## Project description

- 1. All the projects were developed on Eclipse IDE.
- 2. The zip file including:
  - A Java project for the Java task
  - An Android project with the dependent lib (appcompat\_v7)
  - > An apk which can be installed on Android smart phone
- 3. The tasks impalements
  - 3.1Java project
    - Write a function that reads text file into a string.
    - Write a function that reverses a string without using ANY library
  - 3.2 Android project
  - ➤ HttpURLConnection was used to fetch Json data from a URL(Sorry, "HTTP GET" was not used, I missed the request. It's also easy to implement http get.)
  - ➤ The URL <a href="http://www.soti.net/android/anagram.json">http://www.soti.net/android/anagram.json</a> was hard coded in the project.
  - > A new thread was started to take I/O activity(communicating with internet)
  - > A Listview was used to display the output data (retrieved and sorted)
  - ProgressDialog and Toast were used for notification
  - Hashmap was used for sorting anagrams
- 3.3 Two screenshots of the apk (JsonParserAcitivity)



Fig1 the Activity in AVD

## **B**utton:

- Parser start the parser function
- > Clear clear the screen
- > Exit exit the activity

Created by May Bai at 4/28/2014

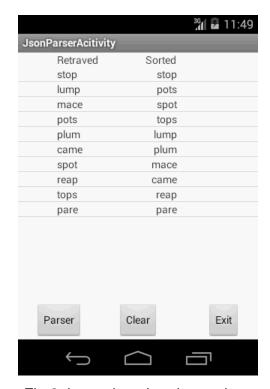


Fig 2 the retrieved and sorted anagrams