

To be honest I did but have not find the point that answers my question. Could you please be so kiTechnical Documentation for “**Blog and News app for WordPress Site**” prepared by “**MCC Ltd**”

Technical Documentation for “Blog and News app for WordPress Site”

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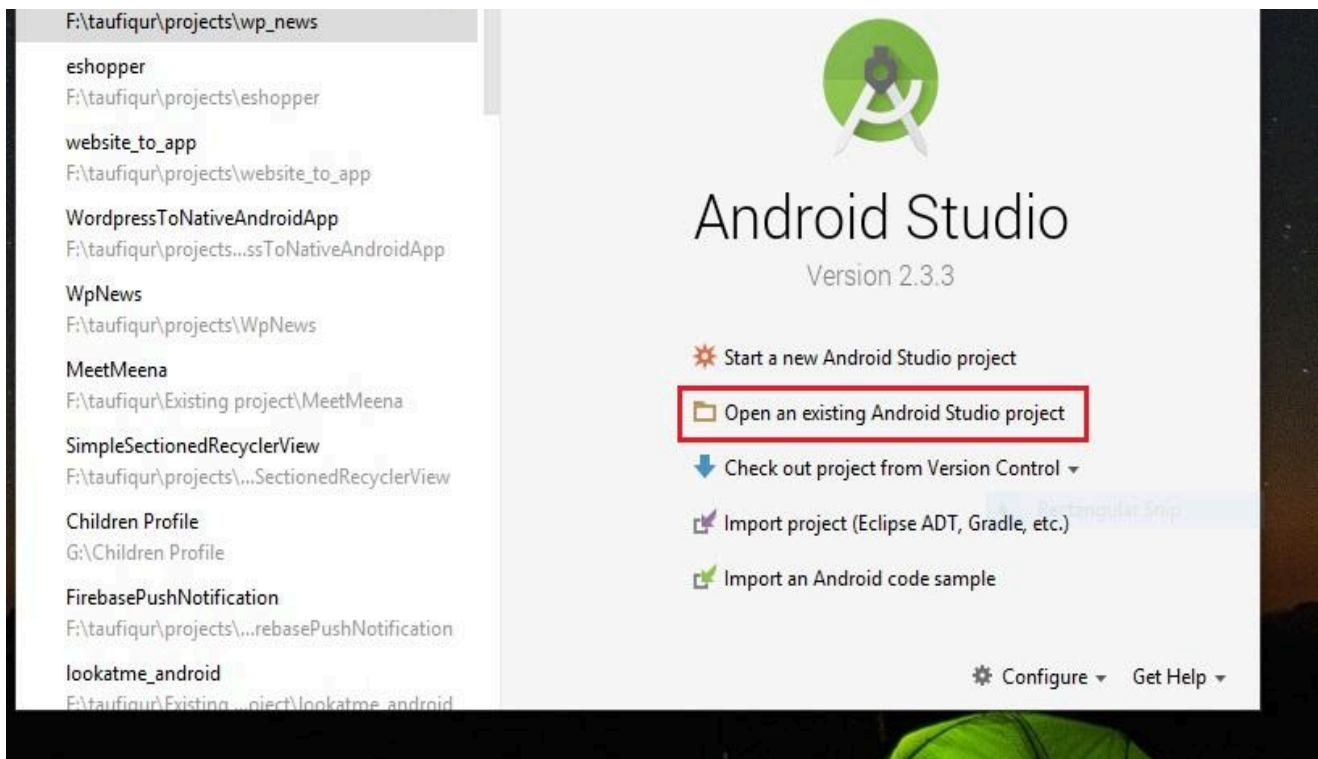
Thank you for purchasing our item. If you have any questions that are beyond the scope of this help file, please feel free to [Email US](#).

