Technical Documentation for “Web to App | Native Universal Android WebView App with AdMob & Firebase PUSH Notification”

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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. Packages and Java Files
3. XML Files
4. Customization

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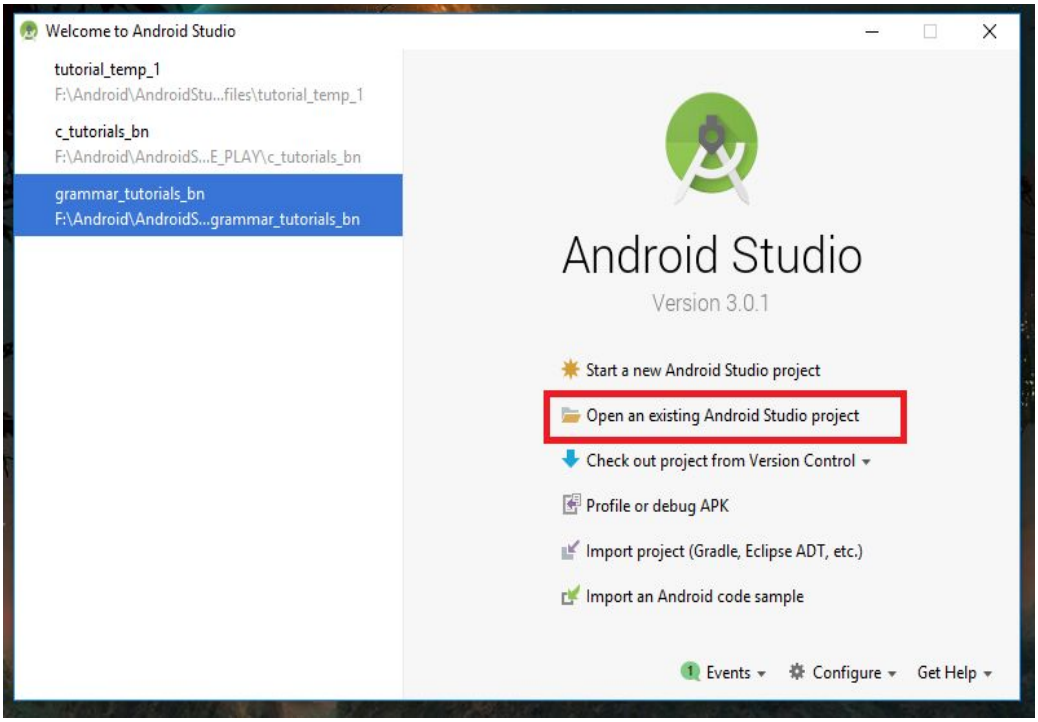
1. **Project Structure**

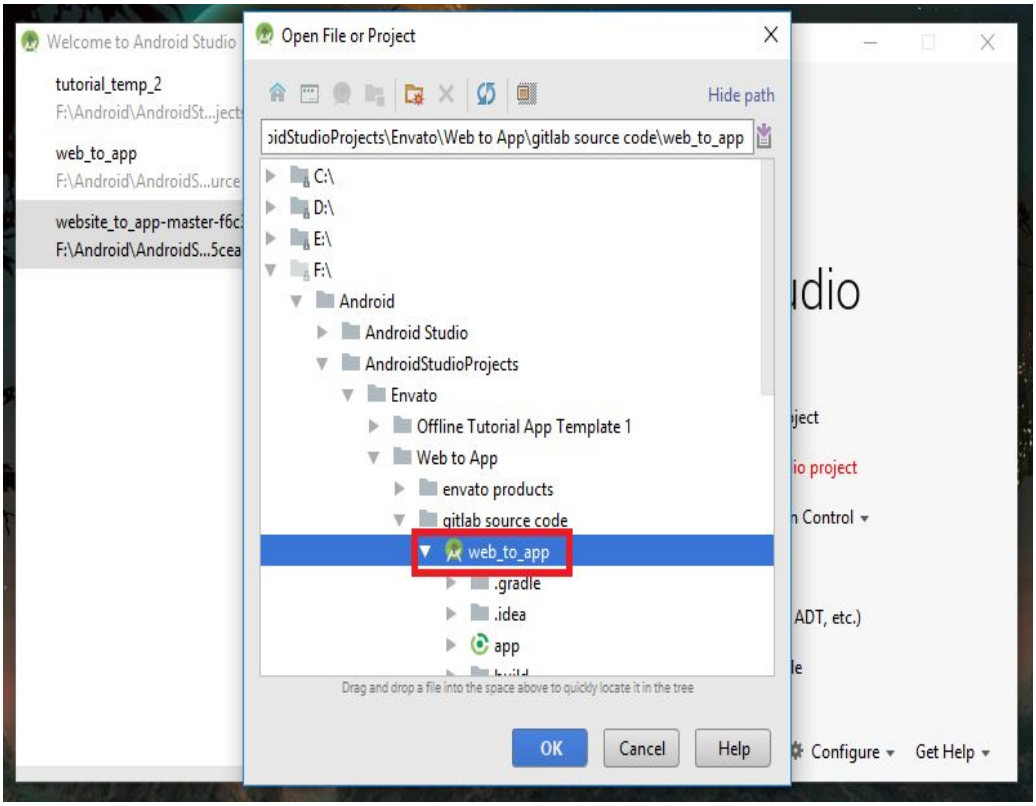
a. Video Tutorial: https://youtu.be/89ZvSHcqI0c?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d

