

Technical Documentation for “ABlogZ | Native Android Blog or News App”

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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](#).

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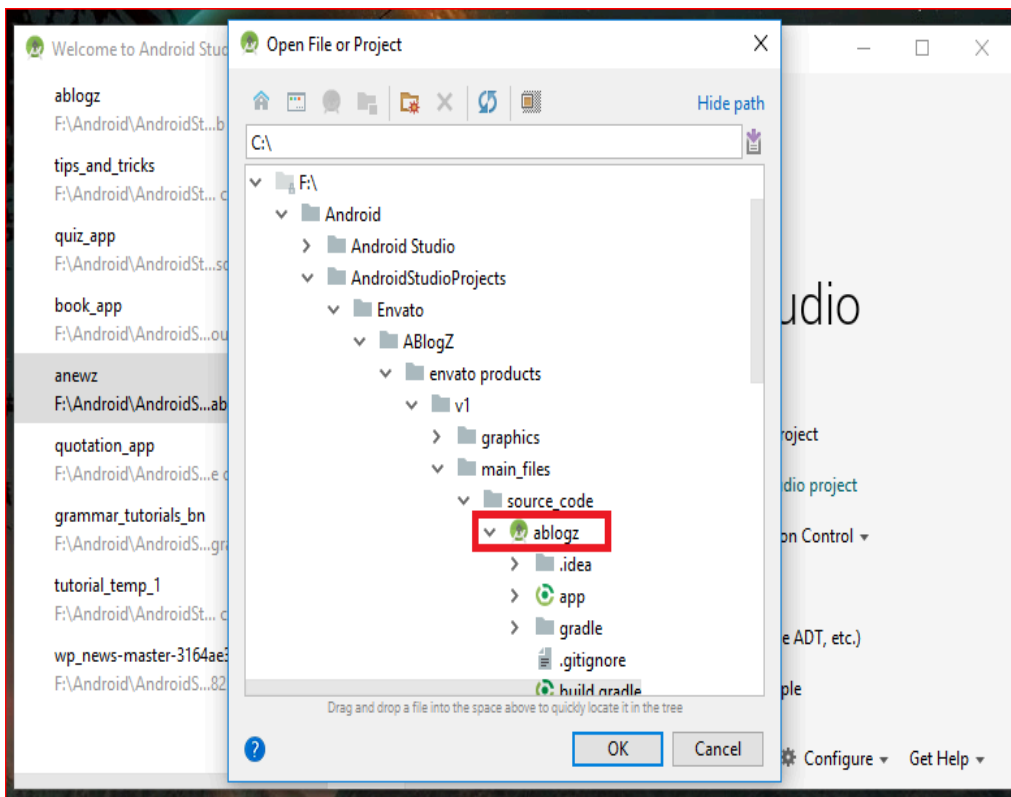
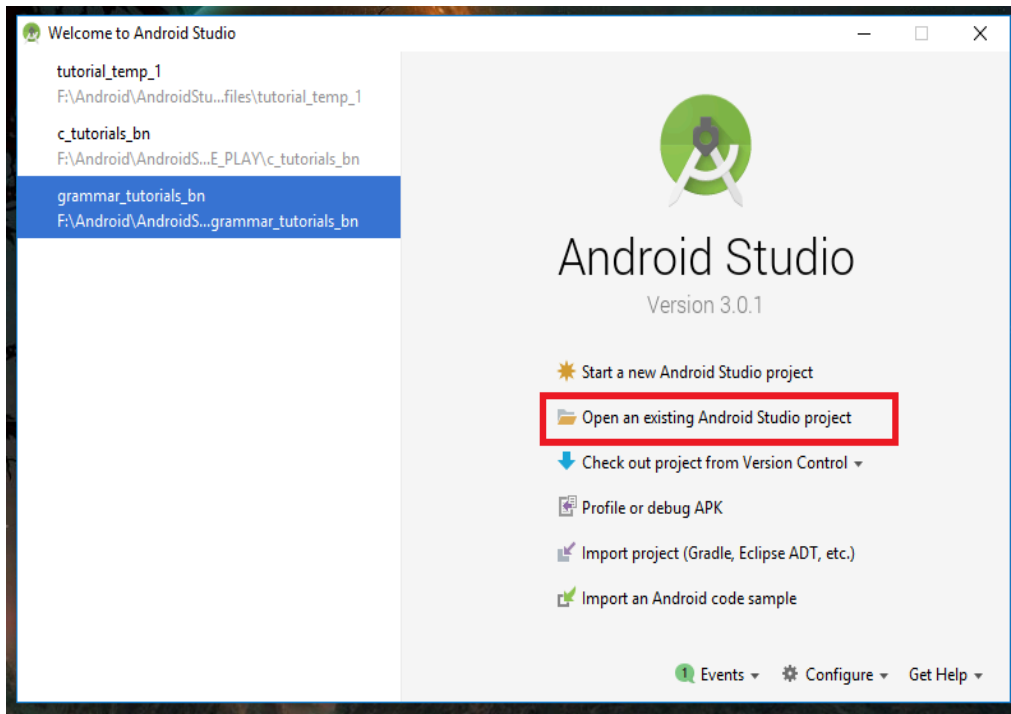
1. Project Structure

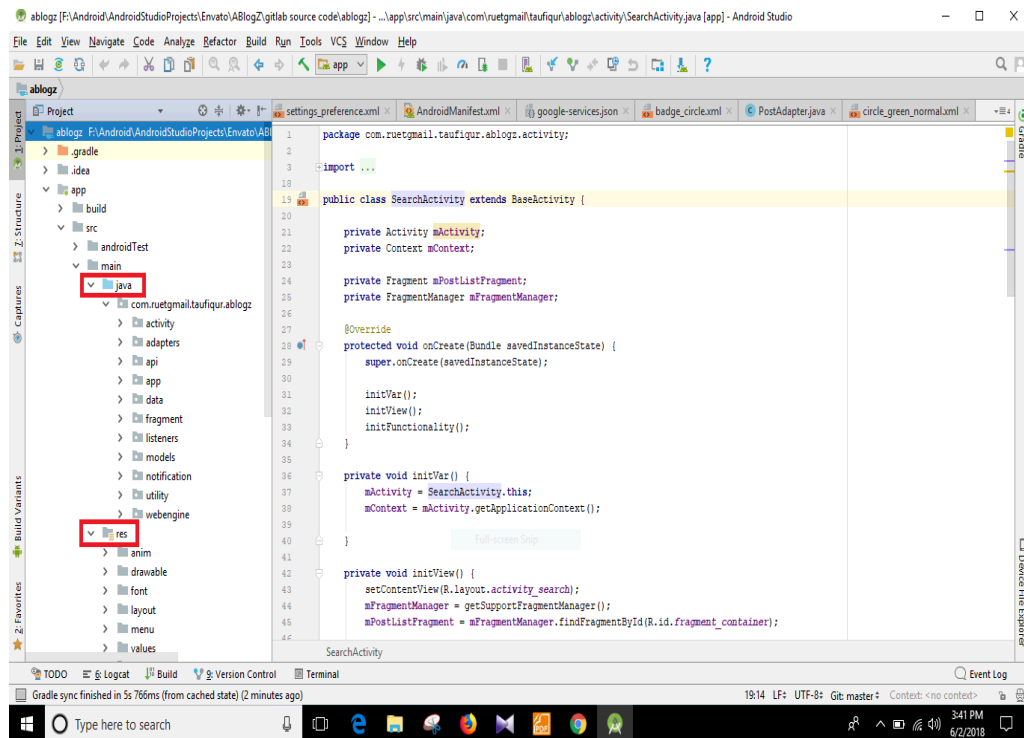
a. Video Tutorial: https://youtu.be/WKH2A7KTpLw?list=PL_4v6TqUdcY6ZJQJlzx7YKZVzHAWVmywB

