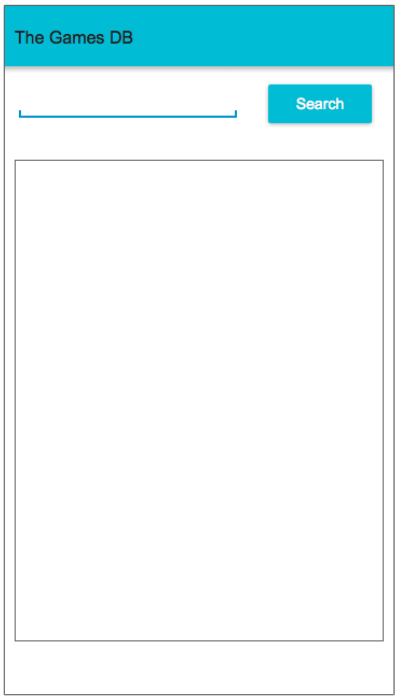
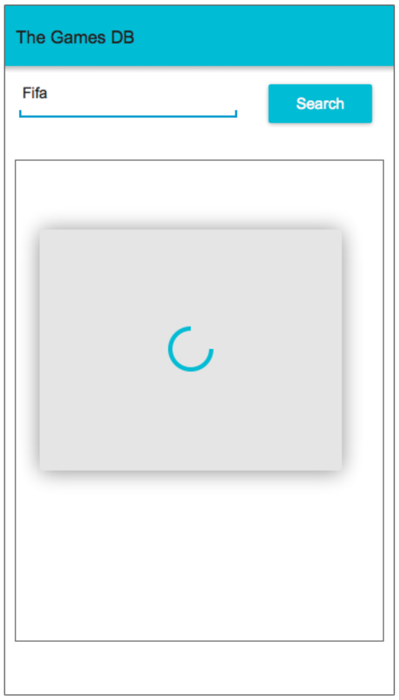
ITIS/ITCS 4180/5180 Mobile Application Development
In Class Assignment 6

Basic Instructions:

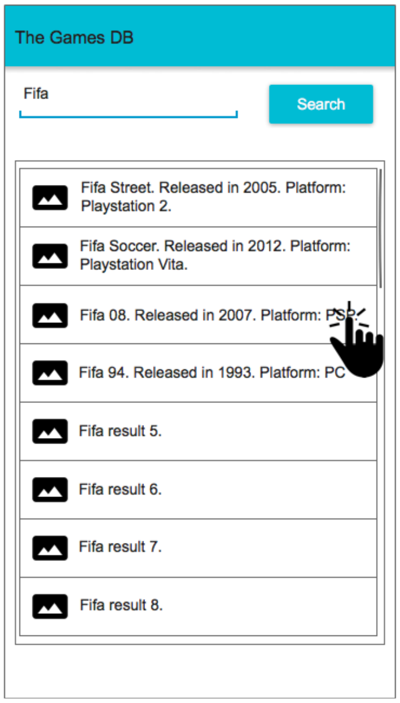
1. In every file submitted you MUST place the following comments:
   a) Assignment #.
   b) Full name of the student.
2. This is an individual assignment and you will be responsible for doing this assignment by yourself.
3. Your assignment will be graded for functional requirements and efficiency of your submitted solution. You will lose points if your code is not efficient, does unnecessary processing or blocks the UI thread.
4. Please download the support files provided with this assignment and use them when implementing your project.
5. Submission details:
   a) Export your Android project and create a zip file which includes all the project folder and any required libraries.
   b) The file name is very important and should follow the following format: **InClass06_<YourLastName>.zip.** You should submit the assignment through Canvas: Submit the zip file.
6. **Failure to follow the above instructions will result in point deductions.**



(a) Main Screen



(b) Searching Progress



Fifa Street. Released in 2005. Platform: Playstation 2.

Fifa Soccer. Released in 2012. Platform: Playstation Vita.

Fifa 08. Released in 2007. Platform: PS2

Fifa 94. Released in 1993. Platform: PC

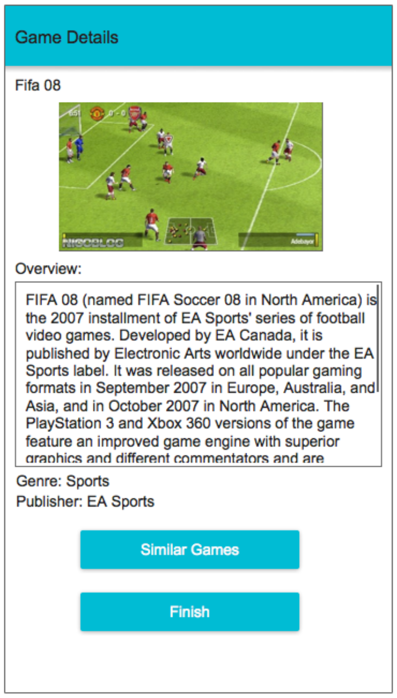
Fifa result 5.

Fifa result 6.