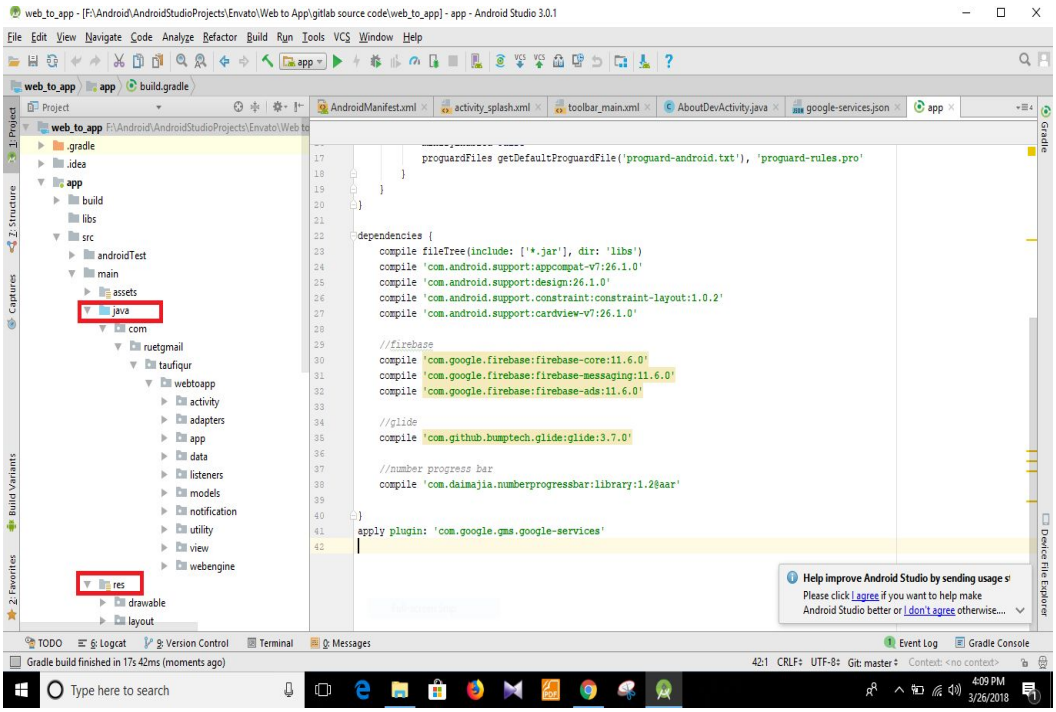
We made the project as simple as possible for better understanding. It contains few JAVA and XML file to customize. If you are new in Android Studio follow the instruction below to open project:

b. Guideline:

i. Download the project
ii. Follow the steps in the screenshots below-


Welcome to Android Studio
tutorial_temp_1
F:\Android\AndroidStu...files\tutorial_temp_1
c_tutorials_bn
F:\Android\AndroidS...E_PLAY\c_tutorials_bn
grammar_tutorials_bn
F:\Android\AndroidS...grammar_tutorials_bn
Android Studio
Version 3.0.1
Start a new Android Studio project
Open an existing Android Studio project
Check out project from Version Control
Profile or debug APK
Import project (Gradle, Eclipse ADT, etc.)
Import an Android code sample
Events
Configure
Get Help


Welcome to Android Studio
tutorial_temp_2
web_to_app
website_to_app-master-f6c
F:\Android\AndroidS...5cea
Open File or Project
Hide path
oidStudioProjects\Envato\Web to App\gitlab source code\web_to_app
C:\
D:\
E:\
F:\
Android
Android Studio
AndroidStudioProjects
Envato
Offline Tutorial App Template 1
Web to App
envato products
gitlab source code
web_to_app
.gradle
.idea
app
Drag and drop a file into the space above to quickly locate it in the tree
OK
Cancel
Help
Configure
Get Help



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

2. Packages and Java Files:

There are 10 different packages in that project and every package contains multiple files in an organized way.
Following are the major packages and classes....

