# Stream Radio

#### Video tutorial:

http://youtu.be/8p348t4xmis

#### **Document tutorial:**

#### **Step 1: Setup Project**

- Extend the "Stream Radio.zip" to your desktop.
- Import "Stream Radio" folder to Android Studio.
- Rename the package name "com.example.mark.streamradio" to your package name. (for example: com.example.test.myradio). If you can't rename the package, please watch my youtube tutorial.

#### **Setup 2: Create AdMob account**

- Go to <a href="http://www.google.com/ads/admob/">http://www.google.com/ads/admob/</a>
- Sign up with your gmail account.
- Register the new application, and you get ID. Similar than this ("ca-app-pub6724609620092206/8406682772").
- Now change the basic code in the application.

```
StreamRadio (C:\Users\Márk\Desktop\StreamRadio)
                                                 <?xml version="1.0" encoding="utf-8"?>
  ▶ ☐ .idea
                                                ▼ 🛅 app
                                                     <string name="app name">Stream Radio</string>
     build
                                                     <string name="welcome big">Hello!</string>
       libs 🗀
                                                     <string name="welcome_small">I am a Stream Radio.</string>
     ▼ 🛅 src
                                                     <string name="delete dialog title">Delete Radio</string>
       androidTest
                                                     <string name="delete_dialog_message">Do you want delete this station?</string</pre>
                                                     <string name="dialog_cancel">Cancel</string>
        ▼ 🛅 main
                                                     <string name="dialog_delete">Delete</string>
          assets
                                                     <string name="connection error dialog title">Connection Error</string>
          ▶ □ java
                                                     <string name="connection error dialog message">No Internet connection. Please
          ▼ 📑 res
                                                     <string name="connection_error_dialog_button">Retry</string>
             <string name="admob_id">ca-app-pub-6724609620092206/8406682772</string>
             drawable-hdpi
                                                     <string name="admob_true_or_false">true</string>
             drawable-mdpi
                                                △</resources>
             drawable-xhdpi
             drawable-xxhdpi
             drawable-xxxhdpi
             ▶ layout
             dimens.xml
                  strings.xml
                  styles.xml
```

 If you don't want use the AdMob, you change the "admob\_true\_or\_false" variable to false.

### **Setup 3: Configure Project**

 Go to res/values/strings.xml. You can edit some information. For example the application name.

```
<string name="app_name">Stream Radio</string>
<string name="welcome_big">Hello!</string>
<string name="welcome_small">I am a Stream Radio<//string>
<string name="delete_dialog_title">Delete Radio</string>
<string name="delete_dialog_message">Do you want delete this station?</string>
<string name="dialog_cancel">Cancel</string>
<string name="dialog_delete">Delete</string>
<string name="connection_error_dialog_title">Connection Error</string>
<string name="connection_error_dialog_message">No Internet connection. Please check your connection and try again.</string>
<string name="connection_error_dialog_button">Retry</string>
<string name="admob_id">canapp-pub-6724609620092206/8406682772</string>
<string name="admob_true_or_false">true</string></string>
<string name="admob_true_or_false">true</string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string></string>
```

But If you want change elements sizes, you search this file.
 res/values/dimens.xml

```
<dimen name="radio title">25dp</dimen>
<dimen name="radio list name and from">18dp</dimen>
<dimen name="radio list margin">20dp</dimen>
<dimen name="radio list isplay margin">7dp</dimen>
<dimen name="radio list isplay size">27dp</dimen>
<dimen name="radio bufferindicator width">14dp</dimen>
<dimen name="radio main name">50dp</dimen>
<dimen name="radio main from">26dp</dimen>
<dimen name="dialog title">30dp</dimen>
<dimen name="dialog title">30dp</dimen>
<dimen name="dialog text">20dp</dimen>
```

