

Technical Documentation for “Single Channel TV Application”

Created: 11 April 2018

Last Modified: 14 May, 2018

Authors:

- Ashiq
- Shafayet

Support: products.mcc@gmail.com

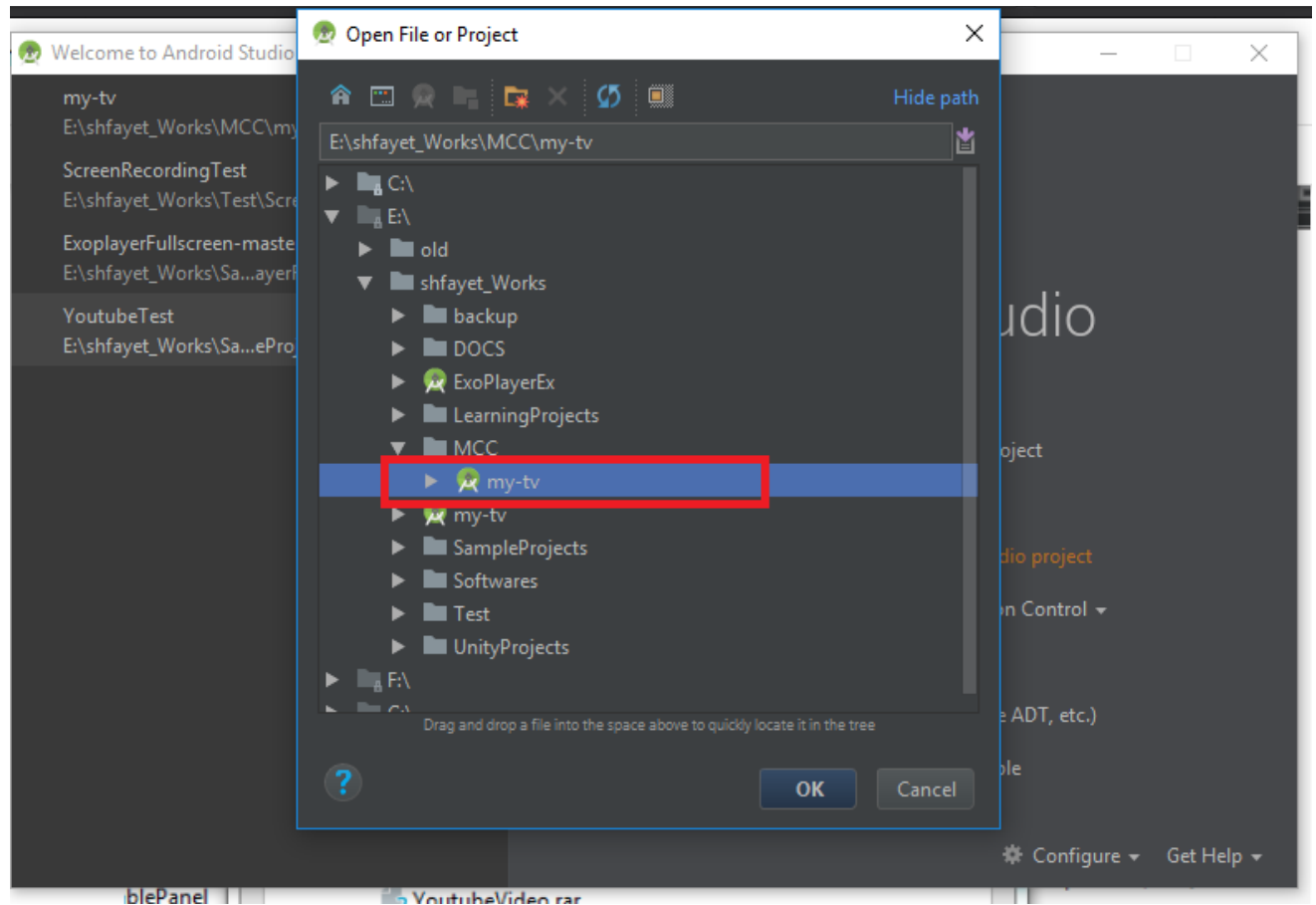
Thank you for purchasing our item. If you have any questions that are beyond the scope of this help file, please feel free to [Email US](#).