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-





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 11 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
 - CommentListActivity
 - CustomUrlActivity
 - FavoriteListActivity
 - MainActivity
 - NotificationDetailsActivity
 - NotificationListActivity
 - PostDetailsActivity
 - SearchActivity

- SettingsActivity
- SplashActivity
- **Adapter:** Recycler View and View pager adapters are tighten up into this package.
 - CategoryPagerAdapter
 - CommentAdapter
 - FavoriteAdapter
 - NotificationAdapter
 - PostAdapter
- **API:** WP REST API and retrofit related parameters are declared here.
 - ApiInterface
 - ApiUtilities
 - HttpParams
- **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
 - FavoriteDbController
 - NotificationDbController
- **fragment:** All fragments can be found here.
 - PostListFragment
- **Listeners:** All Recyclerview item and another listener are included here.
 - ListItemClickListener
 - WebListener

- **Models:** All the data model for content, bookmark and notifications are tighten up into this package.
 - category
 - Category
 - comment
 - AuthorAvatar
 - CommentLink
 - Comments
 - favorite
 - FavoriteModel
 - notification
 - NotificationModel
 - post
 - Content
 - Embedded
 - FullSize
 - Links
 - MediaDetails
 - Post
 - PostDetails
 - Sizes
 - Title
 - WpFeaturedMedia
- **Notification:** Contains notification helper classes
 - MyFirebaseMessagingService
- **Utility:** Contains miscellaneous utilities.
 - ActivityUtilities
 - AdsUtilities
 - AnalyticsUtilities
 - AppUtilities
 - CommentDialogUtilities
 - DateUtilities
 - DialogUtilities
 - FilePickerUtilities
 - PermissionUtilities

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

3. XML Files

Here is the major xmls files with usage

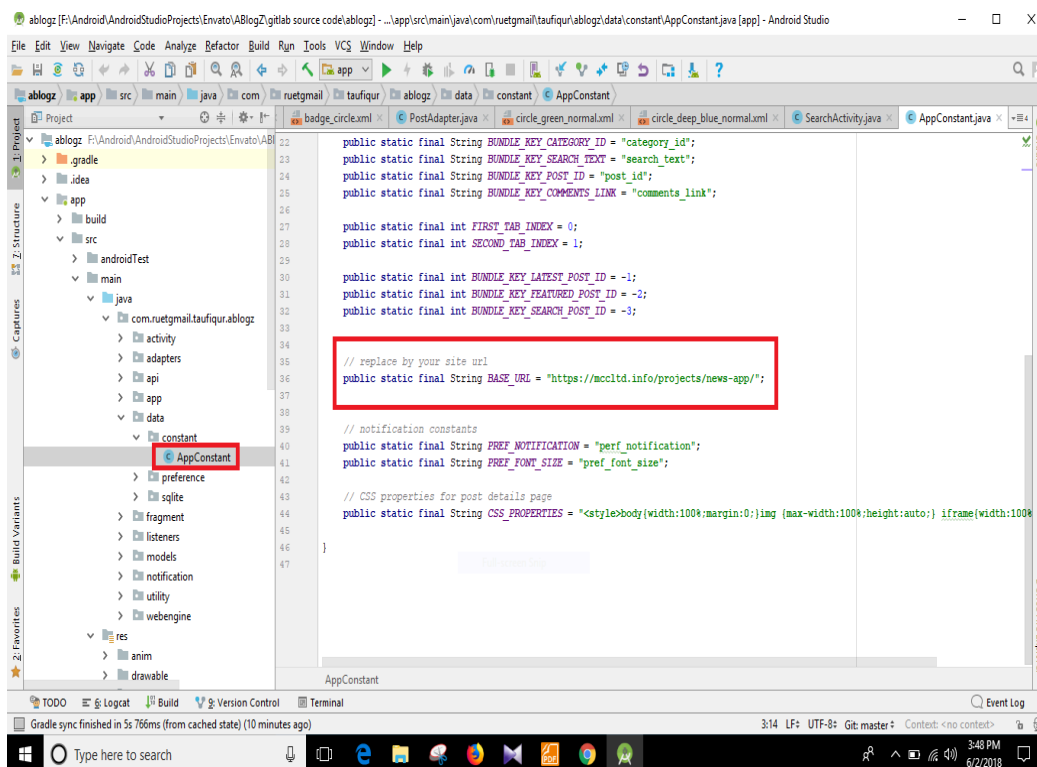
- **layout:** Contains activity, toolbar, list item and other layouts.
 - [activity_about_dev.xml](#)
 - [activity_comment_list.xml](#)
 - [activity_custom_url.xml](#)
 - [activity_favorite.xml](#)
 - [activity_main.xml](#)
 - [activity_notification.xml](#)
 - [activity_notification_details.xml](#)
 - [activity_post_details.xml](#)
 - [activity_search.xml](#)
 - [activity_settings.xml](#)
 - [activity_splash.xml](#)
 - [content_banner_ad.xml](#)
 - [content_main.xml](#)
 - [content_notification.xml](#)
 - [content_notification_details.xml](#)
 - [fragment_comment_dialog.xml](#)
 - [fragment_custom_dialog.xml](#)
 - [fragment_post_list.xml](#)
 - [item_comment_list.xml](#)
 - [item_favorite_list.xml](#)
 - [item_notification.xml](#)
 - [item_post_list.xml](#)
 - [layout_progress.xml](#)
 - [layout_video_view.xml](#)
 - [nav_header_main.xml](#)
 - [toolbar.xml](#)
 - [toolbar_main.xml](#)
 - [view_common_loader.xml](#)

- **menu:** Contains drawer and search menus
 - [menu_delete_all.xml](#)
 - [menu_details.xml](#)
 - [menu_drawer.xml](#)
 - [menu_new_comment.xml](#)
 - [menu_search.xml](#)
- **xml:** Contains setting and searchable xml
 - [searchable.xml](#)
 - [settings_preference.xml](#)

4. Customization

4.1 Change the site url:

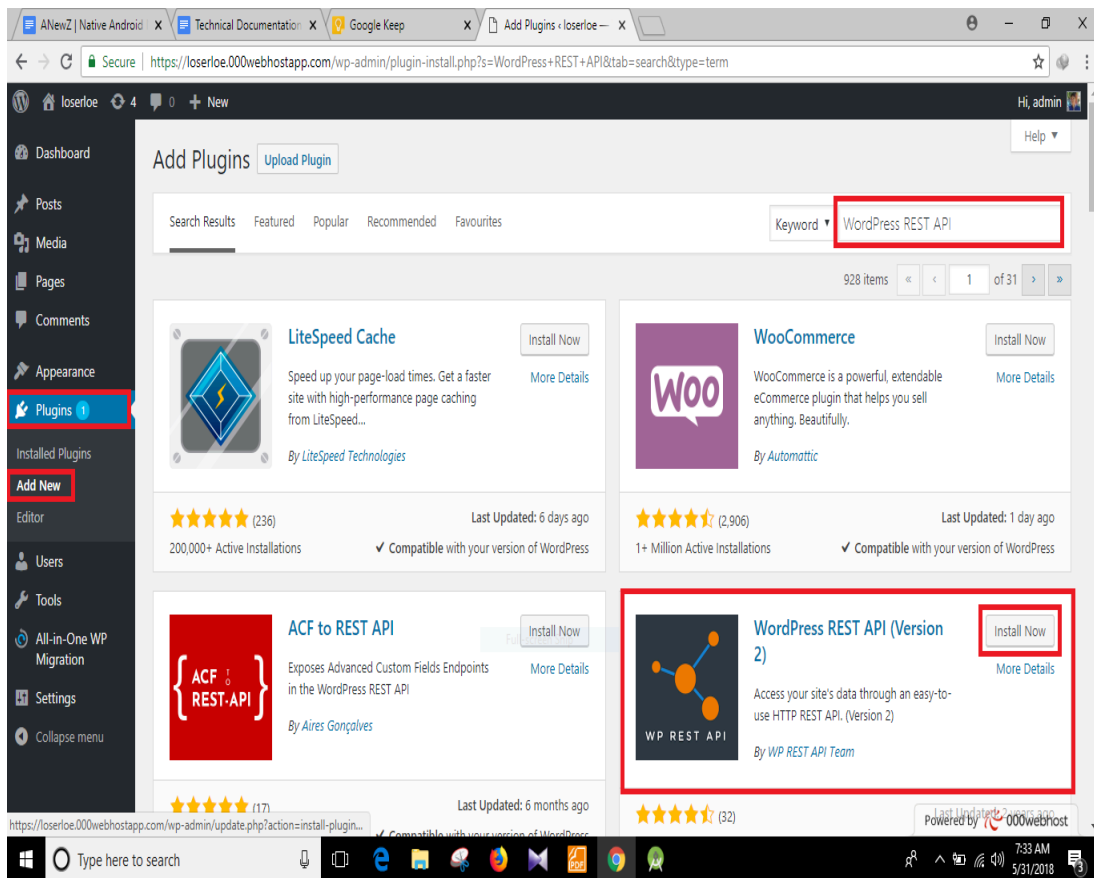
- Video Tutorial:** https://youtu.be/Kxpyo0bJ82Y?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d
- Guideline:**
 - To change the default url by your site url, go to the '*AppConstant.java*' file and replace the '*BASE_URL*' string by yours as shown in the screenshot.