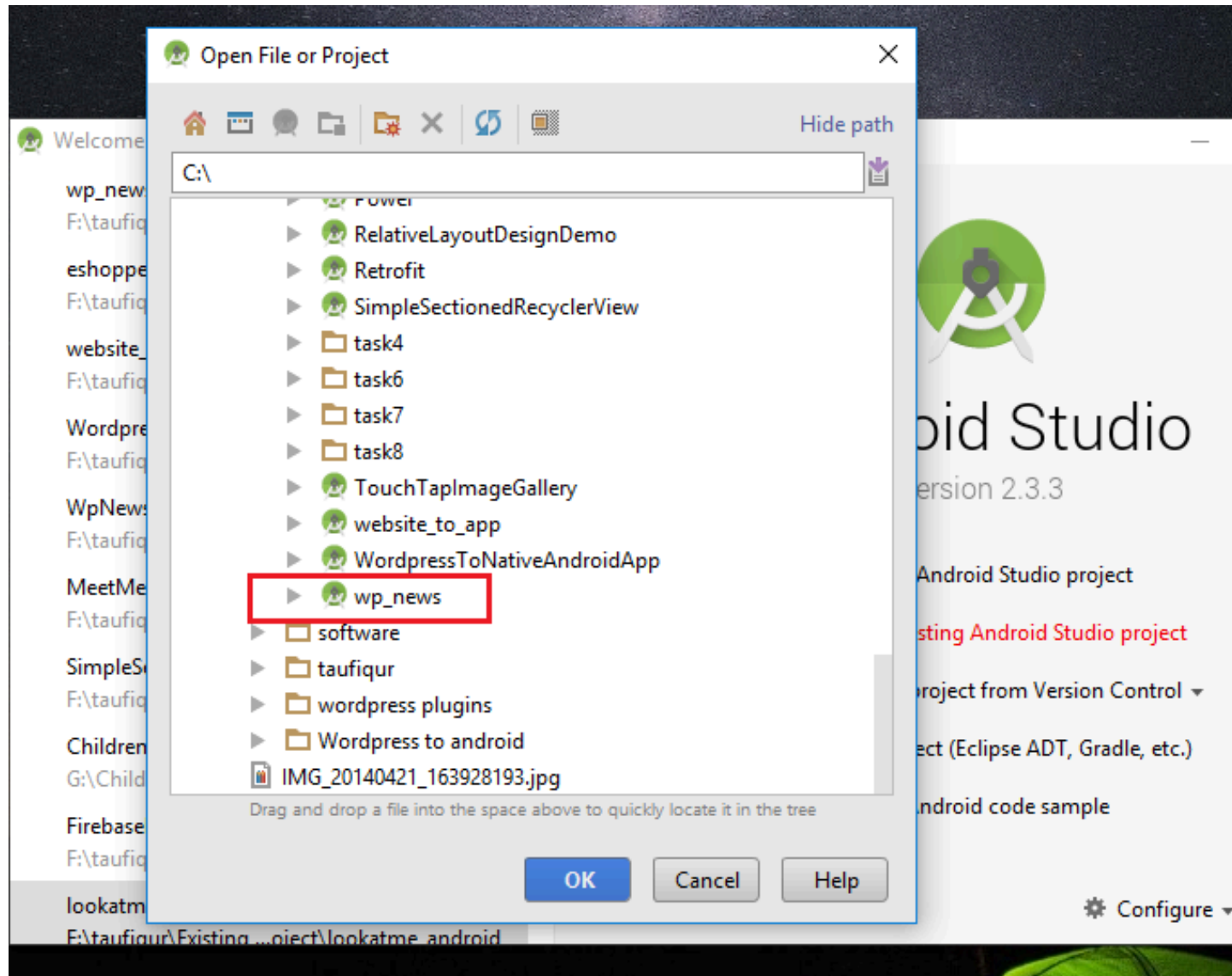
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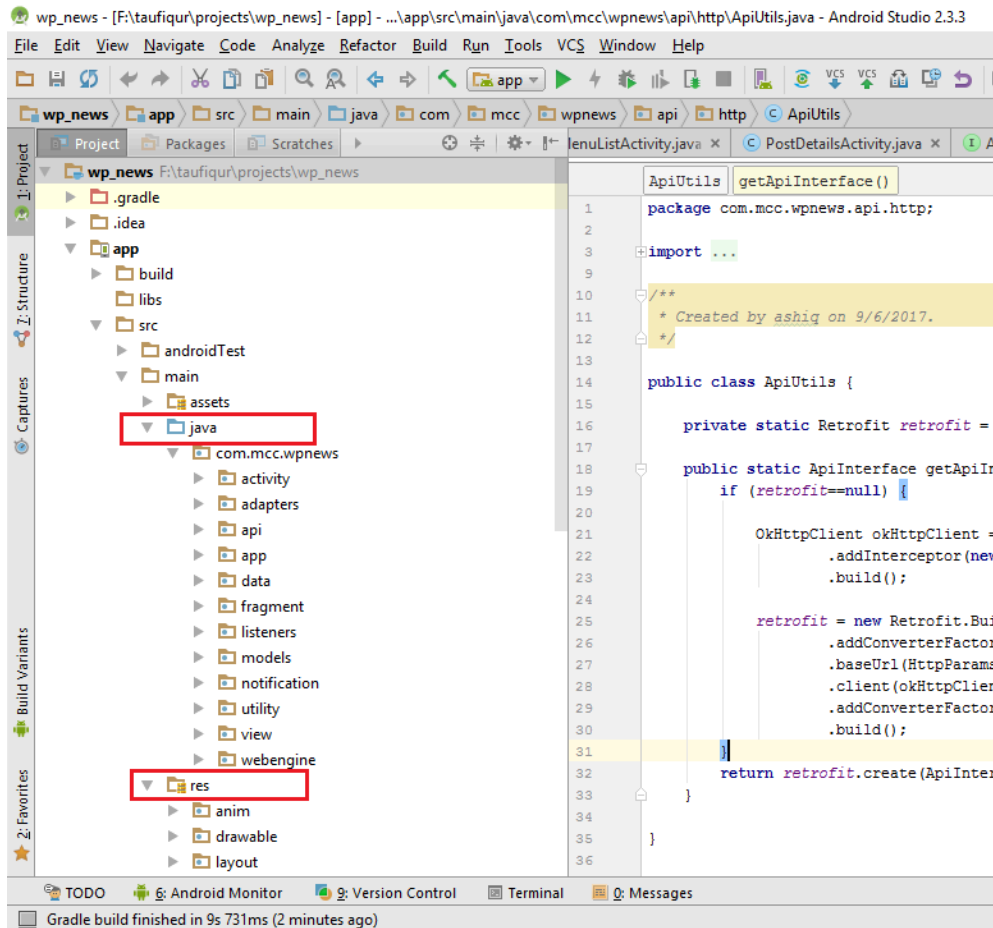
1. Project Structure
2. Packages and Java Files
3. XML Files
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1. Project Structure