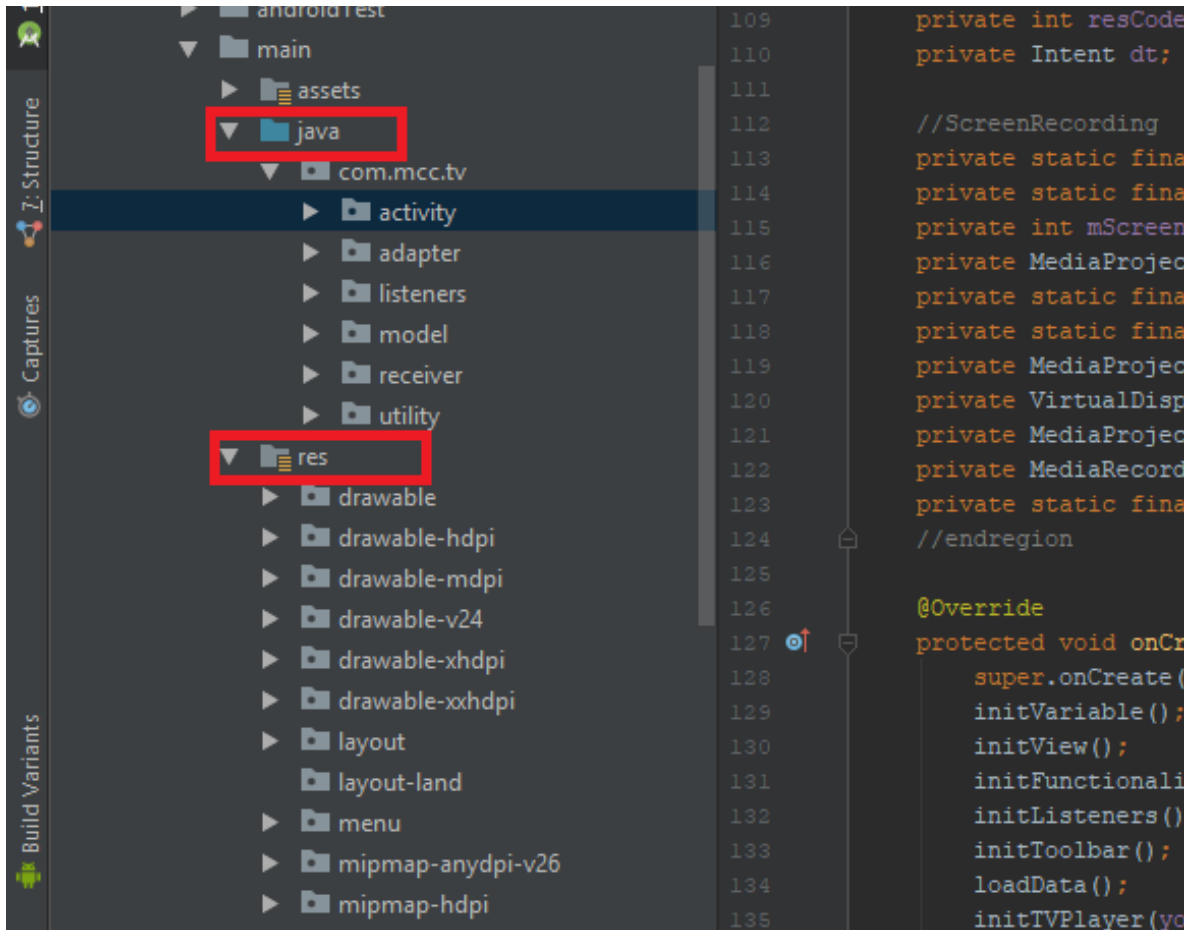
Table of Contents

1. Project Structure
 2. Customization
-

1. Project Structure

We made the project as simple as possible for better understanding. It contains few JAVA and XML file to customize. If you are new in Android Studio follow the instruction below to open project:





Here is the basic view of **Project Navigator**. Double click on any class will open source code in a new tab.

2. Customization

2.1. Change app name:

- Open [app/src/main/res/values/strings.xml](#) file and find those items.
- Modify the value of **app_name** "Single Channel TV Application" by your preferred name.

```
<string name="app_name">Your app name</string>
```

2.2. Change app icon:

- Open [app/src/main/res/drawable/ic_launcher](#) icon.
- Replace the `ic_launcher.png` by your icon.

2.3. Change splash and navigation drawer icon:

- c. Open [app/src/main/res/drawable/](#) icon.
- d. Replace the app_logo.png by your icon.

