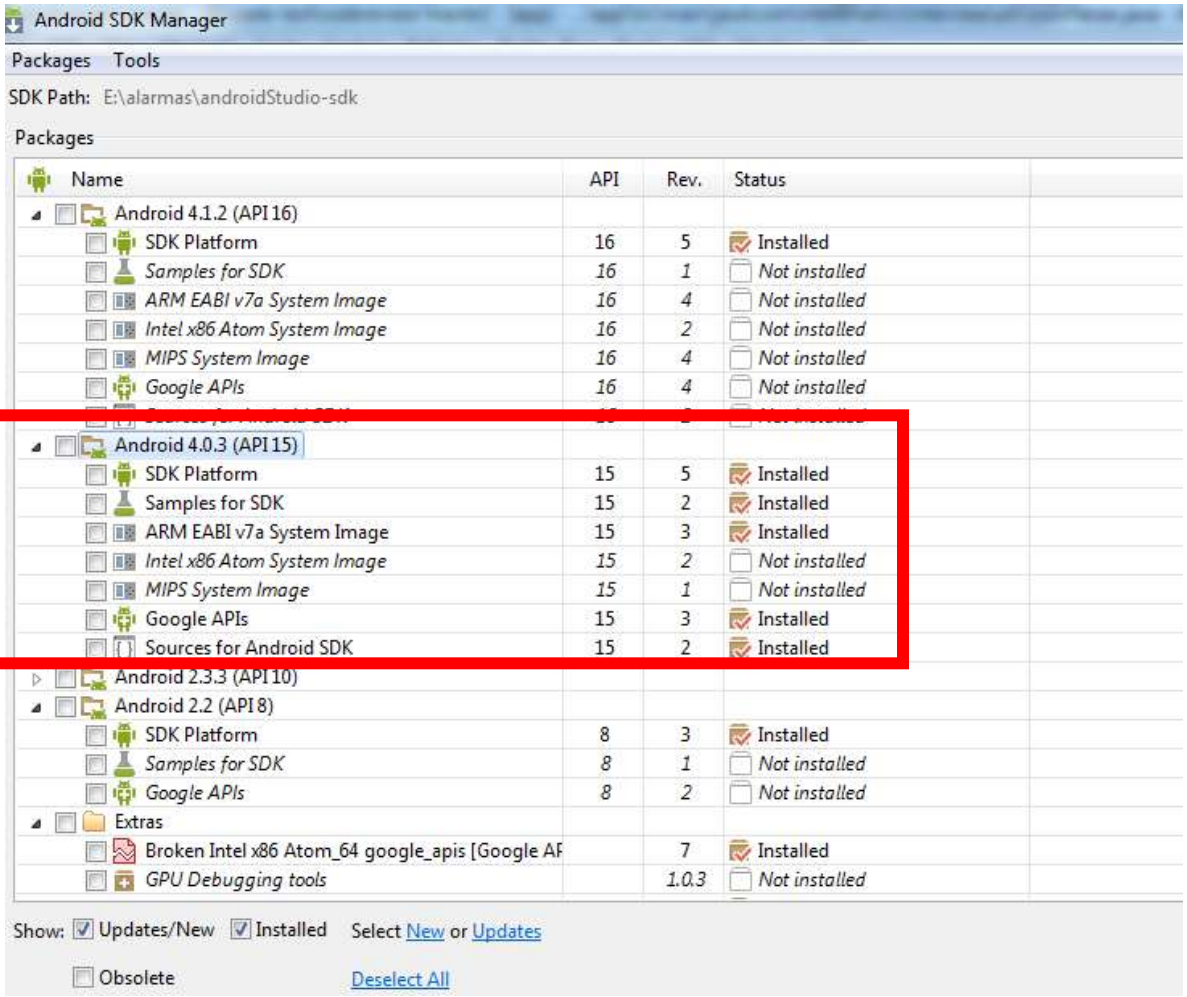
Configuring the “Rock Catalogue” application project

1.- Not specify the SDK versión required to run the app, and in order to be able to run the application, it was required to download additional packages and API versions