Packages and classes:

- **Activity:** Contains all activities
    - AboutDevActivity
    - BaseActivity
    - CustomUrlActivity
    - MainActivity
    - NotificationDetailsActivity
    - NotificationListActivity
    - SettingsActivity
    - SplashActivity

- **Adapter:** Recycler View and View pager adapters are tighten up into this package.
    - NotificationAdapter

- **App:** App level constants are declared here.
    - MyApplication

- **Data:** This package contain 3 different sub package for different type of data management. Constants, Sharedpreferences and SQLite database has been organized under this package.
    - **constant**
        - AppConstant
    - **preference**
        - AppPreference
        - PrefKey
    - **sqlite**
        - DBConstants
        - DBHelper
        - NotificationDbController

- **Listeners**: All Recyclerview item and another listener are included here.
    - ListItemClickListener
    - WebListener

- **Models**: All the data model for content, question and notifications are tighten up into this package.
    - notification
        - NotificationModel

- **Notification:** Contains notification helper classes
    - MyFirebaseMessagingService

- **Utility:** Contains miscellaneous utilities.
    - ActivityUtilities
    - AdsUtilities
    - AnalyticsUtilities
    - AppUtilities
    - DateUtilities
    - DialogUtilities
    - FilePickerUtilities
    - PermissionUtilities

- **View:** Contains view related classes.

    - PhenomenaTextView

- **WebEngine:** Contains configuration classes for the webview.
    - VideoView
    - WebEngine

3. XML Files

Here is the major xmls files with usage

- **layout:** Contains activity, toolbar, list item and other layouts.
    - **activity_about_dev.xml**
    - **activity_custom_url.xml**
    - **activity_main.xml**
    - **activity_notification.xml**
    - **activity_notification_details.xml**
    - **activity_settings.xml**
    - **activity_splash.xml**
    - **content_banner_ad.xml**
    - **content_main.xml**
    - **content_notification.xml**
    - **content_notification_details.xml**
    - **item_notification.xml**
    - **layout_video_view.xml**
    - **toolbar.xml**
    - **toolbar_main.xml**
    - **view_common_loader.xml**
    - **view_notification.xml**
- **menu:** Contains drawer and search menus
    - **menu_main.xml**
- **xml:** Contains setting and searchable xml
    - **Settings_preference.xml**

