CPET 565 Mobile Computing Systems
CPET 499 Mobile Computing & Applications
Lab 4
Using Layouts and Working with Basic User Interface

Assigned date: 9/23/2014
- **Lab 4 (Individual Assignment, but team discussion is welcome if needed)**
- **Deliverables: Lab 4 Report (Microsoft Word file format, name it as cpet565-499-Lab4.docx) and Zipped version of the Lab4-Hour5 and Lab4-Hour6 Android Projects files**

Due date: 10/2/2014, 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. **Using different types of layouts**
2. **Using TextView, EditTexts, and Buttons**
3. **Creating controls with adapters**
4. **Indicating progress with ProgressBars**
5. **Showing an image with an ImageView**

Lab Activity:
1. **Read Hour 4 Examples: "Supporting Tablets, TVs and more" from pp. 59-75 (no turn-in is required).**
2. **Study code examples in Hour 5: Using Layout, then create an Android project for the Hour 5 - Exercises 1 (page 93). Name this project "Lab4-hour5".**
3. **Study code examples in Hour 6: Working with Basic User Interface, then create an Android project for the Hour 6's Exercise on page 112. Name this project "Lab4-hour6".**
4. **Submit a lab report (name it cpet565-499-Lab4-YourName.docx) that includes the following section, plus two project files Lab4-Hour5 and Lab4-Hour6: (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 4 , (B) plus two Andorid project files for the Lab 4 (in Zip file format) – due Oct. 2, 2014, Thursday, before 3:30 PM