2.4. Change package name:

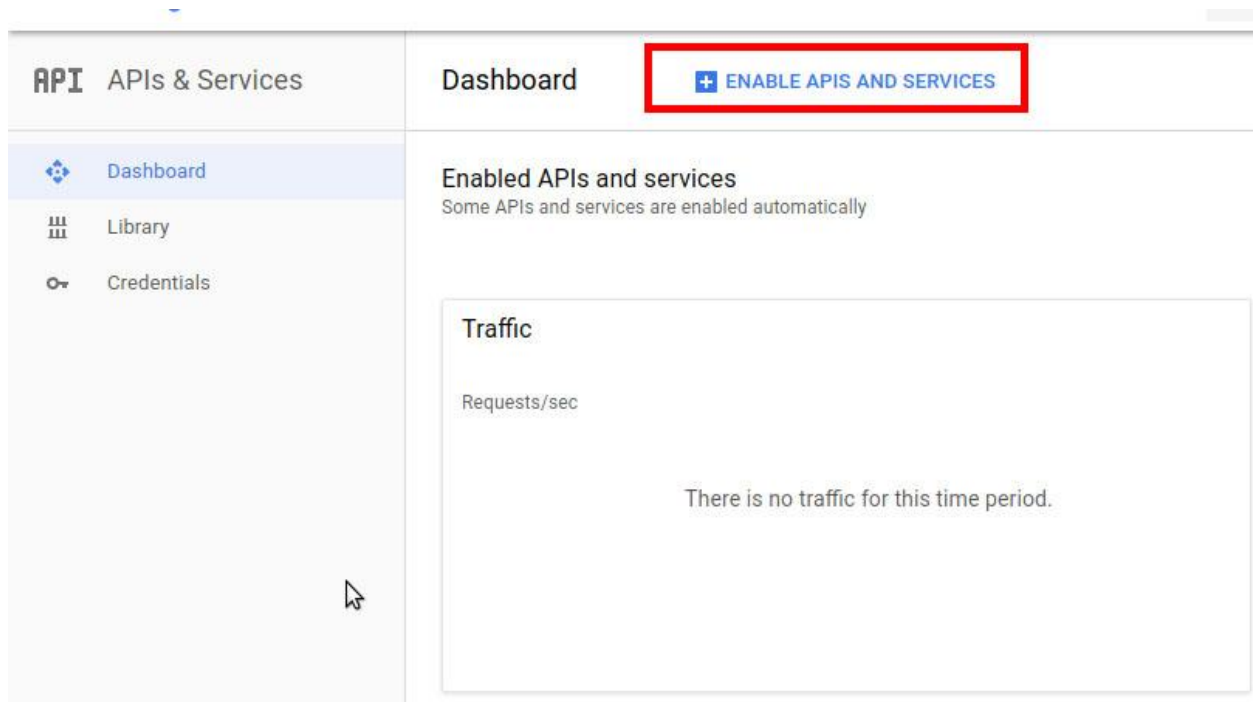
- a. Follow this instruction to change your package name:
<https://stackoverflow.com/a/29092698>

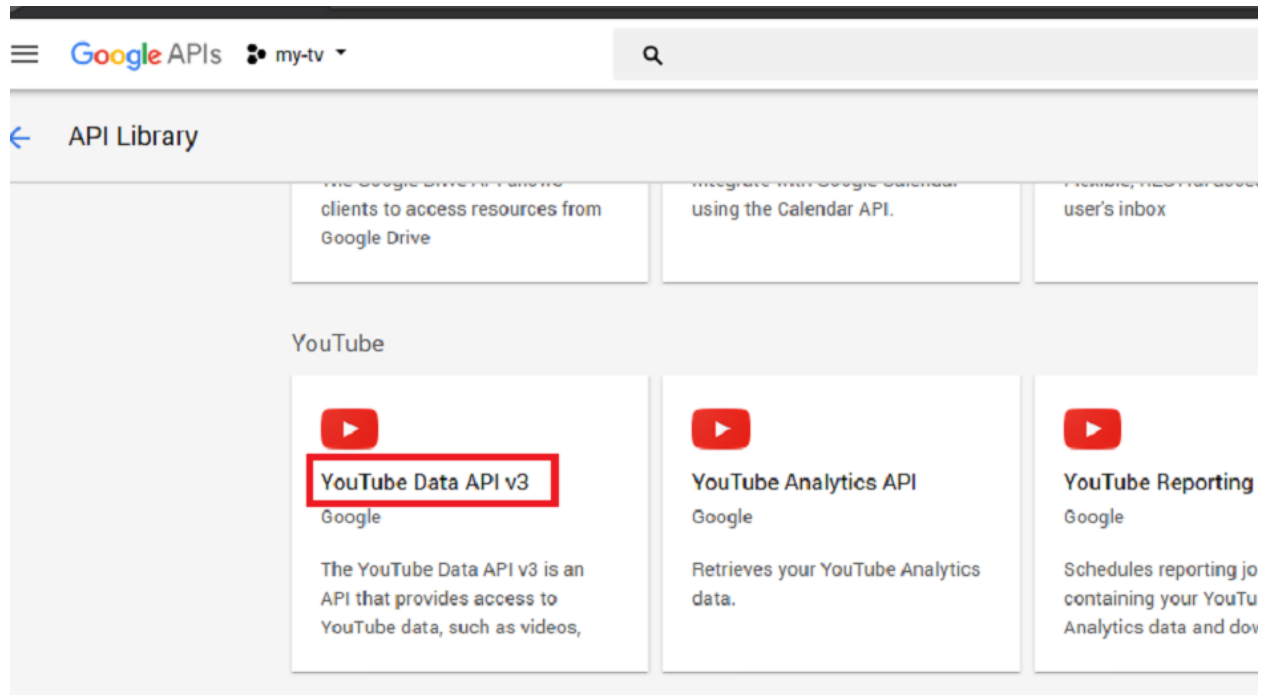
2.5. Change TV Streaming URL: You need to set your own streaming url. If your URL is IP live streaming URL just replace it and if you have live youtube streaming you need api key and streaming id.