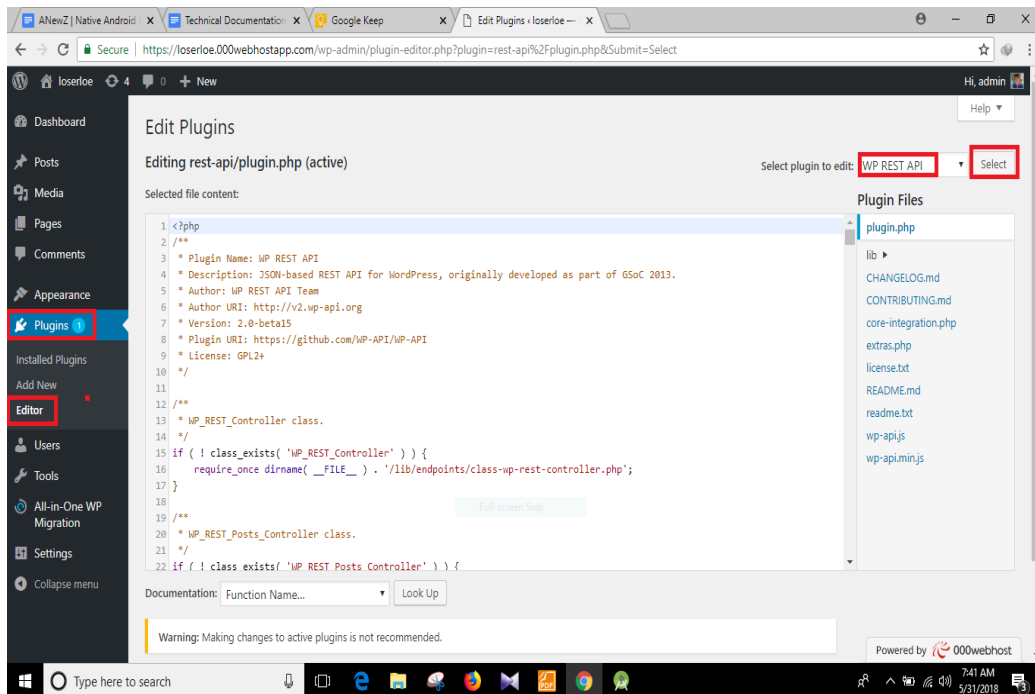
4.2. WordPress Dashboard Settings:

a. Guidelines:

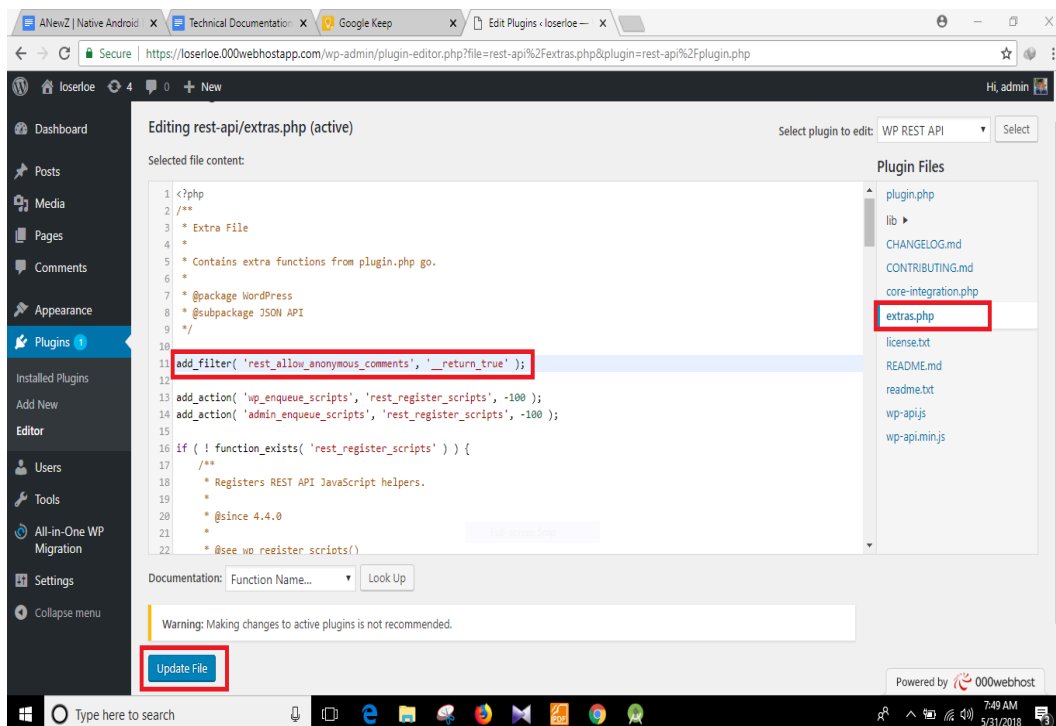
- i. At first, Install WordPress in your site. To install WordPress in an existing website, check out this [video](#)
- ii. Go to WordPress Dashboard > Plugins > Add New > Search for '**WordPress REST API**' > Install Now > Activate



- iii. Go to WordPress Dashboard > Plugins > Editor > Select plugin to edit (Select WP REST API) > Select

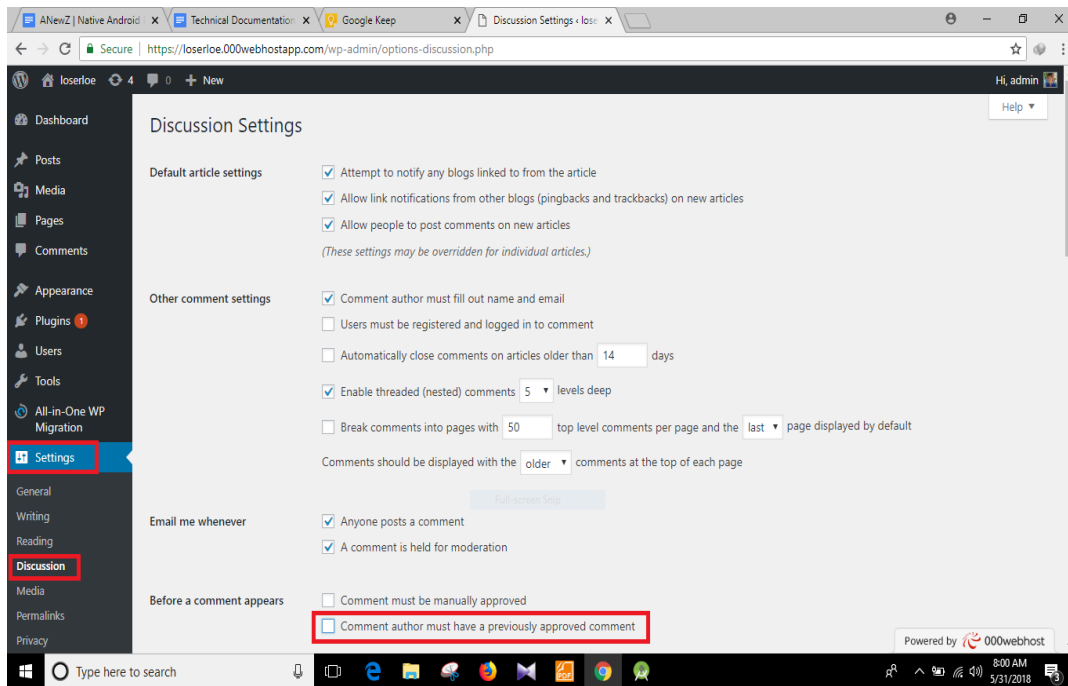


Then, in this window, select 'extras.php' > put the filter code as shown in the screenshot and then click Update File