Android SDK Manager

Packages Tools

SDK Path: E:\alarmas\androidStudio-sdk

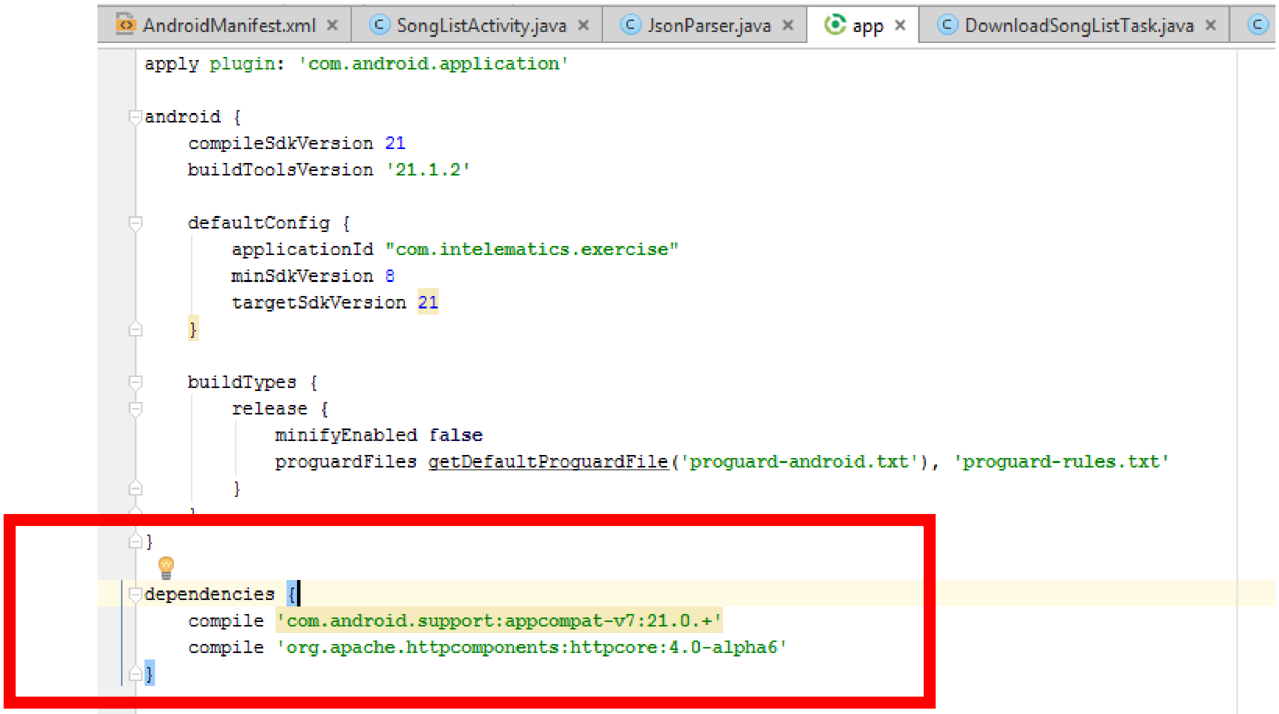
Packages

Name	API	Rev.	Status
□ Android 4.1.2 (API 16)			
□ SDK Platform	16	5	Installed
□ *Samples for SDK*	*16*	*1*	*Not installed*
□ *ARM EABI v7a System Image*	*16*	*4*	*Not installed*
□ *Intel x86 Atom System Image*	*16*	*2*	*Not installed*
□ *MIPS System Image*	*16*	*4*	*Not installed*
□ *Google APIs*	*16*	*4*	*Not installed*
□ *Sources for Android SDK*	*16*	*2*	*Not installed*
□ Android 4.0.3 (API 15)			
□ SDK Platform	15	5	Installed
□ Samples for SDK	15	2	Installed
□ ARM EABI v7a System Image	15	3	Installed
□ *Intel x86 Atom System Image*	*15*	*2*	*Not installed*
□ *MIPS System Image*	*15*	*1*	*Not installed*
□ Google APIs	15	3	Installed
□ Sources for Android SDK	15	2	Installed
□ Android 2.3.3 (API 10)			
□ Android 2.2 (API 8)			
□ SDK Platform	8	3	Installed
□ *Samples for SDK*	*8*	*1*	*Not installed*
□ *Google APIs*	*8*	*2*	*Not installed*
□ Extras			
□ Broken Intel x86 Atom_64 google_apis [Google AF		7	Installed
□ *GPU Debugging tools*		*1.0.3*	*Not installed*

