Labtest 1

Version A

Weight: 10%
Time: **90min**
Type: individual, open-book

NOTE: *This is an individual work. Any attempt to communicate with other students or people outside, including but not limited to email, file exchange, verbal communication, will be considered as an attempt to cheat and punished according to the college policies.*

Instructions

1. Download file MyContent.java from BlackBoard
2. Create a new project with the following parameters:
    a. Name: Labtest1
    b. Package: ca.georgebrown.comp2074.lab1
    c. Type: Phone/Tablet
    d. MinSDK: 16
    e. Template: Empty Activity (use a default name: MainActivity)

3. Add file MyContent.java to your project. This file will be a mockup for storage in your application.
4. Using a activity_main.xml layout design a form that will allow user to enter data required to create an Element (content and details) and a button Save. Center elements, make equal margins between elements of the form.
5. Create a new activity using Empty Activity template and name it ListingActivity
6. Turn ListingActivity into a ListActivity that will show elements of the MyContent.ITEMS ArrayList.
7. Create an adapter and an item layout appropriate to show the content (shorter field) of the class MyContent.Element in the list
8. The button Save should perform two actions:
    a. Add a new element to the MyContent.ITEMS using methods that are provided by the class MyContent.
    b. start a new activity ListingActivity.

9. ListingActivity should show content of MyContent.ITEMS
10. Tap on the element should remove the selected element from the ArrayList MyContent.ITEMS using methods provided in the MyContent class and refresh the list.

Submission

Export ZIP using File/Export to ZIP FIle option from Android studio.
Name the ZIP file labtest1_YOUR_NAME.zip
 and submit ZIP exported this way on BlackBoard before the end of the class.

Late submissions will not be accepted!

Marking scheme

Each element below can receive 0 or 1 point.

Project creation and configuration:	1 point
Form design (constraints):	1 point
Button implementation:	1 point
Starting new activity:	1 point
ListingActivity implementation	1 point
Adapter implementation:	1 point
List item layout:	1 point
Adding item:	1 point
Removing item:	1 point
Proper usage of MyContent.java	1 point
Total:	**10 points**