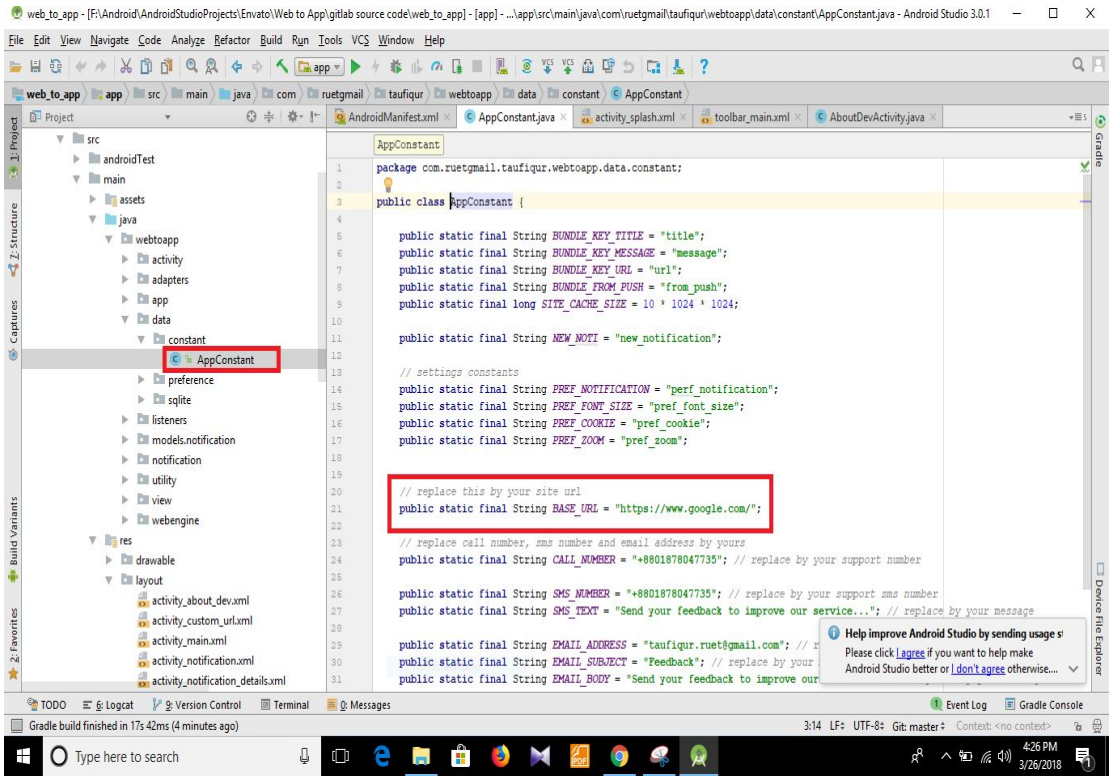
4. Customization

4.1 Change the site url:

a. **Video Tutorial:** https://youtu.be/Kxpyo0bJ82Y?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d

b. **Guideline:**

i. To change the default url by your site url, go to the '*AppConstant.java' file and replace the 'BASE_URL' string by yours as shown in the screenshot.*

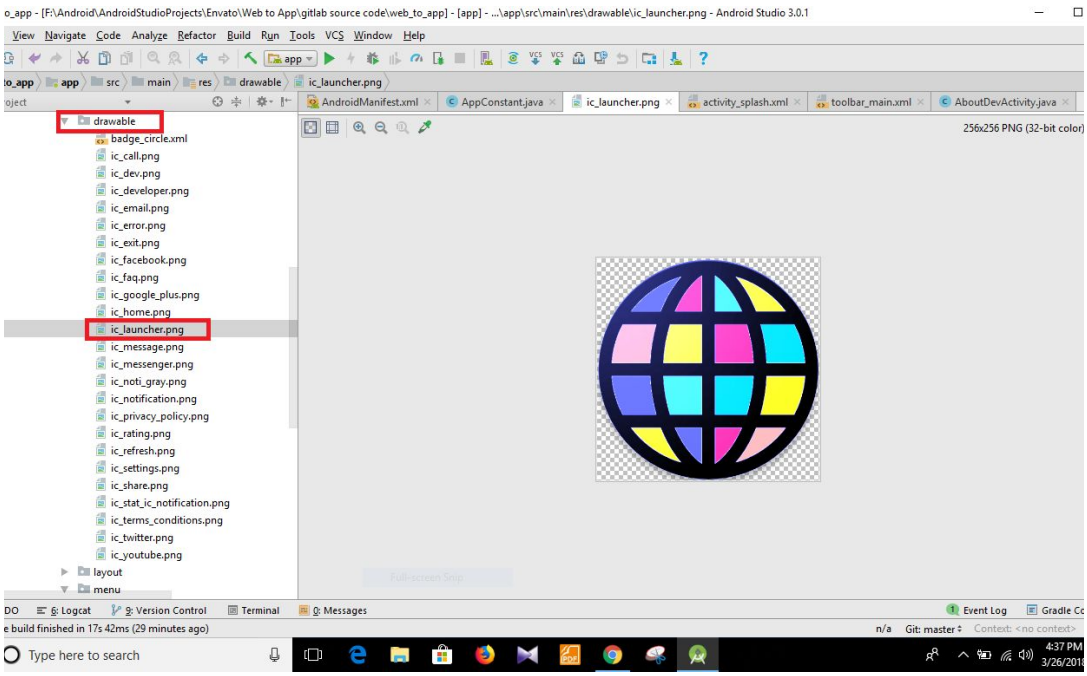


4.2. Change app icon:

a. **Video Tutorial:** https://youtu.be/ve433legTYo?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d

b. **Guidelines:**

i. To change any icons go to the drawable folder. For example - To change app icon replace the '*ic_launcher.png'* file by yours as shown in the screenshot-

