.	✓ 0.25	
<input checked="" type="checkbox"/> To enable remote (inter-process) operations.	✓ 0.25	
<input checked="" type="checkbox"/> To support long-running, in the background operations.	✓ 0.25	
<input type="checkbox"/> To provide an application's user interface.	✓ 0.25	
Total	1.00 / 1.00	

Question 2

Ignoring the initial xml declaration, what is the outermost xml tag used in the AndroidManifest.xml file?

You entered:

manifest

Your Answer	Score	Explanation
manifest	<div>✓</div> 1.00	
Total	1.00 / 1.00	

Question 3

How would you specify a string called "exit_message" whose value is "Goodbye", within a strings.xml file?

Your Answer	Score	Explanation
<div><div><input checked="" type="radio"/></div><div><string name="exit_message">Goodbye</string></div></div>	<div>✓</div> 1.00	
<div><div><input type="radio"/></div><div><value android:id="string_name">text_string</value></div></div>		
<div><div><input type="radio"/></div><div><string> "Goodbye" </string></div></div>		
<div><div><input type="radio"/></div><div><string name="string_name">text_string</string></div></div>		
Total	1.00 / 1.00	

Question 4

(True or False) One of the main jobs of the Activity class is to support concurrent access to shared,

inter-application data.

Your Answer	Score	Explanation
<input type="radio"/> True		
<input checked="" type="radio"/> False	✓ 1.00	
Total	1.00 / 1.00	

Question 5

The example applications for this lecture contain Activities that call `setContentView()`, passing in a resource ID. Which one of the following statements correctly reflects what the `setContentView()` method does?

Your Answer	Score	Explanation
<input type="radio"/> It attaches button listeners to the code.		
<input checked="" type="radio"/> It processes the underlying resource file to create Java Objects corresponding to the elements specified in the resource file.	✓ 1.00	
<input type="radio"/> It validates the data type of the resource ID.		
<input type="radio"/> It inserts a package in the PackageManager's database.		
Total	1.00 / 1.00	

Question Explanation

The process of creating Java Objects corresponding to a resource is called "inflating."

Question 6

Suppose that your application has brought ActivityA into the foreground. The user then presses a

button shown by ActivityA, which causes ActivityB to be brought into the foreground, ready for user interaction. At this point, what was most likely the last lifecycle method called on ActivityA and on ActivityB?

Your Answer	Score	Explanation
<input type="radio"/> ActivityA.onDestroy() and ActivityB.onCreate().		
<input type="radio"/> ActivityA.onResume() and ActivityB.onDestroy().		
<input checked="" type="radio"/> ActivityA.onStop() and ActivityB.onResume().	✓ 1.00	
<input type="radio"/> ActivityA.onPause() and ActivityB.onRestart().		
Total	1.00 / 1.00	

Question 7

Suppose you write an Activity that edits some persistent user information such as the user's account name, but does not save it immediately. This important data must be saved before the application exits. In which lifecycle method should you normally save the data?

Your Answer	Score	Explanation
<input type="radio"/> onResume().		
<input checked="" type="radio"/> onPause().	✓ 1.00	
<input type="radio"/> onDestroy().		
<input type="radio"/> onStop().		
Total	1.00 / 1.00	

Question Explanation

Remember that onStop() and onDestroy() may not always be called.

Question 8

Suppose you attach an OnClickListener to a Button in your Activity. When will this Object's onClick() method be called?

Your Answer	Score	Explanation
<input type="radio"/> When the user hits the Back Key.		
<input type="radio"/> When the user hits the Home Key.		
<input checked="" type="radio"/> When the user presses and releases the Button in quick succession .	✓ 1.00	
<input type="radio"/> When the user presses and holds the Button.		
Total	1.00 / 1.00	

Question 9

One example of a configuration change, is when the user changes the device's global font size. If you want to handle this configuration change manually, what value would you add to a android:configChanges attribute in the application's AndroidManifest.xml file? See: <http://developer.android.com/guide/topics/manifest/activity-element.html> for more information.

You entered:

fontScale

Your Answer	Score	Explanation
fontScale	✓ 1.00	
Total	1.00 / 1.00	

Question 10

Unless you have a strong reason for doing so, you should generally avoid handling configuration changes manually. Which one of the following statements best explains why?

Your Answer	Score	Explanation
<input type="radio"/> It always takes more time to handle configuration changes manually.		
<input type="radio"/> Configuration changes are not thread safe.		
<input type="radio"/> System reconfiguration can be checked for correctness at compile time.		
<input checked="" type="radio"/> It can be difficult to know and capture each configuration change that might occur.	✓ 1.00	
Total	1.00 / 1.00	

Question Explanation

Despite this difficulty, you may still sometimes decide to handle configuration changes manually. For example, when your application doesn't need to update resources during a particular configuration change and when your application's performance would suffer from an activity restart.