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. Packages & JAVA Files

There are 13 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
 - BaseActivity
 - CategoryListActivity
 - CommentDetailsActivity
 - CommentListActivity
 - CustomLinkAndPageActivity
 - FavouriteListActivity
 - MainActivity

- MenuListActivity
 - NotificationActivity
 - NotificationDetailsActivity
 - PostDetailsActivity
 - PostListActivity
 - SearchActivity
 - SettingsActivity
 - SplashActivity
 - SubCatgoryListActivity
 - SubMenuListActivity
 - SubSubMenuListActivity
- **Adapter:** Recycler View and View pager adapters are tighten up into this package.
 - CategoryPagerAdapter
 - CommentsAdapter
 - FavouriteAdapter
 - FeaturedPagerAdapter
 - HomeCategoryAdapter
 - HomeSelectableCategoryAdapter
 - HomeSelectableCatWisePostAdapter
 - MenuCommonAdapter
 - MenuListAdapter
 - NotificationAdapter
 - PostsAdapter
 - SelectableCategoryAdapter
 - SubCategoryAdapter
 - SubMenuAdapter
- **Api:** Retrofit interface, WordPress REST API models and parameters for http request are declared.
 - **Http:** Retrofit interface declaration
 - ApiInterface
 - ApiUtils
 - **Models:** Data model for WordPress REST API responses
 - **Category:** Categories data model
 - Category
 - **Menus:** Menus, Submenus and SubMenu Items data model
 - AnyMenu
 - MainMenu

- SubMenu
 - SubMenuItem

- **Posts:** Contains models for posts in recyclerview and post details.
 - **Commons:** Common models for post and post details.
 - Author
 - Embedded
 - FullSize
 - MediaDetails
 - Sizes
 - Title
 - WpFeaturedMedia
 - WpTerm
 - **Post**
 - AuthorAvaterUrl
 - CommentsAndReplies
 - Content
 - Links
 - NewComment
 - Post
 - PostDetails
 - Replies

- **Params:** Parameters for http request are declared here.
 - 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
- FavouriteDbController
- NotificationDbController
- SelectableCatDbController

- **Fragment:** Fragments are used to increase reusability.
 - PostListFragment
 - SubCategoryListFragment
 - WriteACommentFragment
- **holders:** Item touch holder used to drag-drop item state
 - ItemTouchHelperViewHolder
- **Listeners:** All RecyclerView item and another listener (interface) are included here.
 - ItemTouchHelperListeners
 - ListItemClickListener
 - OnCategoryListChangedListener
 - OnStartDragListener
- **Models:** All the data model for favourite items and notifications are tighten up into this package.
 - FavouriteModel
 - NotificationModel
 - SelectableCategoryModel
- **Notification:** Contains notification helper classes
 - MyFirebaseMessagingService
- **Utility:** Contains miscellaneous utilities.
 - ActivityUtils
 - AdUtils
 - AnalyticsUtils
 - AppUtility
 - DateUtils
 - DialogUtils
 - FilePicker
 - ItemTouchHelperCallback
 - PermissionUtils
 - TtsEngine

