


Course No: MIS 3310
 Course Title: Topics in Computer Information Systems 1 (Mobile Computing)
 Date: 26/03/2013
 No. of Questions: (3)
 Time: 1hours
 Using Calculator (No)

University of Palestine

 Midterm Exam
 2012/2013
 Total Grade: 30


Instructor Name: Dr. Said Marouf
 Student No.: _____
 Student Name: _____
 College Name: _____
 Dep. / Specialist: _____
 Using Dictionary (No)

Question One: 10 Points

Specify whether the following statements are true or false:

#	Statement	T/F
1	The Android source code is open source.	
2	In a <i>HashMap</i> , a key can be mapped to multiple values.	
3	A Java <i>List</i> allows duplicate values whereas a <i>Set</i> does not.	
4	Anonymous classes must have a clear and readable name.	
5	Android applications run within a Dalvik Virtual Machine	
6	Android Layouts can only be created using static XML files.	
7	The proper method for defining String values within an Android application is using the <i>strings.xml</i> file.	
8	<i>onClick</i> listeners can only be defined via anonymous classes.	
9	An <i>AlertDialog</i> and <i>Button</i> use the same type of <i>onClickListener</i> : <i>View.OnClickListener</i>	
10	The <i>id</i> of a <i>Button</i> is defined within the <i>strings.xml</i> file.	
11	<i>Log.d("database", "Invalid Table");</i> The <i>tag</i> value is "database" and the message is "Invalid table"	
12	All Android activities are a subclass of the class <i>Activity</i> .	
13	The method <i>findViewById</i> is used to reference a <i>View</i> that is defined within an XML layout file.	
14	All density levels (ldpi, mdpi, hdpi) of a <i>drawable</i> resource must be provided within an Android application.	
15	An <i>Activity</i> can directly move from a <i>destroyed</i> state to a <i>stopped</i> state	
16	When an <i>Activity</i> moves to the background, the <i>onStop()</i> method is called.	
17	Intents can either be Implicit or Explicit	
18	Explicit Intents can provide better performance than Implicit Intents	

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19	<pre>Intent myIntent = new Intent(android.content.Intent.ACTION_VIEW, Uri.parse("http://www.up.edu.ps"));</pre> <p>The intent <i>myIntent</i> is an explicit intent.</p>	
20	The <i>EditText setError("Message")</i> method shows an error message using an <i>AlertDialog</i> .	

Question Two: 10 Points

Write the necessary code to perform the following:

- Create a *Button* programmatically.
- Reference a *Button* that is defined within an XML layout. Assume the id of the button is "doneButton".
- Show a *Toast* with the message "Hello World".
- Set an *onClickListener* for a button named "myButton". Use the anonymous class method to do so.
- Print a debug log message with a tag "myTag" and a message "Hello".

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Question Three: 10 Points

Describe what the following code snippets do. *You must be specific and provide a clear answer.*

a)

```
Intent i = new Intent("com.mobileapps.ACTIVITYB");  
startActivity(i);
```

b)

```
Intent i = new Intent(getApplicationContext(), ActivityC.class);  
i.putExtra("name", "Bob Smith");
```

c)

```
EditText email = new EditText(this);  
email.setError("Email Address Required");
```

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d)

```
final CharSequence[] itms = {"Red", "Green"};

AlertDialog.Builder builder2 = new AlertDialog.Builder(this);
builder2.setTitle("Pick a color")
.setSingleChoiceItems(itms, 0, new DialogInterface.OnClickListener() {
    public void onClick(DialogInterface dialog, int which) {
        Log.d(tag, itms[which] + "");
    }
});
```

End of Questions
Good Luck