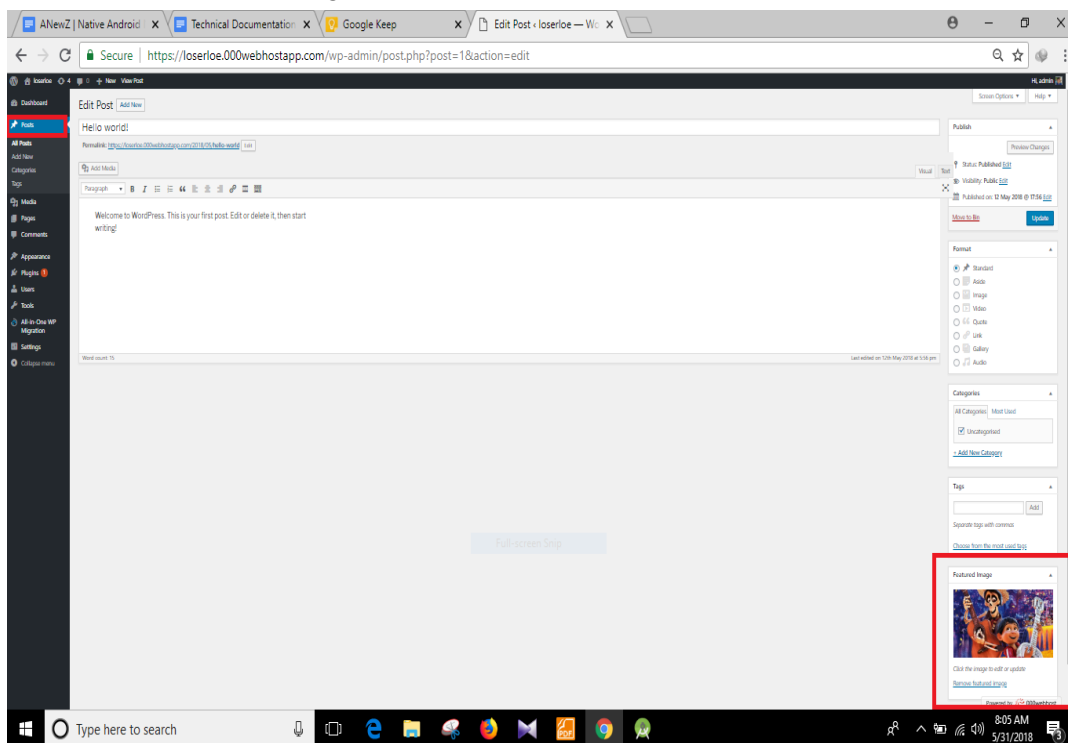


Filter Code: `add_filter('rest_allow_anonymous_comments', '__return_true');`

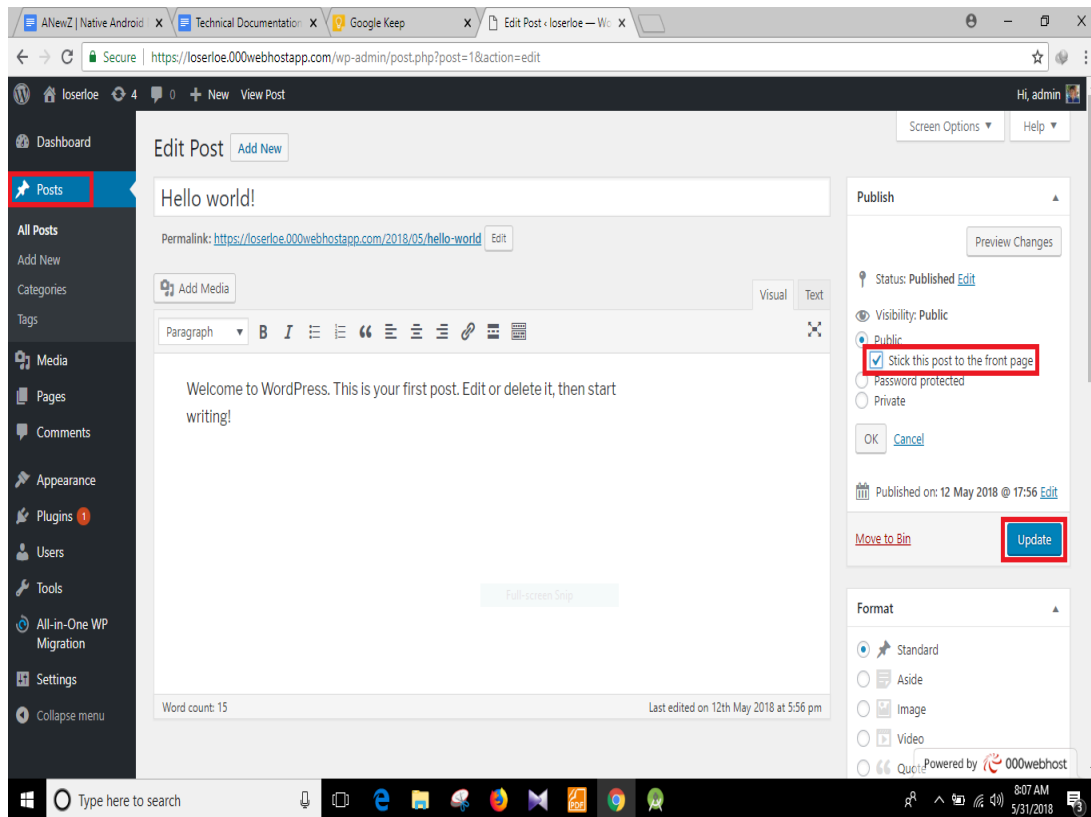
- iv. Go to WordPress Dashboard > Settings > Discussion > Deselect Previously Approved Comment > Save Changes (can be found at the bottom of the page)