- **View:** Contains view related classes.
 - MontserratTextView
 - PhenomenaTextView
 - RobotoTextView
- **WebEngine:** Contains configuration classes for the webview.
 - VideoView
 - WebEngine
 - WebListener

3. XML Files

Here is the major xmls files with usage

- **anim:** for animation activity transmission.
 - [slide_out_left.xml](#)
 - [slide_out_right.xml](#)
- **layout:** Contains activity, toolbar, list item and other layouts.
 - [activity_comment.xml](#)
 - [activity_comment_list.xml](#)
 - [activity_custom_link.xml](#)
 - [activity_favourite_list.xml](#)
 - [activity_main.xml](#)
 - [activity_menu_or_home_cat_list.xml](#)
 - [activity_notification.xml](#)
 - [activity_notification_details.xml](#)
 - [activity_post_details.xml](#)
 - [activity_post_list.xml](#)
 - [activity_search.xml](#)
 - [activity_settings.xml](#)
 - [activity_splash.xml](#)
 - [activity_tab.xml](#)
 - [common_recycler_view.xml](#)
 - [content_comments.xml](#)
 - [content_main.xml](#)
 - [content_main_category.xml](#)
 - [content_main_featured.xml](#)

- content_main_recent.xml
- content_main_selectable_cat.xml
- content_notification.xml
- content_notification_details.xml
- content_post_details.xml
- fragment_dialog_comment.xml
- fragment_post_list.xml
- fragment_recent_post_list.xml
- item_category_or_menu_list.xml
- item_comment_list.xml
- item_favourite_list.xml
- item_home_screen_category_list.xml
- item_home_screen_menu_list.xml
- item_home_screen_view_pager.xml
- item_notification.xml
- item_post.xml
- item_selectable_cat_first_list.xml
- item_selectable_cat_second_list.xml
- item_selectable_category.xml
- layout_video_view.xml
- nav_header_main.xml
- progress_layout.xml
- toolbar.xml
- toolbar_main.xml
- view_common_loader.xml
- view_notification.xml
- **menu:** Contains drawer and search menus
 - menu_delete_all.xml
 - menu_drawer.xml
 - menu_search.xml
- **xml:** Contains setting and searchable xml
 - searchable.xml
 - settings_preference.xml

4. Customization

4.1. Change app name:

- a. Open [app/src/main/res/values/strings.xml](#) file and find those items.
- b. Modify the value of **app_name** "WP News & Blog" by your preferred name.

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

4.2. Change app icon:

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

4.3. Change splash and navigation drawer icon:

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

4.4. Change package name:

- a. Follow this instruction to change your package name:
<https://stackoverflow.com/a/29092698>
- b. Do those things to reconfigure `google-services.json` for new package
 - i. Open `google-services.json` from `/app` directory
 - ii. Find **package_name** variables and replace those value by your package name

4.5. Install WordPress

The project built on WordPress. If you don't have any existing WordPress site you can follow the tutorial below to install WordPress in your server.

- Tutorial link: <https://youtu.be/txqn99yktvA>

4.6. Install WordPress REST API

Enable WordPress REST API: 1) Plugins -> Add new

2) Then search for **WordPress REST API**

3) Click install now and then activate

Browser tabs: Inbox (786) - taufiqur.rue, Google Keep, Add Plugins - Universal

Address bar: products.mcc.com.bd/projects/news-app/wp-admin/plugin-install.php?s=WordPress+REST+API&tab=search&type=term

Navigation: Universal News App, 7, 1, + New

Left sidebar menu:

- Dashboard
- Posts
- Media
- Pages
- Comments 1
- Appearance
- Plugins 1**
- Installed Plugins
- Add New**
- Editor
- Users
- Tools
- Settings
- Htaccess
- Collapse menu

Main content area:

WordPress 4.9 is available! [Please update now.](#)

Add Plugins

[Upload Plugin](#)

Search Results | **Featured** | Popular | Recommended | Favorites



WordPress REST API (Version 2)

Access your site's data through an easy-to-use HTTP REST API. (Version 2)

By WP REST API Team

[Install Now](#) [More Details](#)

★★★★★ (32)
50,000+ Active Installs

Last Updated: 1 year ago
Untested with your version of WordPress



LiteSpeed Cache

Speed up your page-load times. Get a faster site with high-performance page caching from LiteSpeed...