2.5.1. For Youtube live streaming URL:

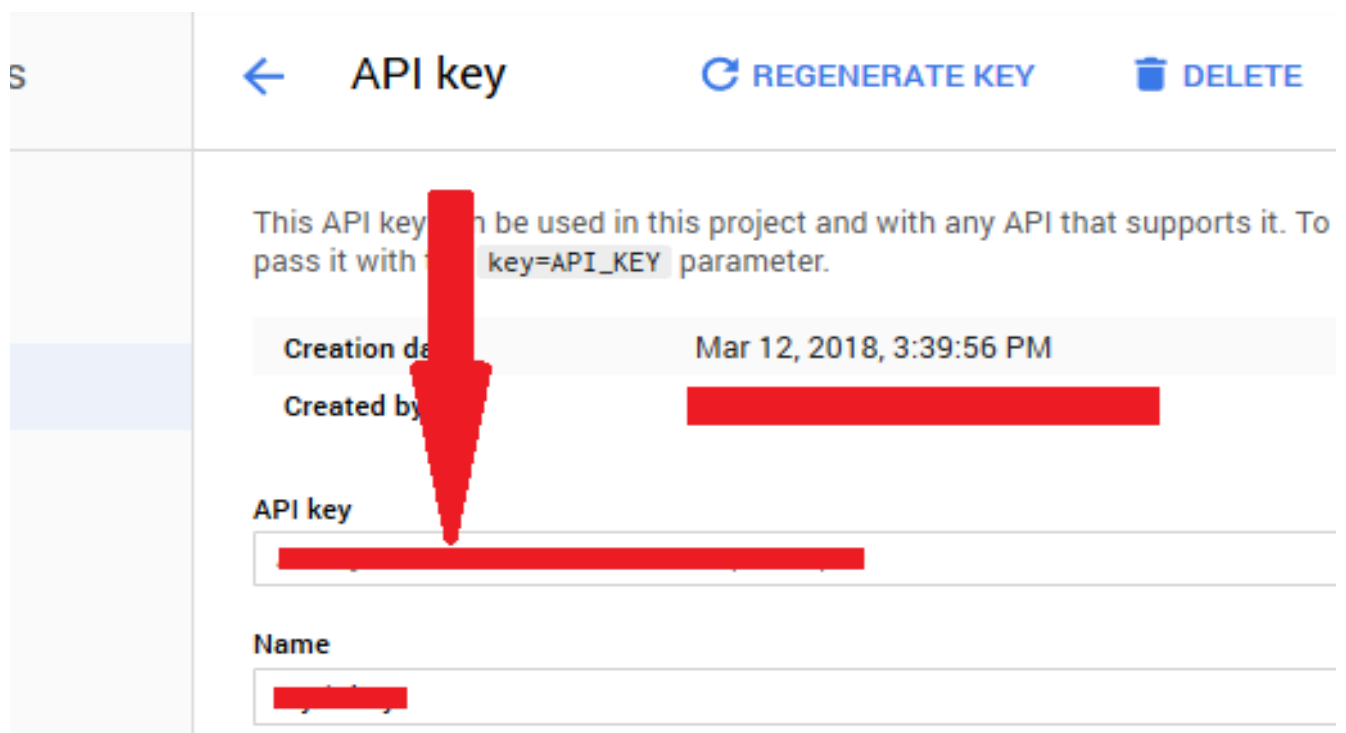
2.5.1.1. Generate and set Youtube API Key:

- i. Go to [Google Developers Console](#) and sign in with your Google account.
- ii. Create the new project (name does not matter for the plugin).
- iii. Go to your project (by clicking on its name in the list).
- iv. In the sidebar on the left, then go to APIs & Service and click Enable APIS and Services(+ plus icon). In the list of APIs go to **YouTube Data API (v3)** and make sure that it's enabled (Enable API).





v. Get api key: From sidebar click Credentials. Then click on Create New Key and choose Browser key.



More information on [Google Developers portal](#).

Vi. Get youtube streaming id:

- Get your youtube streaming id from your youtube channel.
- Put this API key into [AppConstant.java](#) file inside [/app/src/main/java/com/mcc/data/constant](#)

2.6. Configure AdMob:

As default configuration, we have integrated Admob ads. You can either customize your own sections for showing ads or you can disable the ads from the entire app permanently. The decision is yours.

a. Integrate AdMob Ads:

- Open [app/src/main/java/com/mcc/tv/activity/AllProgramActivity.java](#) file and go to the `onResume()` method and you will see this - `//Show Banner Ads`. Just uncomment the line below of it and banner ads will be shown.
- Copy this portion to your desired xml file:
- Open Activity file integrate the code bello:

```
@Override
protected void onResume() {
    super.onResume();
    // Show Banner Ads
    AdUtils.getInstance(mContext).showBannerAd((AdView) findViewById(R.id.adView));
}
```