- v. Set Featured Image to each post



vi. To see items in the Featured Tab of the app, make some posts sticky

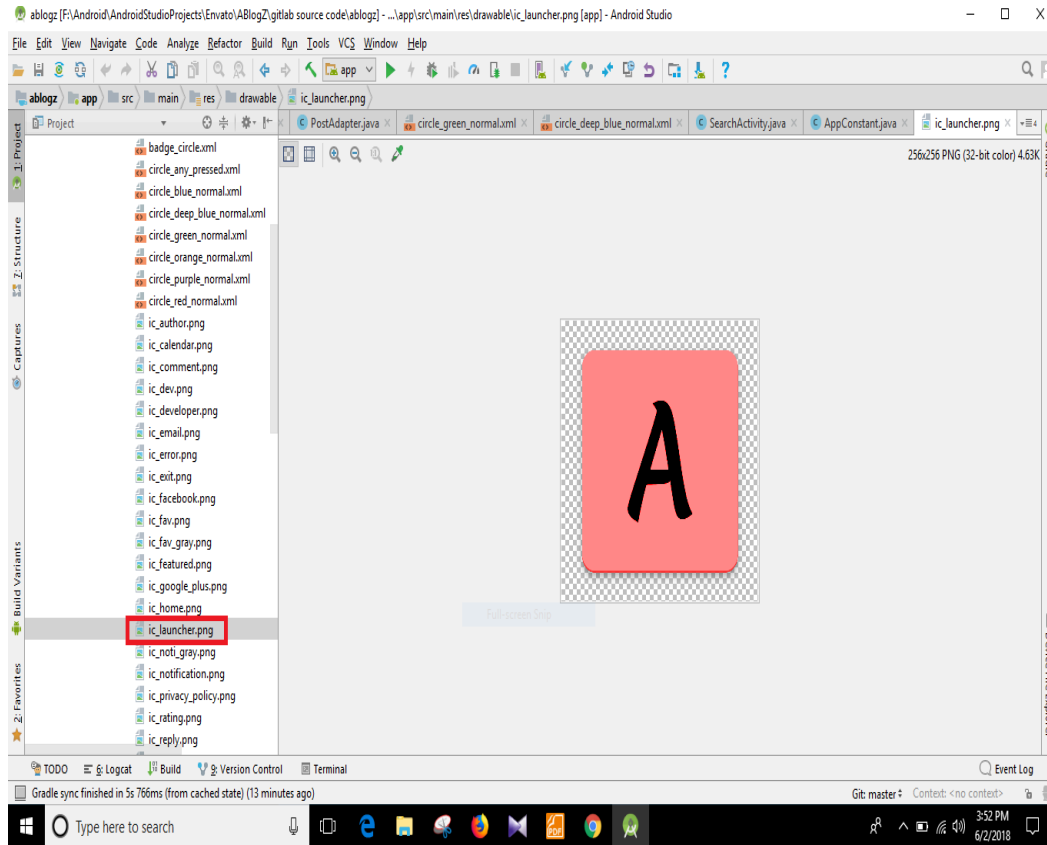


4.3. Change app icon:

b. Video Tutorial: https://youtu.be/xBtTZYOOfLg?list=PL_4v6TqUdcY6ZJQJlzx7YKZVzHAWVmywB

c. 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-



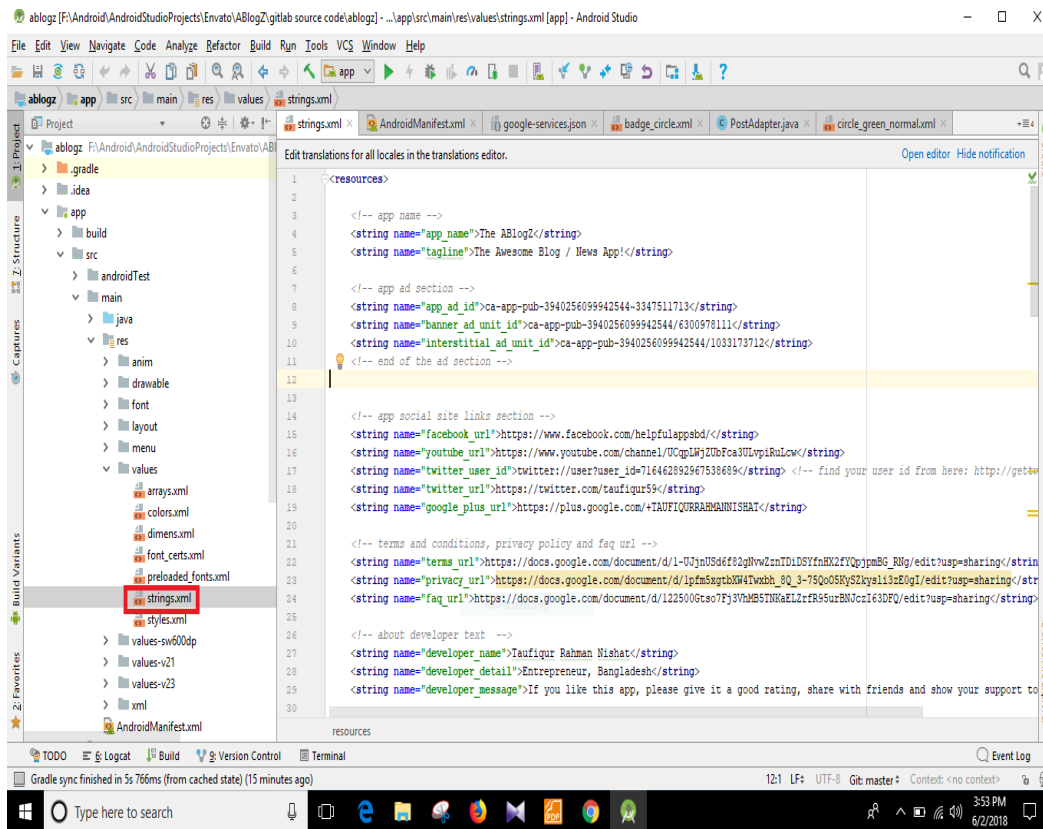
ii. To change developer picture, find '*ic_dev.png*'

4.4 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/Dqq3TXkw5Nw?list=PL_4v6TqUdcY6ZJQJlzx7YKZVzHAWVmywB

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 -



4.5 Change package name:

a. Video Tutorial: https://youtu.be/gaSifqCP2HA?list=PL_4v6TqUdcY6ZJQJlzx7YKZVzHAWVmywB

b. Guidelines:

- To change package name: <https://stackoverflow.com/a/29092698>
- 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

4.6 Configure push notification:

a. **Video Tutorial:** https://youtu.be/lnA2XFPk874?list=PL_4v6TqUdcY6ZJQJlzx7YKZVzHAWVmywB

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'  
    }  
}
```

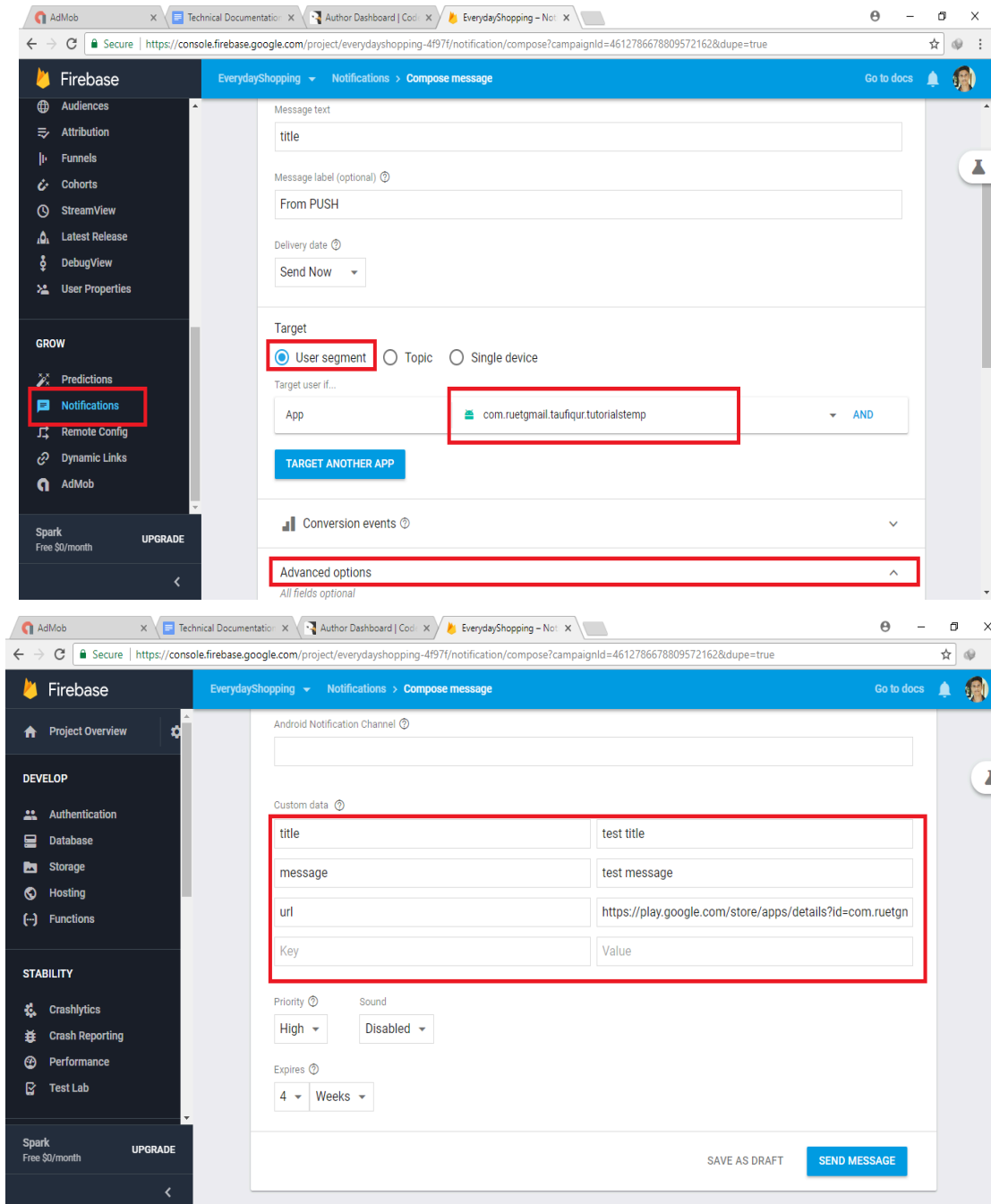
- iii. Customize **App-level build.gradle**
(<project>/<app-module>/build.gradle):