## Setup 4: Add and Remove default radio stations

- You can modify radio station list with a code.
- Open the "DataManager" file in the project, and find the radio station definitions. (bottom of the page).

```
▼ 🛅 main
         ▼ 🛅 java
                                                                                                                                                 ArrayList<RadioListElement> radioArray = new ArrayList<->();
                      com.example.mark.streamradio
                                                                                                                                                 MainActivity.getDataManager().loadStoredRadioStations(radioArray, userRadios);
                                                                                                                                                MainActivity, getDataManager().loadStoredRadioStations(radioArray, userRadios);
radioArray,add(new RadioListElement(context, "BRFJAX Radio", "USA", "http://tuner.defjay.com:80/"));
radioArray.add(new RadioListElement(context, "Bridge FN", "Bridgend", "http://icy-e-04.sharp-stream.com:80/tcbridge.mp3'
radioArray.add(new RadioListElement(context, "Capital FN", "London", "http://icy-e-the.musicradio.com:80/CapitalMP3"));
radioArray.add(new RadioListElement(context, "95.5 Music FN", "Budapest", "http://y51.2241_238:8000/musicfm.mp3"));
radioArray.add(new RadioListElement(context, "HTDWER", "New York", "http://powerhitz.powerhitz.com:5040/"));
radioArray.add(new RadioListElement(context, "MTMU", "Only online", "http://stream0.wfmu.org/reeform=128%"));
radioArray.add(new RadioListElement(context, "Blam FNT", "Netherlands", "http://stream0.wfmu.org/reeform=5352/"));
radioArray.add(new RadioListElement(context, "Fulse 87", "New York", "http://icy3.abacast.com/pulse87-pulse87aac-64"));
TURGidJiataray.add(new RadioListElement(context, "Pulse 87", "New York", "http://icy3.abacast.com/pulse87-pulse87aac-64"));
                        ▶ CostumView
                         TabPagesAndAdapter
                                C & DataManager
                                 © • GestureListener

    □ HeadsetReceiver

                                © & LoadingAnimation

    MainActivity

                                 © a MusicPlayer
                                                                                                                                                 URRadioList.removeAllViews();
RadioList.radioList = new RadioList(context, radioArray, UIRadioList);
radioList.addRadioStations(radioListName, radioListLocation);
                                © a MusicPlayerControl
                                © • PhoneCallListener
                                 © % RadioList
                                Radiol istElement
                                C ToastCreator
```

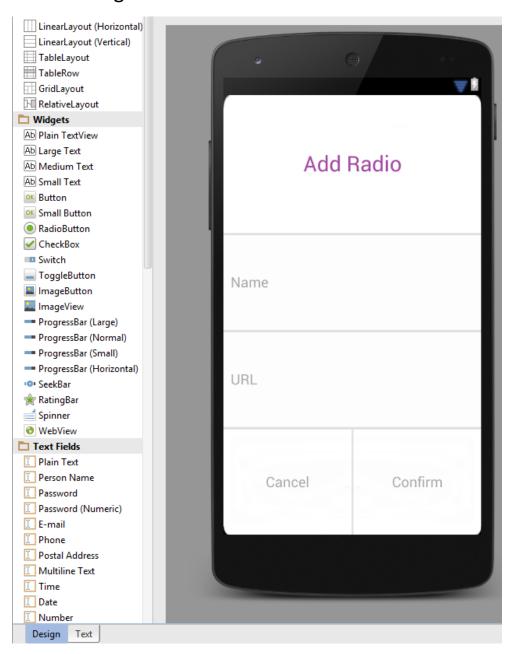
- You can change easily the radio stations structure.
- Please not use .pls and .m3u url (file) in the code. View the video tutorial for the solution.

### **Setup 5: Modify Design**

- res/xhdpi animated wallpaper image parts
- res/hdpi other image components
- If you want change design, you replace the default images of similar size images.

## Setup 6: Modify Design II.

- If you want radical change on the design, search the res/layout folder. You can found it some layout (.xml) file.
- You can change it the basic Graphical User Interface.
- In the Android Studio you can use text and design mode for editing.



# **Setup 7: After the setup**

- After setting up project done, you can run and install application.
- If you have any problem about this project. Please send email to me.

Best regards, Mark Bus

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