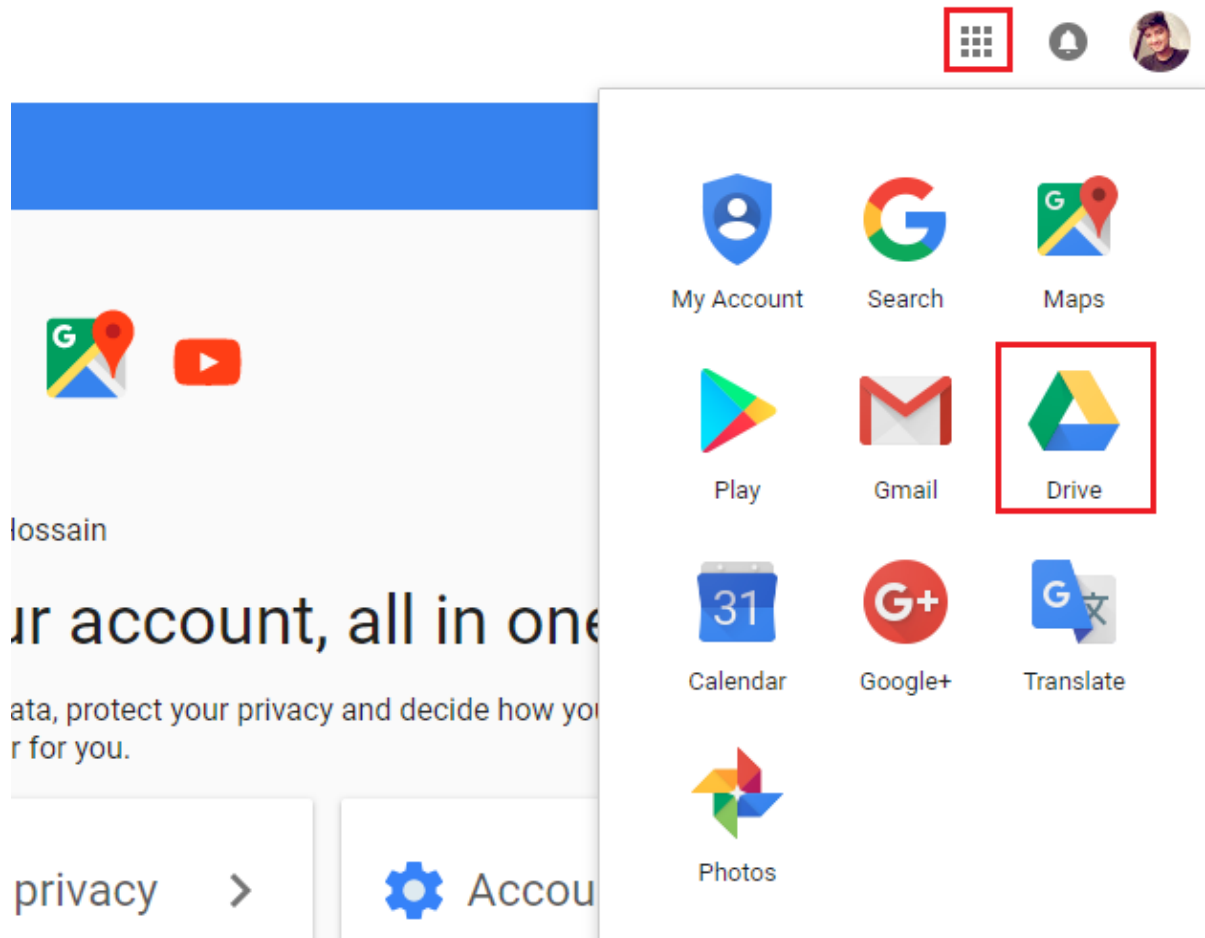
b. Remove all ads from the app:

- Open [app/src/main/java/com/mcc/tv/activity/ProgramListActivity.java](#) file and go to the 'onResume' method and you will see this - `//uncomment this line to disable ad`. Follow this instruction to remove either banner or full screen ads or both of them from the app.