```
...  
// 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 -

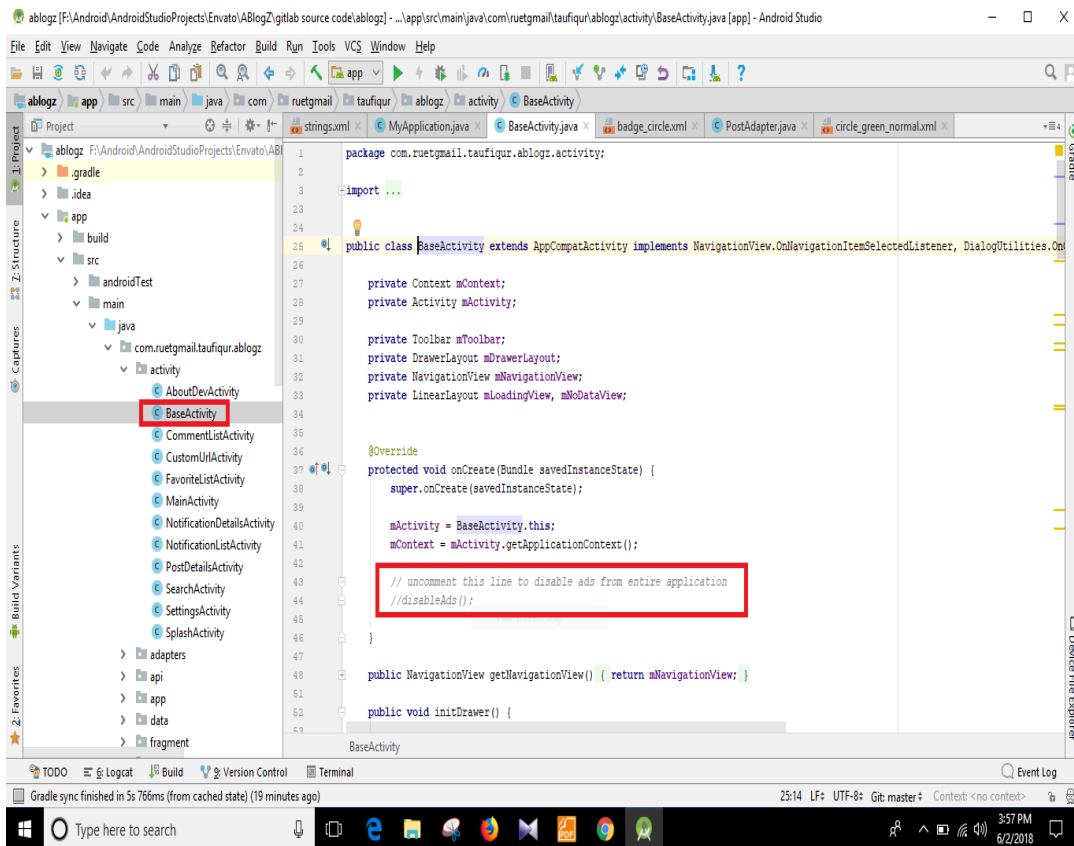


Send PUSH Notification from Custom Dashboard:

- Download Push Dashboard from here:** [Push Dashboard](#)
- Change Subscribe to Topic:** Open 'push.php' and replace 'webtoappnotification' by 'ablogzappnotification'
- Setup video:** https://youtu.be/1mZ8JJMZP3k?list=PL_4v6TqUdcY7T7fMnZu42UOkylv6h0k8d

4.7 Remove Ads from the entire Application:

- Video Tutorial:** https://youtu.be/Silwch-Vhlg?list=PL_4v6TqUdcY6ZJQJlzx7YKZVzHAWVmywB
- Guidelines:** To remove AdMob Ads, open 'BaseActivity.java' file and follow the procedure indicated in the file as shown in the following screenshot-



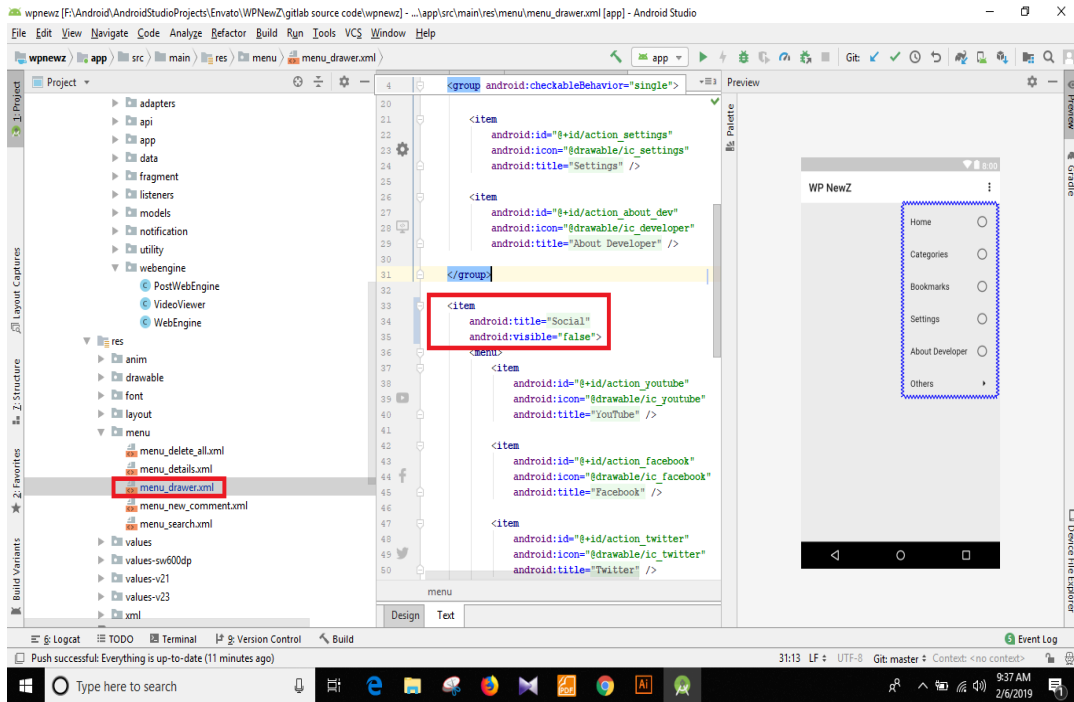
4.8 Remove Navigation Drawer Menu Items:

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

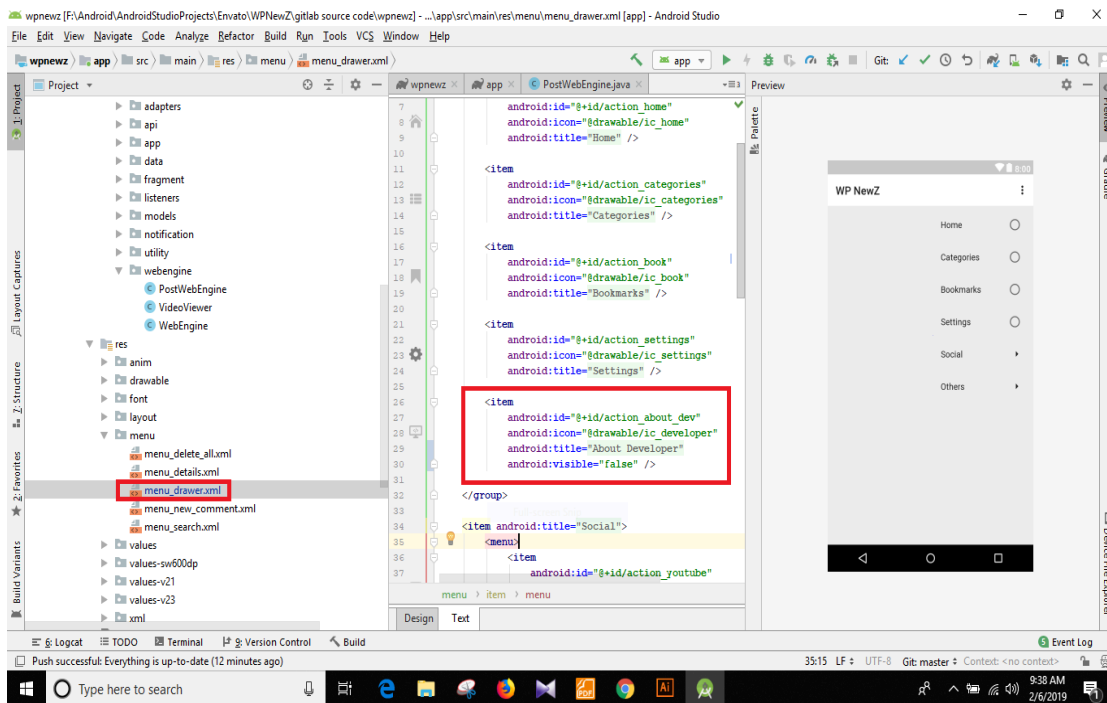
`android:visible="false"`

For example -

- To remove entire 'Social' menu -

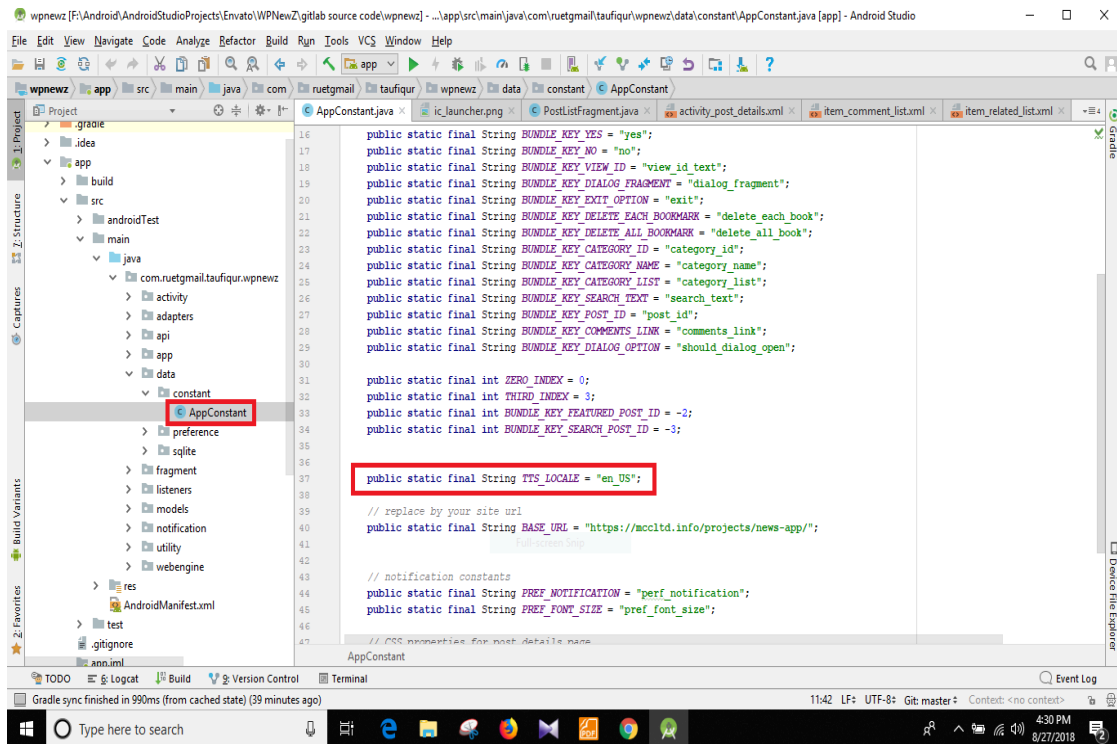


2. To remove a single menu item -



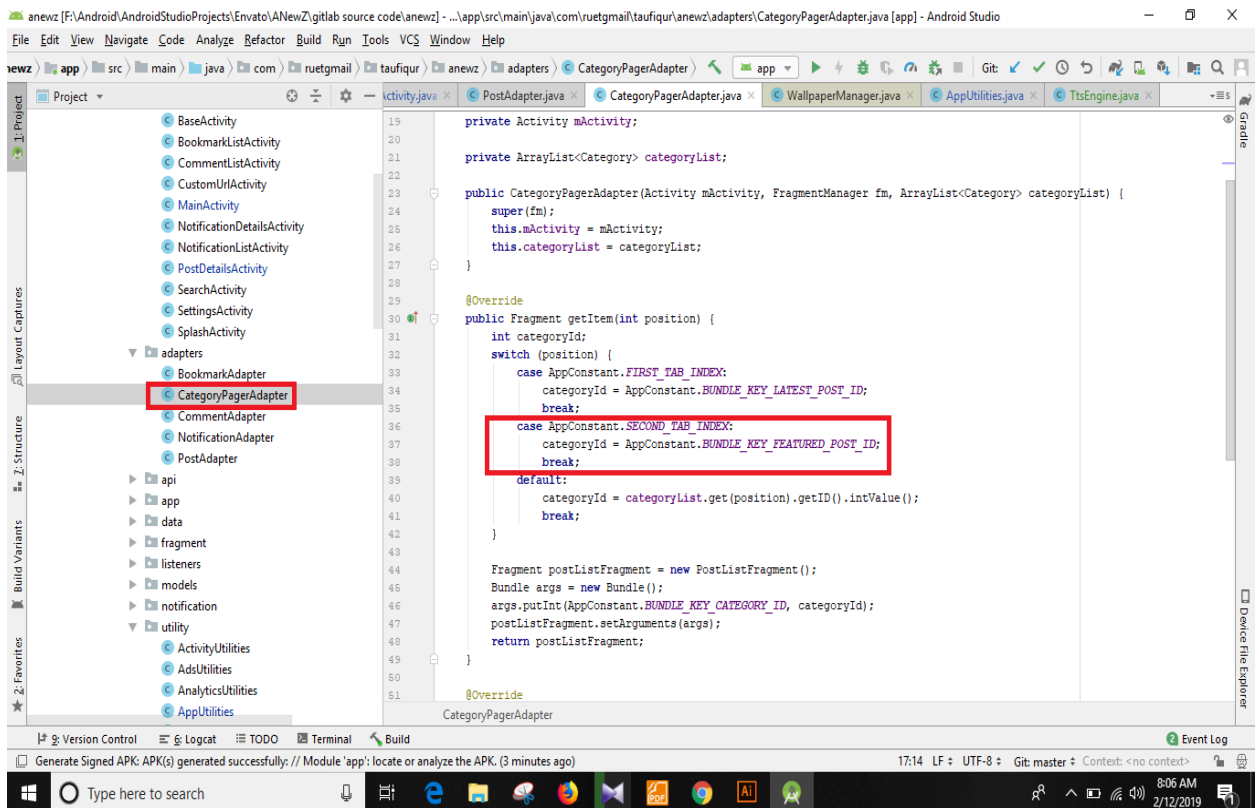
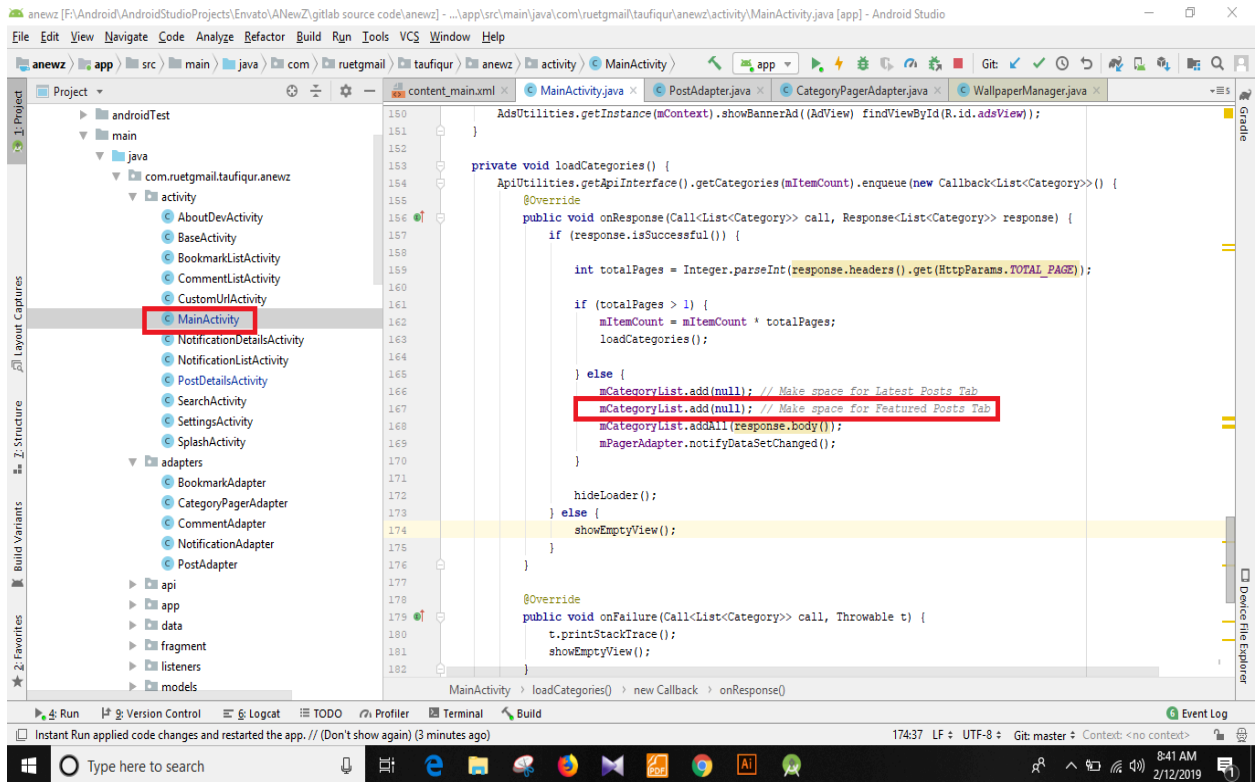
4.9 Change Text to Speech Language:

Guidelines: To change the language of the voice engine, open '*AppConstant.java*' file and replace the language code by yours as shown in the screenshot. To get the language code, go to this site: <https://cloud.google.com/speech-to-text/docs/languages>



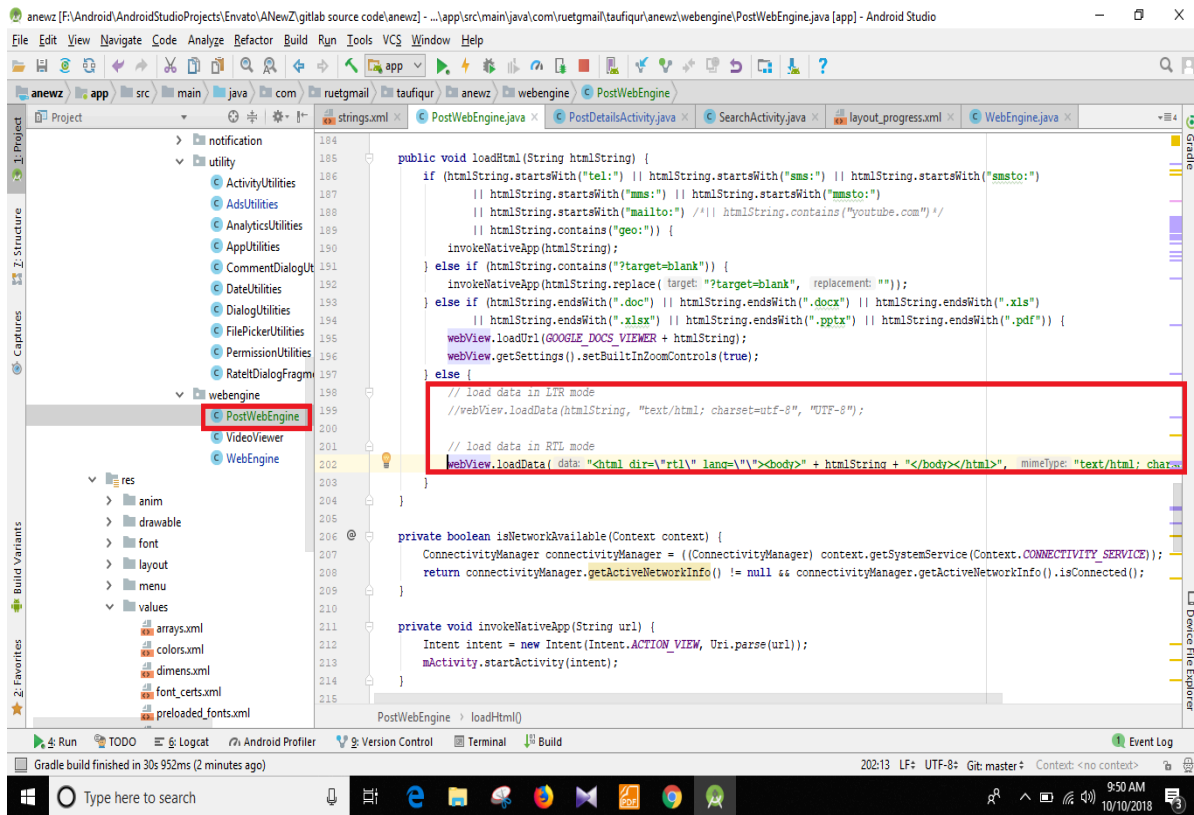
4.10 Remove 'Featured Posts' Tab:

Guidelines: To remove 'Featured Posts' tab from the app, remove the marked sections as shown in the following screenshots -



4.11 Making the App fully RTL Arabic supported:

Guidelines: We already made the necessary changes for rtl arabic support. However, if you want to make your app fully and only in rtl arabic language, you also need to make a few changes. Just open the '*PostWebEngine.java*' and uncomment the code for loading data in rtl mode as shown in the below screenshot -



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

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