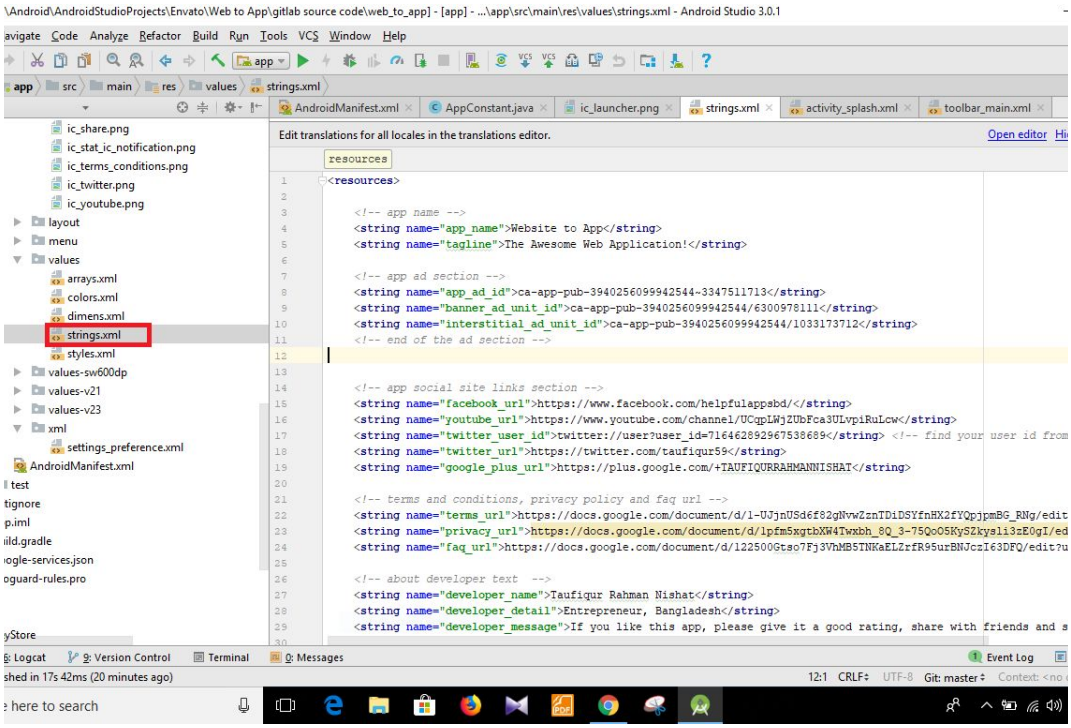


ii. To change developer picture, find '*ic_dev.png*'

4.3 Change the followings -

a. **App name**
b. **Ads units**
c. **Social site links**
d. **Terms and Conditions urls**
e. **About developer texts**
f. **Google Play Developer Id**

Video Tutorial: https://youtu.be/zjDABYUVp7w?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d
Guidelines: To change the items mentioned above, go to the '*strings.xml*' file as shown in the following screenshot and follow the instructions in it -



4.4 Change package name:

a. **Video Tutorial:** https://youtu.be/w_2i5GoNEiM?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d

b. **Guidelines:**

i. To change package name: https://stackoverflow.com/a/29092698

ii. Open google-services.json from **/app** directory Find **package_name** variables and replace those value by your package name

P.S: To remove the middle part, watch this video: https://youtu.be/lcKtkd7_Fvg

4.5 Configure push notification:

a. **Video Tutorial:** https://youtu.be/97X8HiLJVI0?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d

b. **Guidelines:**

i. **Create project in Firebase:**

1. Open https://console.firebase.google.com in browser, login via your gmail account
2. Click on **Add Project** option, provide project name and region and create project

3. Click on Add **Firebase to You Android App,** Provide **Package Name, App Name and** release **SHA1** of your release keystore.
4. Click on **Register App** and **Download Google-Service.json** and **Continue** and **Finish**

a. App modification

i. Paste google-service.json to /app directory (replace previous one)

ii. Customize **Project-level build.gradle** (<project>/build.gradle):

```
buildscript {
  dependencies {
    // Add this line
    classpath 'com.google.gms:google-services:3.1.0'
  }
}
```

iii. Customize **App-level build.gradle** (<project>/<app-module>/build.gradle):

```
...
// Add to the bottom of the file
apply plugin: 'com.google.gms.google-services'
```

