

Course No: MIS 3310
Course Title: Topics in Computer Information Systems 1 (Mobile Computing)
Date: 21/09/2014
No. of Questions: (4)
Time: 2 hours
Using Calculator (No)

University of Palestine

Final Exam
Summer 2013/2014
Total Grade: 50

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

Question One: (10 Points)

Specify whether the following statements are True or False:

Statement	T/F
It is not safe to access UI components via background threads.	
Java arrays have dynamic sizes.	
Within an Activity life cycle, the onStart() method is called after the onCreate() method.	
Creating too many threads might cause resource congestion. Thread pools fix this issue.	
When invoking the method setSingleChoiceItems on an AlertDialog builder, you are not able to specify a default selected item.	
It is recommended to perform long networking operations on the UI thread.	
The Android system will warn users when the main thread of an application is blocked for at least 5 seconds.	
The onProgressUpdate() method of AsyncTask is performed on a background thread.	
AsyncTask classes should specify the Input , Progress , and Return types	
String resources should be defined within the strings.xml file.	

Question Two: (24 Points)

Write the code necessary to perform the following tasks. Note: Do not write full application code. Only the specific part of code related to the task requested.

- a) (4 Points) Open an activity of class type ActivityX using an explicit Intent. You should write the code for creating the Intent and opening the activity.

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- b) **(4 Points)** Define a string resource that has a name of “signin_button” and a value of “Sign In”. *Hint: This should be written in XML*
- c) **(6 Points)** Create a button programmatically. Set an **onClickListener** for this button. When a user clicks this button, a log message should be printed that says “Hello World”.

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- d) [10 Points] Write a class named **UpdatePost** which extends the **AsyncTask** class. The Input type for the **AsyncTask** is a **String**. The Progress type is an **Integer**, and the Result type is a **Boolean**. Show all your code and make sure to override all the methods of **AsyncTask** properly. The body of each message should be empty.

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d) (4 Points) Explain briefly how you can enhance the performance of a **ListView**

End of Questions
Good Luck