Congratulations! You passed!
TO PASS 80% or higher

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Module 1 Quiz

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1. Which of the following are examples of hardware elements commonly found in Android devices (choose all that apply):

8 / 8 points

- [x] Random access memory
  - **Correct** from M1-L2-pt1
- [x] Central processing unit
  - **Correct** from M1-L2-pt1
- [ ] Broadcast Receiver
- [x] Accelerometer
  - **Correct** from M1-L2-pt1
- [ ] Intent
- [ ] Activity
- [x] Graphics processing unit
  - **Correct** from M1-L2-pt1
- [x] Wifi
  - **Correct** from M1-L2-pt1

2. Which of the following describe the purposes of the Android Linux kernel (choose all that apply):

6 / 6 points

- [x] Mediates access to--and sharing of--hardware resources
  - **Correct** from M1-L2-pt1
- [x] Optimizes GNU Linux to meet the needs of mobile devices and apps
  - **Correct** from M1-L2-pt1
- [x] Shields higher layers of Android from hardware diversity
  - **Correct** from M1-L2-pt1
- [ ] Shields OEMs from GNU Public License "virality"
- [ ] Provides reusable capabilities that extend hardware-centric OS kernel and protocol mechanisms
- [ ] A set of Java-based services that form the environment in which Android apps run and are managed

3. Which of the following are examples of layers and/or elements found in Android's middleware infrastructure (choose all that apply):

6 / 6 points

- [ ] Power Management

- [x] Android Run-Time (ART)

✓ **Correct**
from M1-L2-pt2

- [ ] Binder (IPC) Driver
- [x] Native C/C++ libraries

✓ **Correct**
from M1-L2-pt2

- [x] Hardware abstraction layer

✓ **Correct**
from M1-L2-pt2

- [ ] Activity Manager Service

4. Which of the following are examples of Android app components (choose all that apply): **6 / 6 points**

- [x] Content Providers

✓ **Correct**
from M1-L2-pt2

- [x] Activities

✓ **Correct**
from M1-L2-pt2

- [ ] Dalvik Virtual Machine
- [ ] Package Manager
- [x] Services

✓ **Correct**
from M1-L2-pt2

- [x] Broadcast Receivers

✓ **Correct**
from M1-L2-pt2

5. Which of the following are true statements about Java threads (choose all that apply) **6 / 6 points**

- [ ] Starting a Java thread is the only way to write a concurrent Android app
- [x] A Java thread must be given code to run when it is started

✓ **Correct**
from M1-L2-pt2

- [x] Each process can have multiple threads

✓ **Correct**
from M1-L2-pt2

- [x] A thread is the smallest unit of execution for sequences of programmed instructions

✓ **Correct**
from M1-L2-pt2

- [ ] Starting a thread takes a trivial amount of time and system resources
- [x] Every thread contains a call stack to keep track of method state

✓ **Correct**
from M1-L2-pt2

6. Which of the following are true statements about application **4 / 4 points**

frameworks in the context of Android (choose all that apply):

- [x] Android frameworks enhance systematic reuse by providing canonical structure and functionality to mobile apps

Correct
from M1-L2-pt3

- [ ] Android frameworks enable app component to dictate the flow of control in a program, rather than the frameworks themselves
- [x] Android frameworks use an event-driven programming model to plug app code into them

Correct
from M1-L2-pt3

- [x] Android frameworks provide an integrated set of components that provide a reusable architecture for a family of related mobile apps

Correct
from M1-L2-pt3

7. Which of the following are true statements about the Android Application Framework layer (choose all that apply): **4 / 4 points**

- [ ] It shields OEMs from GNU Public License "virality"
- [ ] It optimizes GNU Linux to meet the needs of mobile devices and apps
- [x] It contains system services that provide apps with the capabilities and info they need to do their work

Correct
from M1-L2-pt3

- [x] Its system services run continuously during system operation

Correct
from M1-L2-pt3

8. Which of the following are true statements about the Android apps (choose all that apply): **4 / 4 points**

- [x] It's possible to write portions of the apps in C/C++

Correct
from M1-L2-pt3

- [x] The bulk of these apps are written in Java

Correct
from M1-L2-pt3

- [ ] The bulk of these apps are written in C/C++
- [ ] These apps cannot be written in C/C++