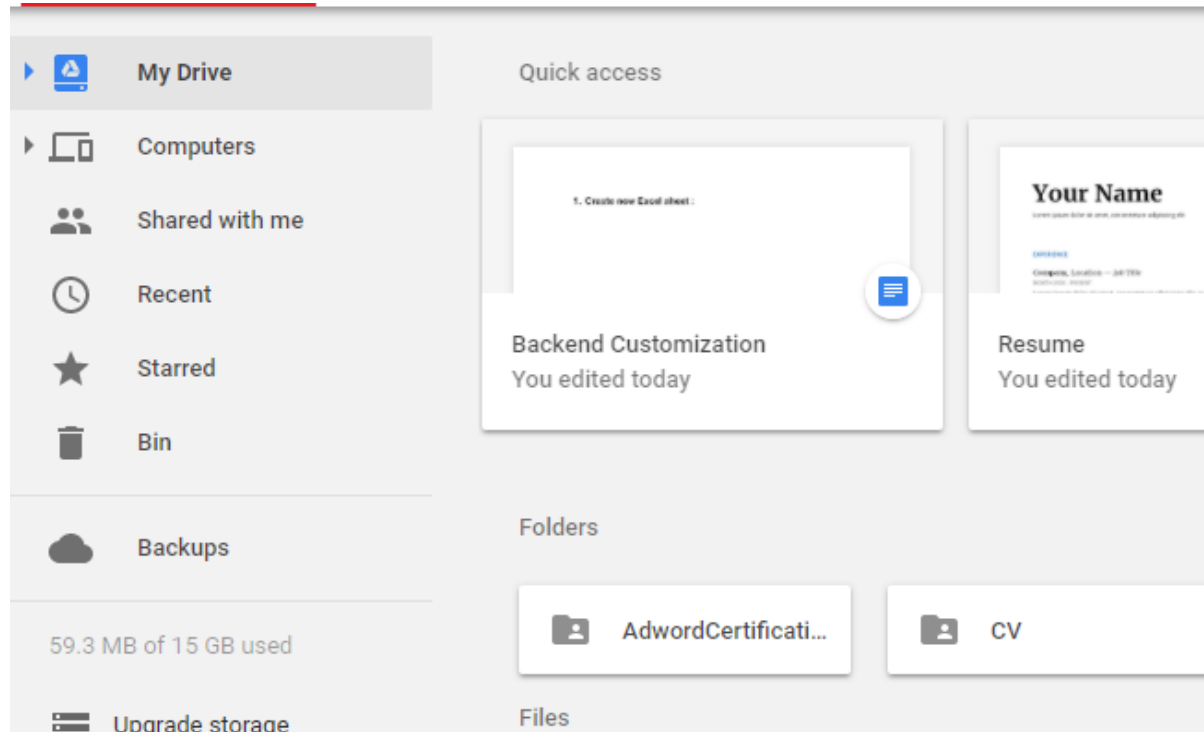
Backend Customization Documentation

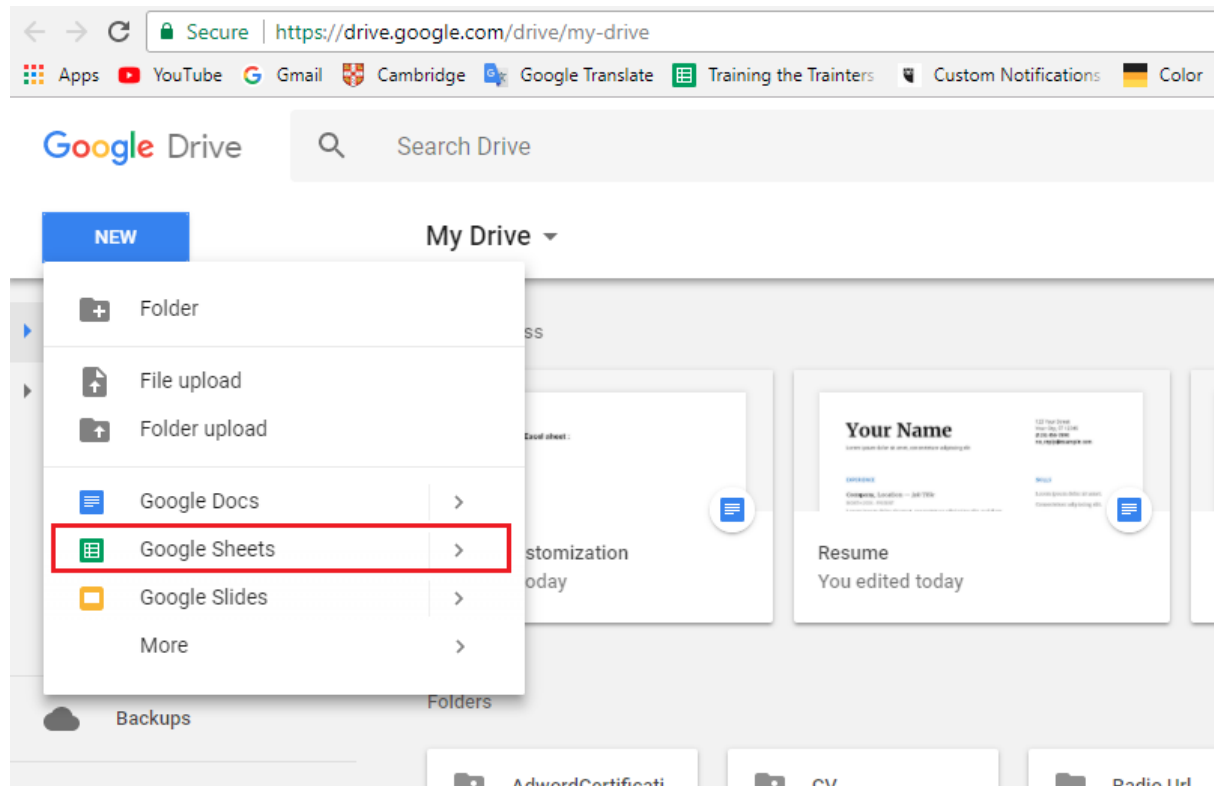
3. Create new Excel sheet :

- a. Go to <https://accounts.google.com> by your gmail account.
- b. Open google drive.