Show: ☑ Updates/New ☑ Installed Select New or Updates

□ Obsolete Deselect All

2.- Not configure the gradle file with the required libraries from repository and this generates a lot fo compilation errors when you load the Project and wasting time looking for the library on the web and configuring the file and this work has been made in the configuration of the initial Project execution

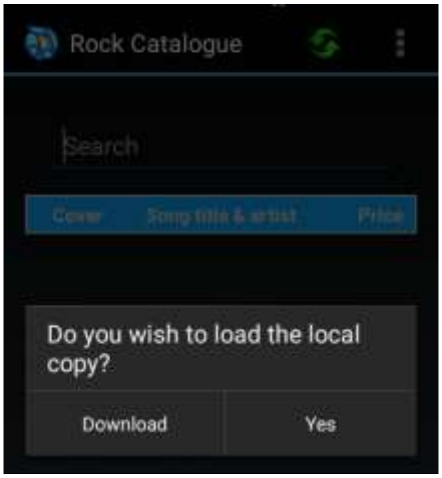


```
apply plugin: 'com.android.application'

android {
    compileSdkVersion 21
    buildToolsVersion '21.1.2'

    defaultConfig {
        applicationId "com.intelematics.exercise"
        minSdkVersion 8
        targetSdkVersion 21
    }

    buildTypes {
        release {
            minifyEnabled false
            proguardFiles getDefaultProguardFile('proguard-android.txt'), 'proguard-rules.txt'
        }
    }
}

dependencies {
    compile 'com.android.support:appcompat-v7:21.0.+'
    compile 'org.apache.httpcomponents:httpcore:4.0-alpha6'
}
```

3.-Difficult to use, to understand how to use the application to carry out for a simple query, I have pressed the 2 possible options and do not do any action the application, do not show a response for the user a message or some information to indicate the current process or if a missing action or the next step to the user should do and is an error occurs not response from application.

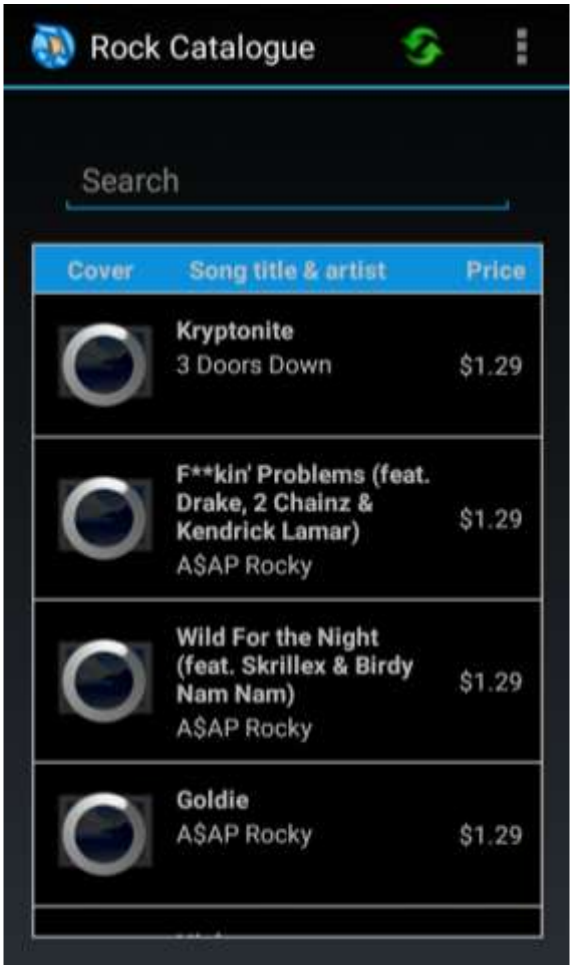
4.- Checking more details the app, detected if you press the option “Yes” do not do anything even a message to the user indicating that any information is stored in the local device, you need to show messages at the user to clarify the usage of application.

