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CIS470 – Fall 2015 – Messages

Syllabus. [Click here for a printable \(pdf\) version of the syllabus](#)

XML Sample1. [Click here for a zipped file containing XML sample1 files](#)

XML Sample2. [Click here for a zipped file containing XML sample2 files](#)

Schedule-Talks. [Click here for the FALL 2015 schedule \(Independent Research Projects - Monday Dec 7\)](#)

Grades. [Click here for FALL 2015 grades](#)



Download Lecture Notes:

Developing Mobile Applications for the Android Operating System [*work in progress...*]
by Victor Matos. 2015

Slides: [Link to individual Lessons and Handouts](#)

Code: [Link to individual Code Samples](#)

Project Images: [ZIP file containing royalty free pictures downloaded from https://pixabay.com](#)

Miscellaneous. [Click here for additional notes and files](#)

How to submit your Homework

Copy/paste/print your *nicely documented* Java code, XML layouts, resource files, and Console output into a single MS-Word file (or equivalent). Save it as .pdf (Acrobat format). Bring the printout to your professor. Save a copy of the document (and programming resources) for your final portfolio. Please use the following format to organize your reports

1. **Header.** Consists of
 - a. Author name - School number
 - b. Project # - Date
2. **App Description (WHAT).** This is an executive summary targeting the end-users of this application. The section explains *what the app does*. Keep in mind that at this point your reader is NOT a programmer but instead a paid customer who bought your app and wants a clear description of what it does and how to work with it.
3. **Technical Description (HOW).** The reader of this section is a fellow software developer. Explain here *how your app works*. Keep in mind the reader needs specific guidance into the app so he/she could maintain/enhance your solution.
4. **Java Code.** Paste a neatly formatted image of your Java code. Each non-trivial method should be documented. Pay attention to formatting standards: indentation, line wrapping, variable naming, etc.
5. **Resources.** Include each XML layout used by the app. Include any entries you have made into the *res/values/strings* folder. If modified, also add your app's Manifest.

6. **Screenshots.** Use the Android-Device-Monitor tool to take pictures of your working app. Add meaningful images illustrating the way your app operates and interacts with the user.
7. **What did I learn?** Explain what have you personally acquire from this learning experience.
8. **References.** List all sources used in the preparation of your project. Give credits to all sources consulted (notes, books, blogs, websites, etc.) For a guide on 'how to' format references, please consult the following:

Penn State University Libraries. CSE Quick Citation Guide. [Cited Sept. 28, 2015] Available from:
http://www.libraries.psu.edu/psul/researchguides/citationstyles/CSE_citation.html#online-examples

Current Assignments

Homework1. [Basic UI Design. Implementing a simple Flashlight application.](#) (Due Mo. Sep-21)

Homework2. [Simple Widgets. Implementing a Mexican Taco Ordering Android App.](#) (Due Mon. Sep-28)

Homework3. [Using Lists & Custom Adapters. Android Cooking eBook App.](#) (Due Oct-15)

Homework4. [Multithreading and Synchronization. The Cookie Monsters Game.](#) (Due Nov-4).

Homework5. [RSS Feeds – Cooking Recipes.](#) (Due Nov-26)

Homework6. ~~[Intents – Using Built-In Actions – City Tour.](#)~~ (Due Nov-26)

Homework7. ~~[Geo-Location – Building a Golf Rangefinder.](#)~~ (TBA)

Independent Project. [Get started now.](#) Any interesting/challenging idea is welcome. Please, discuss project with your instructor to get it approved.

Genymotion Emulator Instructions on how to install Genymotion emulator including the Google Play Service app. [LINK](#)