

## CSE 437 Lab Assignment 5: Handling Files

### Introduction

Android uses a file system that's similar to disk-based file systems on other platforms. A File object works well for reading or writing large amounts of data in start-to-finish order without skipping around. The exact location of where your files can be saved might vary across devices, so you should use the methods and recommendations described on the Android Developer's page <https://developer.android.com/training/data-storage/files.html> to access internal and external storage paths instead of using absolute file paths.

### Instructions:

*Develop an application for the CHEP program that allows users to check the current programs in the CHEP and display the list of courses in each program.*

*The list of the programs and courses should be stored in a text file and saved in your project workspace. The application should read this file upon start and then use the contents to display the required lists upon request.*

*Use the following link to create the contents of this file:*

<https://eng.asu.edu.eg/CurrentPrograms>

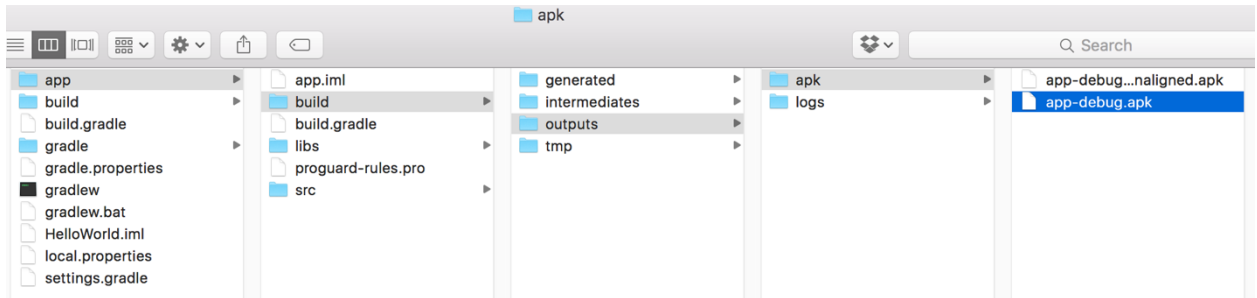
*The application consists of 3 activities.*

- 1- *The first activity displays the logo of the CHEP and the list of programs (as a listview).*
- 2- *When a user selects a program, the second activity appears and displays the CHEP logo, title of the program (highlighted) and the list of courses in that program – as shown in the given screenshot.*
- 3- *The third activity should appear when the user clicks on the CHEP logo in any one of the first two activities. The contents of the third activity should be a short overview.*
  - *Here is an example:*  
<https://eng.asu.edu.eg/CHEPOverview>



## Submission Instructions

1. Open a “Windows Explorer” window (Finder on Mac) and navigate to the project source code location



2. Copy the app-debug.apk file to your desktop. Rename the file to <lastname\_firstname\_lab05.apk> and send it to [pete.ragheb@gmail.com](mailto:pete.ragheb@gmail.com) with the subject line: CSE437\_Lab5
3. Print a hard copy of the activity\_main.xml files and the java file(s). Write your name and class number on the paper and submit it to the lab instructor.
4. Demonstrate your app on a real device and show it to the lab instructor during the lab time for marking and feedback.
5. Keep a copy of the project workspace for your record. The lab instructor might ask you to submit it during the marking process.