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App name: SCCRadio Mobile App

1) What the App does.

It's a mobile client for a website related to sports and news of an specific team of Argentina basketball national league, named "Sport Club Cañadense".
The website is: www.sccradio.com.ar and is based on Wordpress blog technology. So, they exports all the news in JSON format using a plugin.
This plugin provides functionality to export any post/page or custom content type data in the json format, and we can use HTTP GET to create the request
and process the RESPONSE in json format. Into the REQUEST we can use parameters into the URL to filters by category or ask for specific news by ID.

In the same Server of www.sccradio.com.ar they have a simple database, of the "next match" of the basketball team. So, in the SCCRadio Mobile App we read all the news
and we read from the server the simple database of the next matches.

At the same time, the mobile client of SCCRadio is showing all videos from the Official YouTube channel of SCCRadio. Our android mobile app is a client of the wordpress blog, a custom youtube client and a reader of the fixture from the database.

The final user can read the latest news of the team, see videos from Youtube and know the next's matches, all into the same mobile Android App.

Using a simple design like the first versions of Facebook Mobile App we are showing the news in the home Screen. Slide menu to access all the time to the rest of sections of the App and navigate in a faster way for all the App.
We have a Left and right menu, that you can open it with a swipe move or tapping on the icon on the ActionBar.

2) What problem it solves.

Read news and the fixture of Sport Club Cañadense Argentinan Team that play into the National Basketball League of Argentina, using a mobile Android app.
The website "www.sccradio.com.ar" is a company that it's focus on the matchs of the Sport Club Cañadense and during the week the post in the website a lot of news
related to the team and players.
At the same time, they upload a lot of interviews into the Official YouTube channel of SCCRadio. So, the mobile Android app is a hub of all the information of the team
because you can read the latest news, see the videos into Youtube and read about the next match of the team. All in the same mobile Android App, without to switch between Chrome Browser, Youtube native App and wordpress client from Play Store.

Resources

This is a list of Web sites, books, forums, blog posts, github repositories, android libraries etc. that I referred to and used in creating my submission of the final project.

1. Intellij IDEA Community Edition: https://www.jetbrains.com/idea/download/
2. ActionBar Sherlock - http://actionbarsherlock.com/
3. SlidingMenu Library - https://github.com/jfeinstein10/SlidingMenu
4. Tutorial: how to add a sliding menu inside your application.
    Part 1: http://www.michenux.net/android-sliding-menu-part-1-657.html ,
    Part 2: http://www.michenux.net/android-sliding-menu-part-22-690.html
5. Volley Library, an asynchronous networking library -
    https://android.googlesource.com/platform/frameworks/volley and
    https://androidresearch.wordpress.com/2014/02/01/android-volley-tutorial/
6. Gson: a Java library that can be used to convert Java Objects into their JSON
    representation. https://code.google.com/p/google-gson
7. VOLLEY and GSON Tutorial:
    http://www.michenux.net/android-volley-and-gson-tutorial-797.html
8. DiskLruCache from Jake Wharton - https://github.com/JakeWharton/DiskLruCache
9. YouTube Android API - Official Documentation:
    https://developers.google.com/youtube/android/player/
10. Paging indicator widget compatible with the ViewPager from ActionBarSherlock
    https://github.com/JakeWharton/Android-ViewPagerIndicator
11. ActionBarSherlock ViewPager Tabs Tutorial:
    http://www.androidbegin.com/tutorial/android-actionbarsherlock-viewpager-tabs-tutorial/ and this other:
    https://androidresearch.wordpress.com/2013/08/21/example-using-viewpager-with-actionbarsherlock-tabs/
12. Using Themes in Android:
    http://www.androidengineer.com/2010/06/using-themes-in-android-applications.html
13. Android library for using the Honeycomb animation API on all versions of the platform
    back to 1.0 - https://github.com/JakeWharton/NineOldAndroids/
14. Android Transition effects between Activities -
    http://www.techotopia.com/index.php/Implementing_Android_Scene_Transitions_%E2%80%93_A_Tutorial
15. Android Screen Orientation Change Rotation -
    http://techblogon.com/android-screen-orientation-change-rotation-example/
16. Custom fonts in TextView and FontCache
    http://slothdevelopers.wordpress.com/2014/05/11/custom-fonts-in-textview-and-fontcache

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