

**CPET 565 CPET 499/ITC 499 Mobile Computing Systems
Final Project Report, Presentation & Demo Guideline**

Project Assignment on 3/25/2017:

- **Proposal due – April 6, 2017**
- **1st Progress Report /Briefing and discussion – April 25, before 12:00 noon**
 - **Progress report (format)**
 - **Project Title, Name**
 - **Summary**
 - **Problems and Corrections**
 - **Status of the Project (percentage completion)**
 - **Supporting information**
 - **System block diagram**
 - **User Interface (diagram)**
 - **Major classes (methods and attributes or variables)**
 - **Some screen shots**
- **Final Project Report, Presentation and Demos (all students are required to present their project in person), May 2 12:00 Noon-3 PM**

Each project team will use the guidelines as shown below to prepare your Mobile App Project, Project Report, Demo, and Presentation.

- 1) Design your top level functions for the App, which should include
 - a. Top-level Activity and UI; and possibly multiple activities and/or threads
 - b. Other needed data and views
 - c. Device hardware
- 2) Design the User Interface Screen for your Mobile App (Visio drawing).
- 3) Design the State Chart/Diagram to show the life cycle of the App (UML State diagram)
- 4) Design Java Class/Objects for the App (UML Class diagram)
- 5) Code and test the Mobile App
- 6) Prepare the final report and PPT files
- 7) Make presentation, and demo and Submit
 - a. Final report
 - b. PPT slide and
 - c. All the Android project files

The final report should include all sections (1) to (8)

- 1) Executive Summary
- 2) Problem Statement
- 3) Proposed Solution
- 4) Mobile App Hardware and Software Requirements
- 5) Mobile App Software Design (use information listed from guideline 1 to 6)
- 6) Mobile App Software Testing
- 7) Mobile App Software Demo and Report
- 8) Summary and Conclusion

Submit the following required files, May 1 (Monday)

- Final project report
- Final presentation slide (PPT file)
- Your Android project file (in zip)