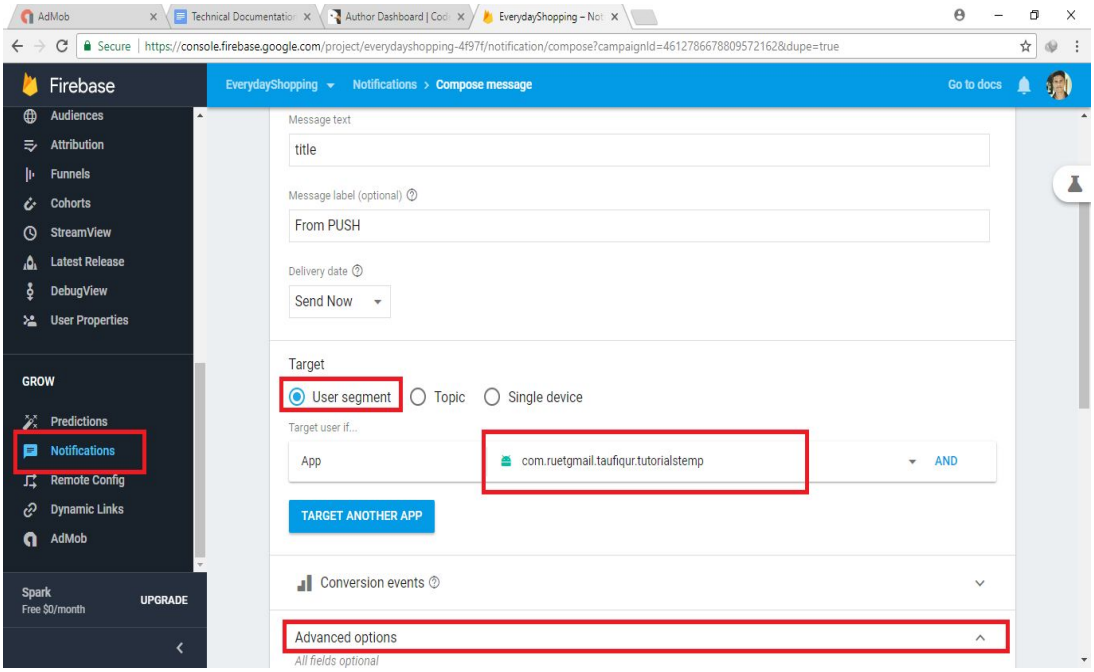
iv. Finally, press **"Sync now"** in the bar that appears in the IDE:

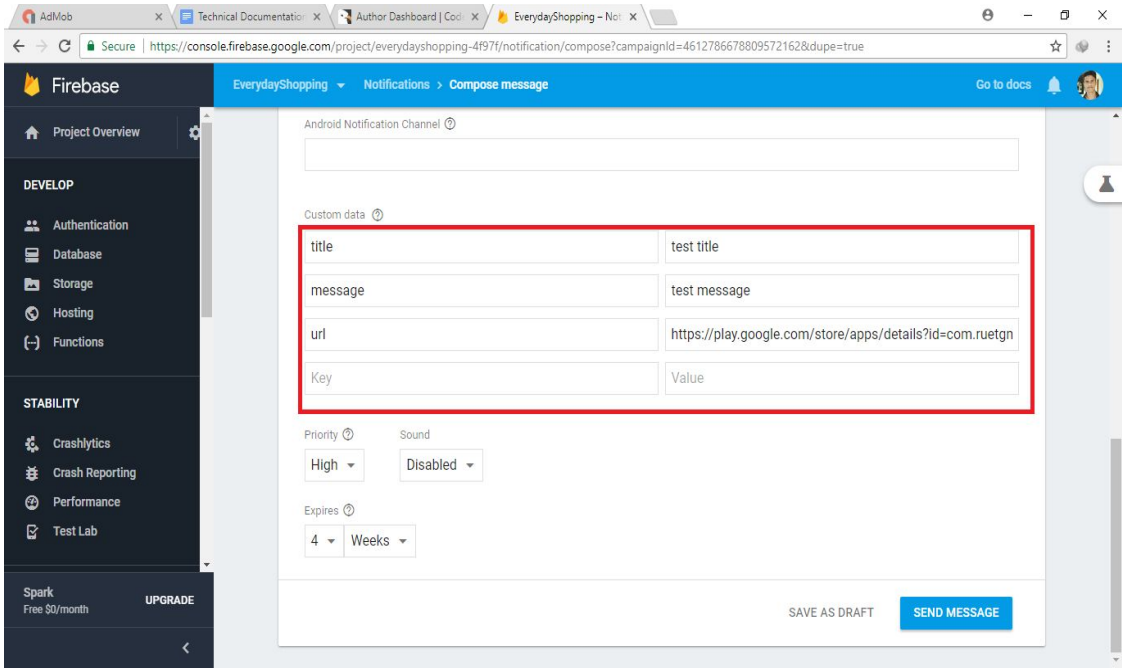
v. Run project and send push from hosted web console

b. Send PUSH from console:

i. To send PUSH notification from firebase console,

1. Log in to the console and select your project.
2. Go to the **Notifications** option.
3. Create a new notification
4. You must have to select **Advanced Options** to set custom data
5. Configure it as shown in the screenshots and send it -