5.- Create and handle the use of EXCEPTIONS and show messages to the user in order to let know if any erros occurs on the application



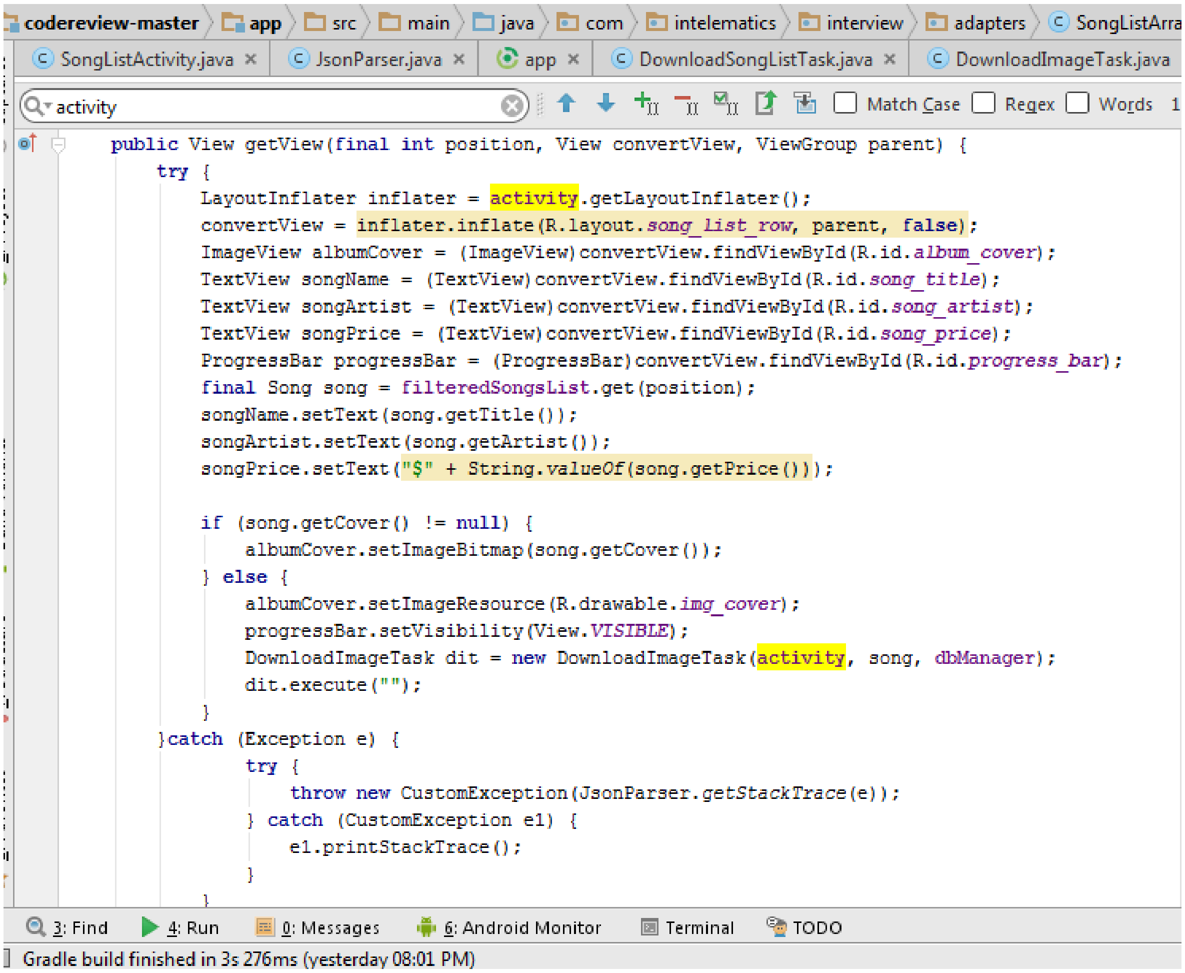
Do you wish to load the local copy?

