

Lab 2 – A multi-screen application

CS235AM, Intermediate Mobile Application Development: Android

This lab will give you practice creating a multi-screen application. These are the main concepts you will apply:

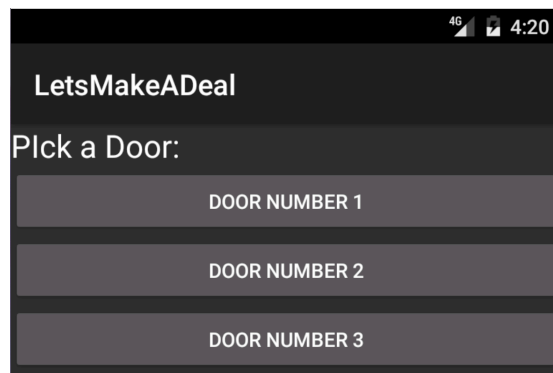
- Starting a new activity using an Intent object
- Sending information from one activity to another using an Intent object
- Using activity life-cycle call-back methods: onCreate and onResume
- Using an ActionBar with “up” navigation to return to a “parent” activity

Part 1 – Tutorial: Hello Multiscreen Apps

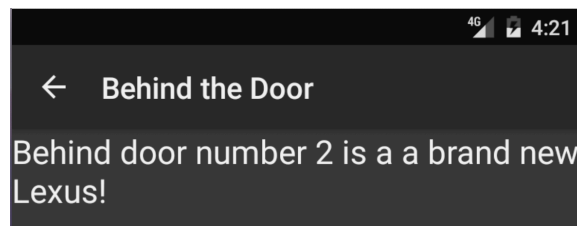
Complete the tutorial, “Hello Multiscreen Apps”, which was also the required reading this week.

Part 2 – Group C – Let’s Make a Deal

1. Add code to the default MainActivity
 - Add a button with the text “Door Number 1”
 - In the event handler, send an intent to Activity2 with an int value set to 1.
 - Add a button with the text “Door Number 2”
 - In the event handler, send an intent to Activity2 with an int value set to 2.
 - Add a button with the text “Door Number 3”
 - In the event handler, send an intent to Activity2 with an int value set to 3.



2. Add a second Activity
 - Add an ActionBar with an “up” button.
 - Add a TextView with the text: “Behind door number ___ is a:” using the number from the intent in place of the blank
 - Generate a random number between 1 and 3
 - Based on the random number append the text: “brand new Prius”, “goat”, or “skunk” in the TextView. (You can also make up your own prizes.)



Submission to Moodle

Beta Version

Post the following to the Beta + Code Review Forum:

- 1) For part 1: A document containing screen-shots of the app with each screen-shot labeled. (Please use .docx or .pdf format.)
- 2) For part 2: A zip file containing your app's Visual Studio solution folder. (Make your solution smaller by deleting the *obj* and *bin* folders.)
Or, optionally, a link to a repository containing your solution source code. You can put the link on the same document with the report on your exercise from part 1.
- 3) A copy of your lab instructions (so the lab partner who reviews your work will know what your requirements were).

Production Version

1. Items 1 and 2 above, but revised as needed.
2. The code review of your work (the one done by your lab partner) with the second column ("Release") completed by you.