Send PUSH Notification from Custom Dashboard:

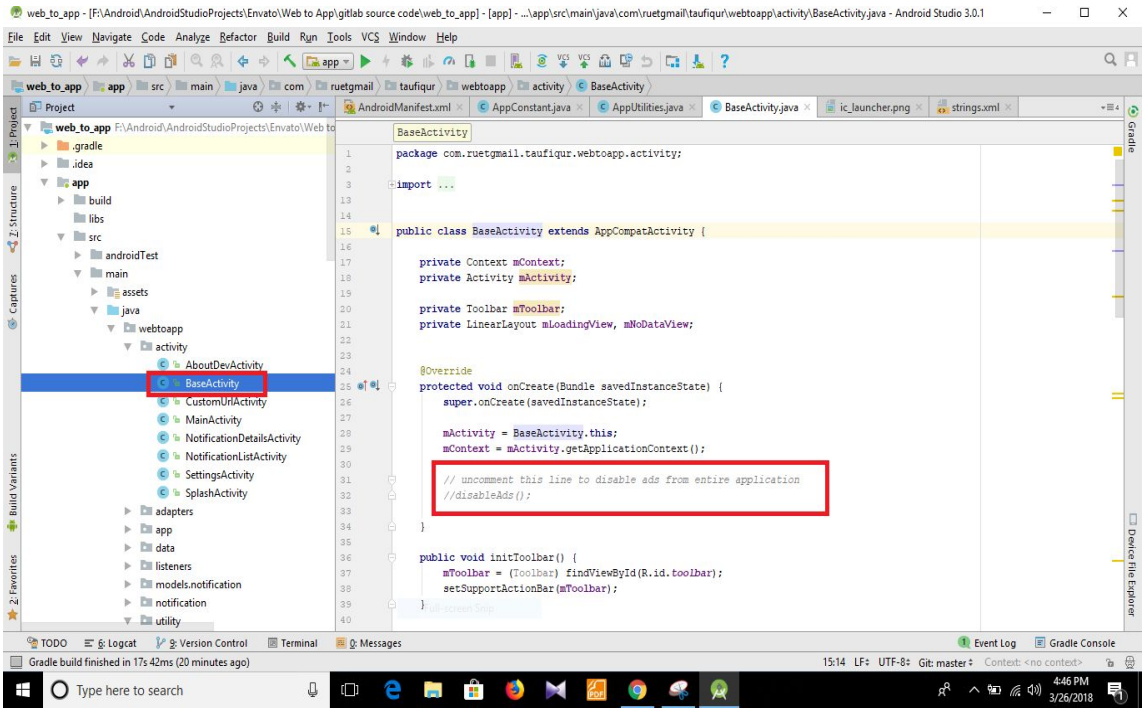
a. **Download Push Dashboard from here: [Push Dashboard]**

b. **Setup video: https://youtu.be/1mZ8JJMZP3k?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d**

4.6 Remove Ads from the entire Application:

a. **Video Tutorial:** https://youtu.be/px_4emIaVGg?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d

b. **Guidelines:** To remove AdMob Ads, open '*BaseActivity.java'* file and follow the procedure indicated in the file as shown in the following screenshot-