6.- Detected the application was able to connect to get the information regarding artist from iTunes but when decode the image is not handling the exception error and not finish to load the images



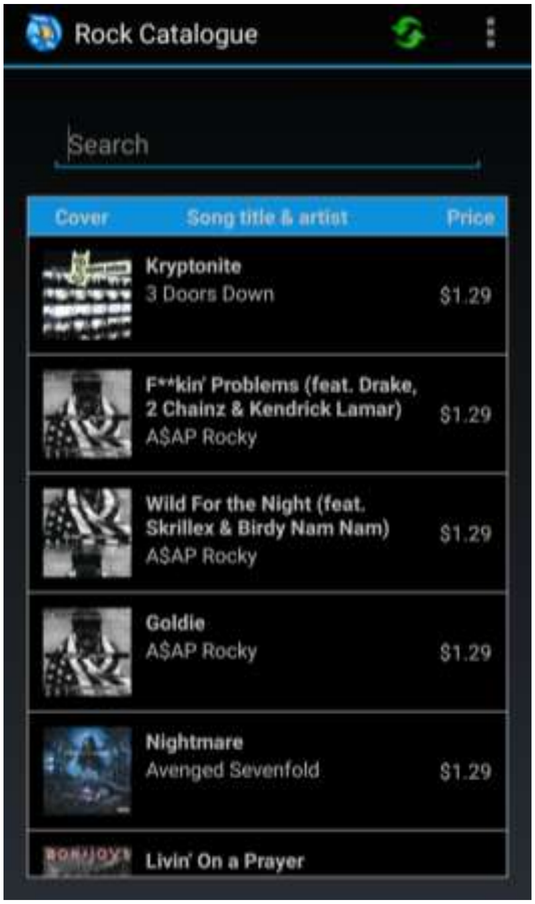
Cover	Song title & artist	Price
	Kryptonite 3 Doors Down	$1.29
	Fkin' Problems (feat. Drake, 2 Chainz & Kendrick Lamar)** A$AP Rocky	$1.29
	Wild For the Night (feat. Skrillex & Birdy Nam Nam) A$AP Rocky	$1.29
	Goldie A$AP Rocky	$1.29

7.- Create a new class named “**DownloadImageTask**” in order to be able to get the images in an Asyntask and not use the main thread



```java
    public View getView(final int position, View convertView, ViewGroup parent) {
        try {
            LayoutInflater inflater = activity.getLayoutInflater();
            convertView = inflater.inflate(R.layout.song_list_row, parent, false);
            ImageView albumCover = (ImageView)convertView.findViewById(R.id.album_cover);
            TextView songName = (TextView)convertView.findViewById(R.id.song_title);
            TextView songArtist = (TextView)convertView.findViewById(R.id.song_artist);
            TextView songPrice = (TextView)convertView.findViewById(R.id.song_price);
            ProgressBar progressBar = (ProgressBar)convertView.findViewById(R.id.progress_bar);
            final Song song = filteredSongsList.get(position);
            songName.setText(song.getTitle());
            songArtist.setText(song.getArtist());
            songPrice.setText("$" + String.valueOf(song.getPrice()));

            if (song.getCover() != null) {
                albumCover.setImageBitmap(song.getCover());
            } else {
                albumCover.setImageResource(R.drawable.img_cover);
                progressBar.setVisibility(View.VISIBLE);
                DownloadImageTask dit = new DownloadImageTask(activity, song, dbManager);
                dit.execute("");
            }
        }catch (Exception e) {
                try {
                    throw new CustomException(JsonParser.getStackTrace(e));
                } catch (CustomException e1) {
                    e1.printStackTrace();
                }
            }
```

Gradle build finished in 3s 276ms (yesterday 08:01 PM)



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	Goldie A$AP Rocky	$1.29
	Nightmare Avenged Sevenfold	$1.29
	Livin' On a Prayer	