Fifa result 7.

Fifa result 8.

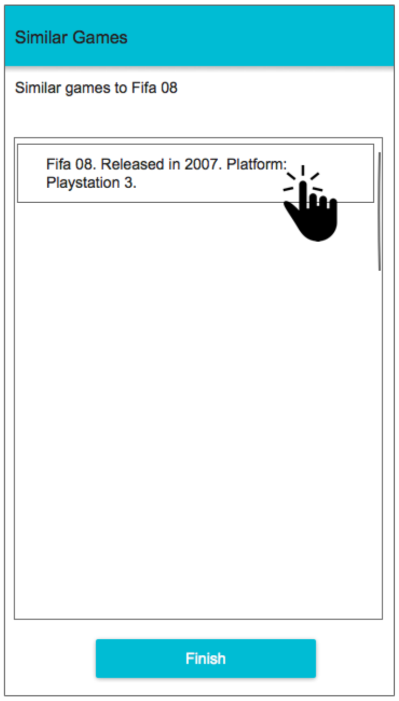
(c) Search results with ListView



FIFA 08 (named FIFA Soccer 08 in North America) is the 2007 installment of EA Sports' series of football video games. Developed by EA Canada, it is published by Electronic Arts worldwide under the EA Sports label. It was released on all popular gaming formats in September 2007 in Europe, Australia, and Asia, and in October 2007 in North America. The PlayStation 3 and Xbox 360 versions of the game feature an improved game engine with superior graphics and different commentators and are

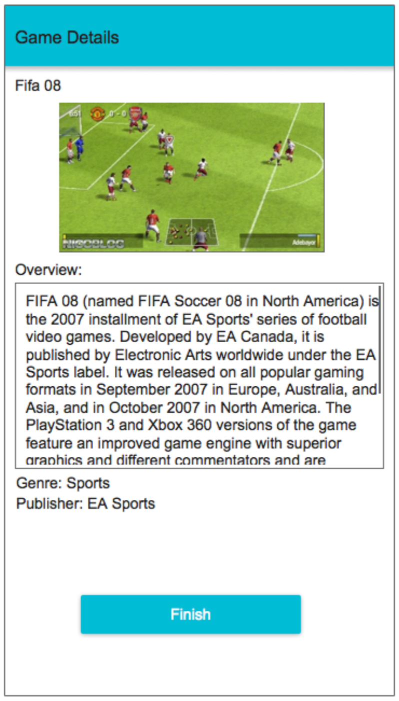
Genre: Sports
Publisher: EA Sports

(d) Game details



Fifa 08. Released in 2007. Platform: Playstation 3.

Similar games ListView



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(f) Details of the selected similar game

Figure 1: App Screens

In Class Assignment 06 (100 Points)

In this assignment you will be developing the same Game searching as HW 05. You will be using the gamesdb.net API (http://wiki.thegamesdb.net/index.php/API_Introduction). You need to follow the instructions below:

1. In the main activity you should display a Search Edit Text and a Search button, see Figure 1(a).
2. Below that, there should be a ListView.
3. In the Search text the user need to put a Keyword to search the games.
4. When the user clicks on Search button, it should use the GetGamesList API (http:// wiki.thegamesdb.net/index.php/GetGamesList) to find all the games related to the KeyWord.
5. You should display a Progress Spinner while loading the results, see Figure 1(b).
6. The Search results should be displayed inside the ListView. Each item must include the basic entries of the games retrieved: Game Logo (**Use GetGame API to get the clearlogo tag**), Title, Release Year and Platform, see Figure 1(c).
7. From the list, the user selects one entry.
8. Clicking on the item should start a new activity having the details of the Game. Use GetGame API (http://wiki.thegamesdb.net/index.php/GetGame) to retrieve the Game details. Display another Progress Spinner while loading the Game details.
9. At first display the title of the game.
10. Then display the first image you get from the Images, see Figure 1(d). Hint: you need to append the baseImgUrl.
11. Then you need to display the Overview of the game in a TextView.
12. Then, you need to display the Genre and the Publisher.
13. Below that, there should be two buttons: Similar Games and Finish.
14. Clicking on the Similar Games should display a list of similar games (in a different activity) related to the game. Here, you need to use GetGame again to get the small details, see Figure 1(f). Each item in the list should include: The Title, Release Year and Platform. Clicking on the Finish button should take the user back to Game Details.
15. Clicking on any item in the ListView (Figure 1(e)) should display the details of the selected game. This time only with one button, Finish (Figure 1,f).
16. Clicking Finish button in this activity should take the user to the Similar games activity with the list of similar games.
17. Finally, Clicking Finish button in Game Details activity should take the user to the main activity with the search results.

Notes:

1. **Create separate java classes to implement AsyncTask/Thread pools.**
2. **Use a thread pool (or AsyncTask) to communicate with the APIs and to parse the result. Do not use the main threads to download the results.**
3. **Parse the XML stream using either XMLPullParser or SAXParser and return the result.**
4. **You can use Picasso library to load images.**