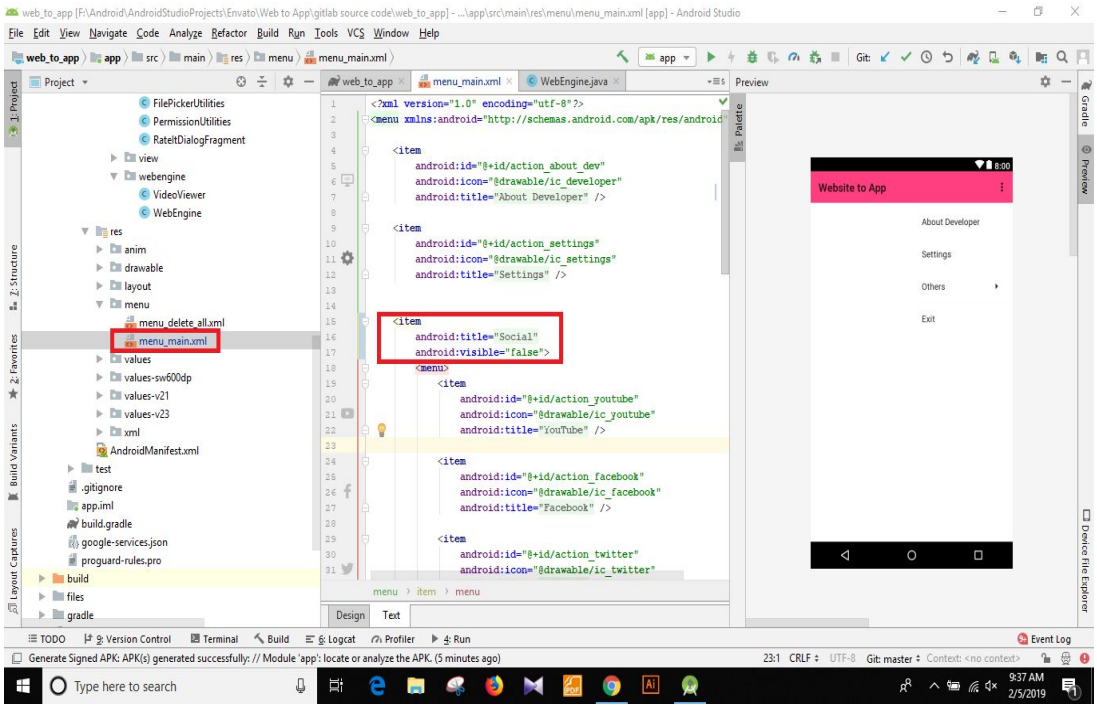
4.7 Remove Menu Items:

a. **Guidelines:** To remove menu items, open '*menu_main.xml'* file and insert the following code into the corresponding item -

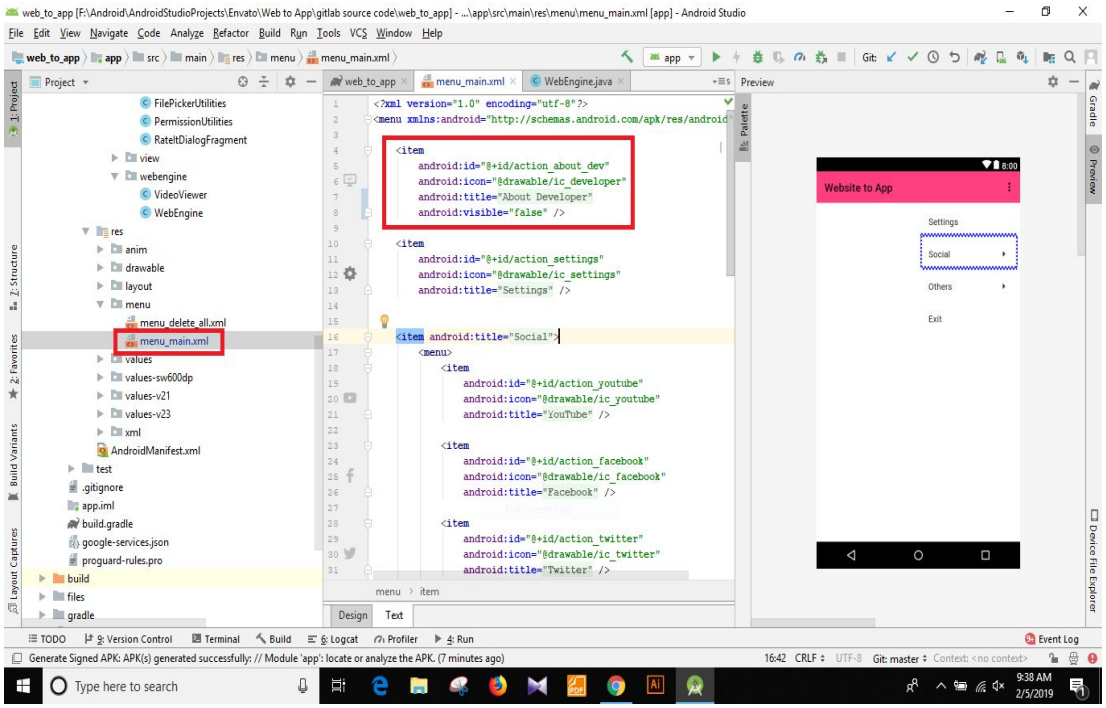
```
android:visible="false"
```

For example -

1. To remove entire 'Social' menu -



2. To remove a single menu item -



This documentation was prepared by - **Loser LEO**

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