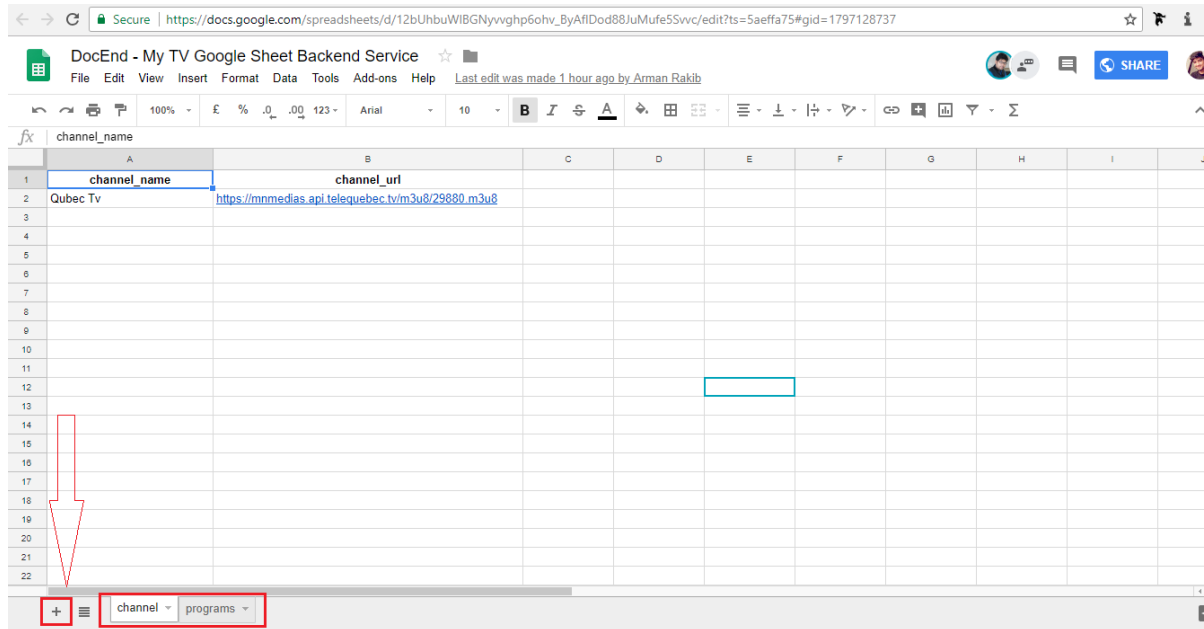


c. Create new sheet . go to **New/google sheets**





d. Create two sheet using the '+' button at the right bottom corner of the sheet.



e. Please carefully rename the two sheets name. Rename the first sheet as “channel” and second sheet as “programs”. Have a look to the below image (zoom in for clear visual):

f. Change sheet access to **public**. Share > Advance > Who Has Access > Change > Anyone who has the link can **view**

	A	B	C	D	E	F	G	H	I	J	K
1	program_id	program_name	program_start_time	program_end_time	program_duration						
2	1	News Round	25.04.2018 1:30 pm Sunday	25.04.2018 2:29 pm Sunday	1.5 hour						
3	2	Tomorrow's World	25.04.2018 2:30 pm Sunday	25.04.2018 3:29 pm Sunday	1 hour						
4	3	Travies	25.04.2018 3:30 pm Sunday	25.04.2018 4:29 pm Sunday	50 min						
5	4	Master chef UK	25.04.2018 4:30 pm Sunday	25.04.2018 5:29 pm Sunday	30 min						
6	5	East Enders	25.04.2018 5:30 pm Sunday	25.04.2018 6:29 pm Sunday	1.3 hour						
7	6	Mysterious India	25.04.2018 6:30 pm Sunday	25.04.2018 7:29 pm Sunday	1 hour						
8	7	Briefs	25.04.2018 7:30 pm Sunday	25.04.2018 8:29 pm Sunday	1 hour						
9	8	Newsround	25.04.2018 8:30 pm Sunday	25.04.2018 9:29 pm Sunday	1.5 hour						
10	9	Travel	25.04.2018 9:30 pm Sunday	25.04.2018 10:29 pm Sunday	1 hour						
11	10	Weather	25.04.2018 10:30 pm Sunday	25.04.2018 11:29 pm Sunday	1 hour						
12	11	World News	25.04.2018 11:30 pm Sunday	25.04.2018 12:29 am Sunday	1.3 hour						
13	12	Hello 82	25.04.2018 12:30 am Sunday	25.04.2018 1:29 am Sunday	1 hour						
14	13	Chloe	25.04.2018 1:30 am Sunday	25.04.2018 2:29 am Sunday	1 hour						
15	14	Love HQ	25.04.2018 2:30 am Sunday	25.04.2018 3:29 am Sunday	1 hour						
16	15	Hello 82	25.04.2018 3:30 am Sunday	25.04.2018 4:29 am Sunday	1.2 hour						
17	16	COMME	25.04.2018 4:30 am Sunday	25.04.2018 5:29 am Sunday	1.2 hour						
18	17	SPECIAL	25.04.2018 5:30 am Sunday	25.04.2018 6:29 am Sunday	1.2 hour						
19	18	HINDUS	25.04.2018 6:30 am Sunday	25.04.2018 7:29 am Sunday	1.2 hour						
20	19	SUPER	25.04.2018 7:30 am Sunday	25.04.2018 8:29 am Sunday	1.2 hour						
21	20	REFOR	25.04.2018 8:30 am Sunday	25.04.2018 9:29 am Sunday	1.2 hour						
22	21	KURUK	25.04.2018 9:30 am Sunday	25.04.2018 10:29 am Sunday	1.2 hour						
23	22	CRICK	25.04.2018 10:30 am Sunday	25.04.2018 11:29 am Sunday	1.2 hour						
24											
25											
26											
27											

