

CPET 565 Mobile Computing Systems
CPET 499 Mobile Computing & Applications
Lab 5
Accessing the Cloud: Working with a Remote API

Assigned date: 10/15/2014

- Lab 5 (Individual Assignment, but team discussion is welcome if needed)
- Deliverables: Lab 5 Report (Microsoft Word file format, name it as cpet565-499-Lab5_YourName.docx) and Zipped version of the Lab5-Hour12 Android Projects files

Due date: 10/22/2014, 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.

Objectives: After the lab, you will learn

1. How to fetch remote data
2. How to parse JSON-formatted data
3. How to put the pieces together to create a simple app
4. How to check the online connection

Lab Activity:

1. Study the Hour 12 Examples: “Accessing the Cloud: Working with a Remote API” from pp. 189-203.
2. Create and run code examples in Hour 12, name this project “Lab5-hour12”.
3. Submit a lab report (name it cpet565-499-Lab5-YourName.docx) that includes the following section, plus the needed project files, <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 5 , (B) plus the Andorid project files for the Lab 5 (in Zip file format) – due Oct. 22, 2014, Wednesday, before 3:30 PM