

Course No: MIS 3310
Course Title: Topics in Computer Information Systems 1 (Mobile Computing)
Date: 13/11/2013
No. of Questions: (3)
Time: 1hours
Using Calculator (No)

University of Palestine

Midterm Exam
Fall 2013/2014
Total Grade: 30

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

Question One: 14 Points

Specify whether the following statements are true or false:

#	Statement	T/F
1	Anonymous classes must have a clear and readable name.	
2	A Java <i>List</i> allows duplicate values whereas a <i>Set</i> does not.	
3	Android applications run within a Dalvik Virtual Machine	
4	The <i>id</i> of a <i>Button</i> is defined within the <i>strings.xml</i> file.	
5	Android Layouts can only be created using static XML files.	
6	All density levels (ldpi, mdpi, hdpi) of a <i>drawable</i> resource must be provided within an Android application.	
7	<i>onClick</i> listeners can only be defined via anonymous classes.	
8	Long operations should always be performed on a background thread.	
9	<code>Log.d("database", "Hello");</code> The <i>tag</i> value is "Hello" and the message is "database"	
10	The method <i>findViewById</i> is used to reference a <i>View</i> that is defined within an XML layout file.	
11	In a <i>HashMap</i> , a key can be mapped to multiple values.	
12	Android UI components can be safely manipulated from a background thread.	
13	The proper method for defining String values within an Android application is using the <i>strings.xml</i> file.	
14	The method <i>startActivity</i> allows us to receive data from other Intents.	

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Question Three: 8 Points

Describe what the following code snippets do. *You must be specific and provide a clear answer for each line of code. You can also illustrate your answer with drawings if suitable.*

a)

```
handler.postDelayed(new Runnable() {  
    public void run() {  
        Log.d("tag", "Welcome");  
    }  
}, 8000);
```

b)

```
final CharSequence[] itms = {"Blue", "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] + "");  
    }  
});
```

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c)

```
EditText email = (EditText)findViewById(R.id.editText1);  
if(android.util.Patterns.EMAIL_ADDRESS.matcher(email.getText().  
    toString()).matches()) {  
    Log.d("tag", "Passed Verification");  
}
```

End of Questions
Good Luck