

CPET 565 Mobile Computing Systems
CPET 499 Mobile Computing & Applications
Lab 2
Understanding Android Activities

Assigned date: 9/8/2014

- Lab 2 (Individual Assignment, but team discussion is welcome if needed)
- Deliverables: Lab 2 Report (Microsoft Word file format, name it as cpet565-499-Lab2.docx) and Zipped version of the Lab2 Android Project

Due date: 9/15/2014, before 3:30 PM

References

1. Text Book 1: *Android Application Development – Sams Teach Yourself in 24 hours*, 3rd Edition, by Carmen Delessio, Lauren Darcey, and Shane Conder, published by Sams, <http://www.informit.com/store/android-application-development-in-24-hours-sams-teach-9780672334443>
2. Text Book 2: *The Android Developer’s Cook Book*, 2nd Edition, by Ronan Schwarz, et. al., published by Addison Wesley.

Reading Assignment: (No Turn-in Required)

- Read Chapter 2 Application Basics: Activities and Intents, pp. 21-50, Text Book 2, *The Android Developer’s Cook Book*.
- Read XML Technology and Standards (link posted in the 9/8 Lecture activities, as needed)
- Read Android Activity, <http://developer.android.com/reference/android/app/Activity.html>

Objectives:

1. Learn to Eclipse-based Android Development platform (or other Integrated Development Environment of your choice: Android Studio)
2. Learn Android Activity
3. Build your second Application for Android-based Smartphone

Lab Activity:

- Study the “Hour 2: Understanding an Android Activity”, pages 19-42 of the text book, Reference [1].
- Study the Android Activity Class, <http://developer.android.com/reference/android/app/Activity.html>
- Create and Run the “Exercise: Starting One Activity from Another,” listed from pp. 20-28. (No turn-in required)
- Create and Run the “Exercise: Passing Information Between Activities,” listed from pp. 28-34.
- Submit a lab report (name it cpet565-499-Lab2-YourName.docx) that includes the following section: (see the following guideline for your reference, <http://www.etcs.ipfw.edu/~lin/InfoForAllCourses/laboratoryreport.htm>)

**** Objectives**

- ** Computer Equipment and Software Used**
- ** Procedure(with Code)**
- ** Data (Screen shots, results)**
- ** Conclusion**

Submit your (A) electronics copy of Lab report 2 , (B) the whole project file for the Lab 2 (in Zip file format) – due September 15, 2014, before 3:30 PM