

Documentation: The awesome mp3 player

The Functionality

The media player is able to play, pause and stop a single mp3-song. The song will be loaded from the web page: <http://mobi.randomsort.net/wp-content/uploads/2015/07/filetoplay.mp3>

The Code

In the MainActivity you can find the whole logic of the project. The main functionality is in the onCreate()-method it contains some listeners, to catch the user changes and calls some helper methods (play(), pause(), stop() and drawSideBar()).

The code is well structured and contains some comments, please have a look for it. =)

Some issues (or be aware of!)

We did not have many problems while coding the application, but there were some points we did some additional research or were struggling with:

Internet permission

Please do not forget to allow the program to connect to the internet if you want to use a resource (like our mp3 song) from the internet, so please edit the AndroidManifest with the following code: `<uses-permission android:name="android.permission.INTERNET" />`

Multithreading

To update the seek bar constantly, while the song is playing the run-method (Interface Runnable) is used, which is called every second.

To Stop the media player

When we started to code, we used the MediaPlayer#pause() function for pause the media player, but to stop as well, with the difference, that we turned back to the beginning of the song. Surprisingly after testing a couple of times, we noticed, that turn back to the beginning and re-starting is wiggling the song and plays some additional milliseconds of the old position. → complicate to explain, but that is why we changed and used finally the stop()-method as it is supposed to be. After using stop you have to be aware that you have to reset the media player and the source.