

CSC 372/472 Mobile Application Development for Android

Programming Assignment 6 A List View App

Due Date

- Assignment due on Wednesday November 4, 2015, 11:59pm
- Submit your assignment in D2L
- Submit a single zip file that contains the contents of the project folder. Only ZIP format will be accepted.
- You must use a unique prefix for the project name. (I suggest you use your last name and first initial as your prefix.) **Please use the same prefix for all your assignments.**
- Do not include unused or unrelated files.
- Before you submit, build and run the project, make sure everything compiles and works. Close your project before zipping the folder.
- Here are the most common reasons assignments are marked down:
 - Project does not build.
 - Project does not build without warnings.
 - One or more items in the Requirements section were not satisfied.
 - A fundamental concept was not understood.
 - Code is sloppy and hard to read (e.g. indentation is not consistent, etc.).
 - Your solution is difficult (or impossible) for someone reading the code to understand due to lack of comments, poor variable/method names, poor solution structure, etc.
- Bonus points.
 - Bonus points may be awarded to projects with *exceptional* qualities in one or more aspects.
 - Bonus points will only be awarded after all the required elements have been satisfied.
 - Bonus points will not be awarded merely for extra amount of work (or code).
 - Bonus points are awarded at the sole discretion of the instructor.

Goals

- Building a list app with a master list and at least one level of detail view.
- Using List Activity and a customized adapter
- Exploring Android documentation of various classes used in this assignment

Requirements

1. Create a master-detail app that presents information of your interest in the form of a list. The subject of the list is your choice. There are many possibilities, e.g., top restaurants in Chicago (http://www.tripadvisor.com/Restaurants-g35805-Chicago_Illinois.html), information about the countries in the Europe Union (http://europa.eu/index_en.htm), *etc.* The master list should contain at least a dozen or more items.
2. The app starts with a master list, which is a *List View*. When an item in the master list is touched, a detail view of the selected item will be presented. One level of details is required, but you may have more.
3. You should design your app to present the information in a clear and effective manner.
 - a. You should customize the row layout in the master list, and use a customized and efficient list adapter.
 - b. Present a well-designed detail view.
 - c. Use images in either the master list (in the row layout) or the detail view.
4. Be creative.
5. Make sure your program
 - a. builds without errors or warnings, and
 - b. runs without crashing.