

## Overview

This is the assignment for unit III. It is worth 10 points, or 10% of your term grade. There are two parts: a written part (4 points) and a programming part (6 points). Both parts are due on APRIL 4 by 11:59pm.

## Part 1. Written component

0. Read the two chapters on understanding users that are in the Coursepack:
  - Designing Interfaces, by Jenifer Tidwell, *Ch 1, What users do.*
  - Leonardo's Laptop: Human needs and the new computing technologies, by Ben Shneiderman, *Ch 5, Understanding human activities and relationships*
1. (4 points) Create an Activities and Relationships Table (ART) for a domain of your choice. You CANNOT use the photo sharing example from the Shneiderman book chapter! You will probably find it hard to fill in all 16 cells in the ART, but you need to fill in at least 4 cells. Make sure that you define specific tasks and/or applications for at least one activity (collect, relate, create, donate) for each relationship (self, family/friends, colleagues/neighbors/ citizens/markets); and at least one relationship for each activity. (In other words, every row should have at least one entry, and every column should have at least one entry.)

## Part 2. Programming component

This part of the assignment builds on **labIII.1** and **labIII.2**. Your job is to create a customized application for handling lists of things.

- 0 Start by going through the **Notepad Tutorial** on the Android Developers site:

<http://developer.android.com/resources/tutorials/notepad/index.html>

There are 3 parts to this tutorial. The first 2 are the most relevant to this assignment. **It will take at least a couple of hours to complete these tutorials—SO DON'T WAIT TILL THE LAST MINUTE!!!**

1. (6 points total) Create a customized application for handling lists of things, by modifying the application that is completed in the second Notepad tutorial (above). Your customization should do the following:
  - (a) Change the *title* of the application to something relevant, like "Shopping List". (1 point)
  - (b) Change the *layout* of the note editing page. (2 points)
  - (c) Change the *labels* of the menu items for both the activity menu (change "Add Note") and the context menu (change "Delete Note"). (2 points)
  - (d) Change the *colors* of multiple elements in the display. (1 point)

**Be creative!!**

## Submission

- The answers to the WRITTEN COMPONENT should be contained in a PDF file.
- The PROGRAMMING COMPONENT should be submitted by zipping the folder in which your Eclipse project resides.
- Then zip together the PDF file and the zip file containing your programming component into one zip file containing the whole assignment.
- Submit your assignment electronically, using the submission page linked on the class web page.