

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

3.1 Java 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 <http://www.soti.net/android/anagram.json> 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



Fig 2 the retrieved and sorted anagrams

Button:

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

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