

Module 3 Quiz

Quiz, 10 questions

4
points

1.

Which of the following correctly describe what an intent is in Android (choose all that apply):

- ☐ A message that describes an action to perform or an event that has occurred
 - ☐ An event handler that responds to system-side broadcast announcements
 - ☐ A component that runs in the background to perform long-running operations or access remote resources
 - ☐ A message that provides a screen within which users can interact in order to do something
-

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points

2.

Which of the following correctly describe benefits that an intent provides to apps in Android (choose all that apply):

- ☐ An intent is the "glue" that helps integrate Android apps
 - ☐ An intent manages secure access to structured data
 - ☐ An intent defines the smallest unit of execution for sequences of programmed instructions
 - ☐ An intent simplifies app development since existing components can be reused as "black-boxes"
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points

3.

Which of the following correctly describe what is meant by an intent being a "passive" data structure (choose all that apply):

- ☐ An intent just consists of fields and field access/mutator methods
 - ☐ An intent cannot be used in a concurrent program
 - ☐ An intent only contains static getter/setter methods
 - ☐ An intent only contains public fields
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points

4.

Which of the following correctly describe what is meant by an intent enabling "late runtime binding" of apps to components (choose all that apply):

- ☐ App components can be discovered and used at compile-time vs. runtime
 - ☐ App components started by intents are slow to launch
 - ☐ App components started by intents must run in separate processes
 - ☐ App components can be discovered and used at runtime vs compile-time
-

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points

5.

Which of the following correctly describe the benefits of runtime discovery of app component (choose all that apply):

- ☐ It enhances the security and robustness of apps by disallowing trojan horses
 - ☐ It enables systematic reuse that creates apps from predefined software components
 - ☐ It enables apps with loosely-coupled components that can be extended and integrated dynamically
 - ☐ It ensures that developers know at compile-time which component implementations their app will use
-

8
points

6.

Which of the following are elements in an Android intent (choose all that apply):

- ☐ URL
 - ☐ Data
 - ☐ Name
 - ☐ Stack
 - ☐ Extras
 - ☐ Flags
 - ☐ Action
 - ☐ Service
-

4
points

7.

Which of the following statements are true for an "implicit" intent (choose all that apply):

- ☐ The category must not be specified
 - ☐ The action must not be specified
 - ☐ The name must not be specified
 - ☐ The data must not be specified
-

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points

8.

Which of the following are true statements about implicit and explicit intent (choose all that apply):

- ☐ Android delivers an implicit intent to a target component only if it matches one of its intent filters in the AndroidManifest.xml file

- ☐ Explicit intents are typically used to interact with components residing in other apps
 - ☐ Implicit intents are typically used to interact with components residing in other apps
 - ☐ Android delivers an explicit intent to a target component without consulting filters in the AndroidManifest.xml file
 - ☐ Implicit intents are used to "tightly couple" activity and broadcast receiver components
 - ☐ Explicit intents are particularly important when starting or binding to services
-

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points

9.

Which of the following elements must match during implicit intent filtering for an intent to be delivered to a target component (choose all that apply):

- ☐ Category
 - ☐ Extras
 - ☐ Data
 - ☐ Flags
 - ☐ Name
 - ☐ Action
-

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points

10.

Which of the following correctly describe what Android's IntentService does (choose all that apply):

- ☐ It expresses requests as intents & passes them between threads and/or processes
- ☐ It is an event handler that responds to system-side broadcast announcement
- ☐ It is a component that provides a screen within which users can interact in order to do something
- ☐ It's a framework that handles asynchronous requests on demand

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