g. Now in the “channel” sheet create two column headers named as:

“channel_name”

“channel_url”

Now insert your category id and category name. Follow the below image (zoom in for clear visual):

	A	B	C	D	E	F	G	H	I	J	K
1	channel_name	channel_url									
2	Oubec Tv	https://mmmedias.acl.teleguebec.tv/m3u8/29880.m3u8									
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

h. Now for the “programs” sheet create Five column headers named as:

“program_id”

“program_name”

“program_start_time”

“program_end_time”

“program_duration”

Now insert your TV channel names and other related data. Follow the below image (zoom in for clear visual):

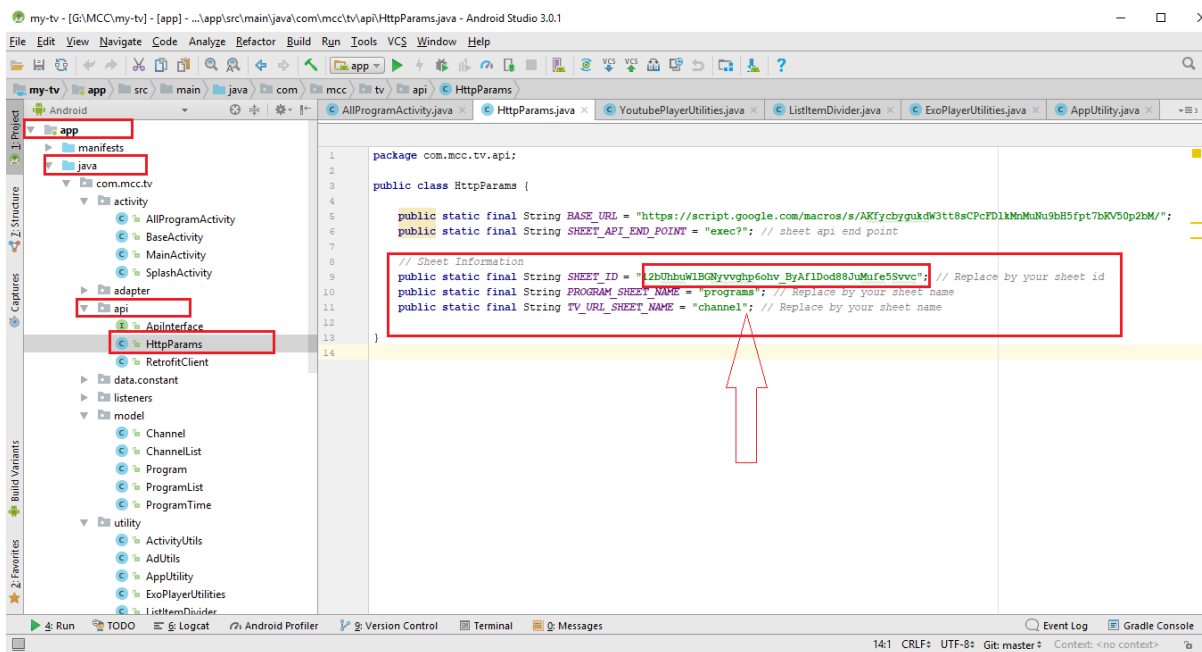
Go Back To Android Studio

1. Open your android studio and go to the following path:

app\src\main\java\com\mcc\mytv\Network\HttpParams.java

Now change **SHEET_ID** with your google sheet id.

Follow the below image (zoom in for clear visual):



Once again, thank you so much for purchasing this theme. If you have any feedback about our product please feel free to share [with us](#).

MCC Ltd