# Feedback — Week 2 Quiz

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You submitted this quiz on **Sun 24 May 2015 12:16 PM PDT**. 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 |
|---|---|---|---|
| ☑ To support long-running, in the background operations. | ✔ | 0.25 | |
| ☑ To enable remote (inter-process) operations. | ✔ | 0.25 | |
| ☐ To manage concurrent access to shared databases. | ✔ | 0.25 | |
| ☐ 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 | ✔ | 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 |
|---|---|---|---|
| ⦿ <string name="exit_message">Goodbye</string> | ✔ | 1.00 | |
| ◯ <value android:id="string_name">text_string</value> | | | |
| ◯ <string> "Goodbye" </string> | | | |
| ◯ <string name="string_name">text_string</string> | | | |
| 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 |
|---|---|---|---|
| ◯ True | | | |
| ⦿ 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 |
|---|---|---|---|
| ◯ It validates the data type of the resource ID. | | | |
| ⦿ It processes the underlying resource file to create Java | ✔ | 1.00 | |

Objects corresponding to the elements specified in the
resource file.

○ It attaches button listeners to the code.

○ It inserts a package in the PackageManger'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 |
|---|---|---|
| ○ ActivityA.onResume() and ActivityB.onDestroy(). | | |
| ○ ActivityA.onPause() and ActivityB.onRestart(). | | |
| ◉ ActivityA.onStop() and ActivityB.onResume(). | ✔ 1.00 | |
| ○ ActivityA.onDestroy() and ActivityB.onCreate(). | | |
| 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 |
|---|---|---|
| ◉ onPause(). | ✔ 1.00 | |

○ onResume().

○ onDestroy().

○ 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 |
|---|---|---|
| ○ When the user presses and holds the Button. | | |
| ● When the user presses and releases the Button in quick succession . | ✔ 1.00 | |
| ○ When the user hits the Home Key. | | |
| ○ When the user hits the Back Key. | | |
| 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 |
|---|---|---|
| ○ Configuration changes are not thread safe. | | |
| ○ System reconfiguration can be checked for correctness at compile time. | | |
| ○ It always takes more time to handle configuration changes manually. | | |
| ⦿ 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.