[Install Now](#) [More Details](#)

Now we need to customize it in order to enable the commenting facility.

To do that follow the steps below:

- 1) Go to Plugins -> Installed plugin
- 2) Find WP REST API.
- 3) Select 'Edit'

- 4) On the right side of new window below 'Plugin Files' click rest-api/extras.php
- 5) Add filter code in the top of the file
- 6) Click update

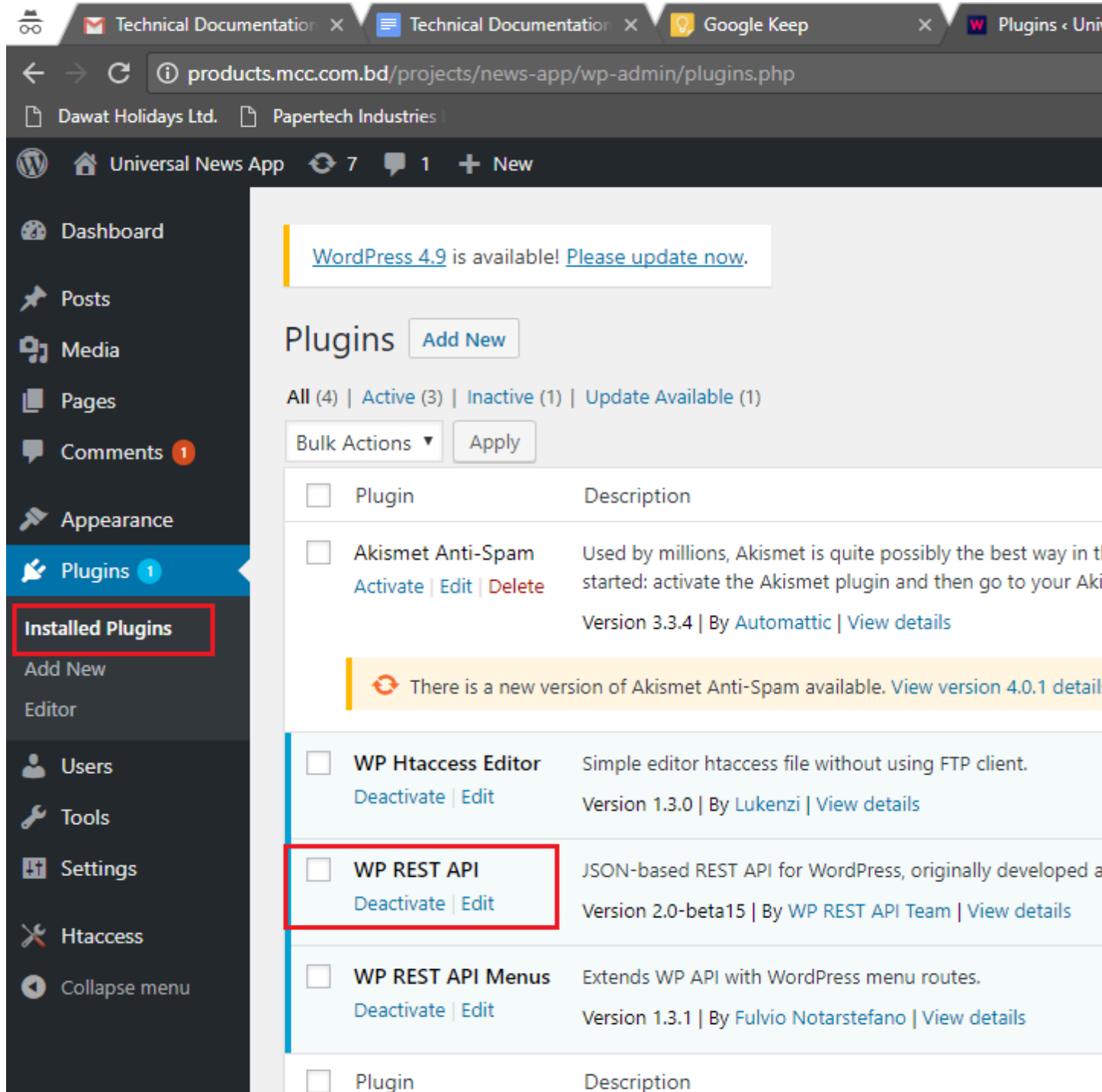


Fig: WP REST API in the installed plugins section of admin panel

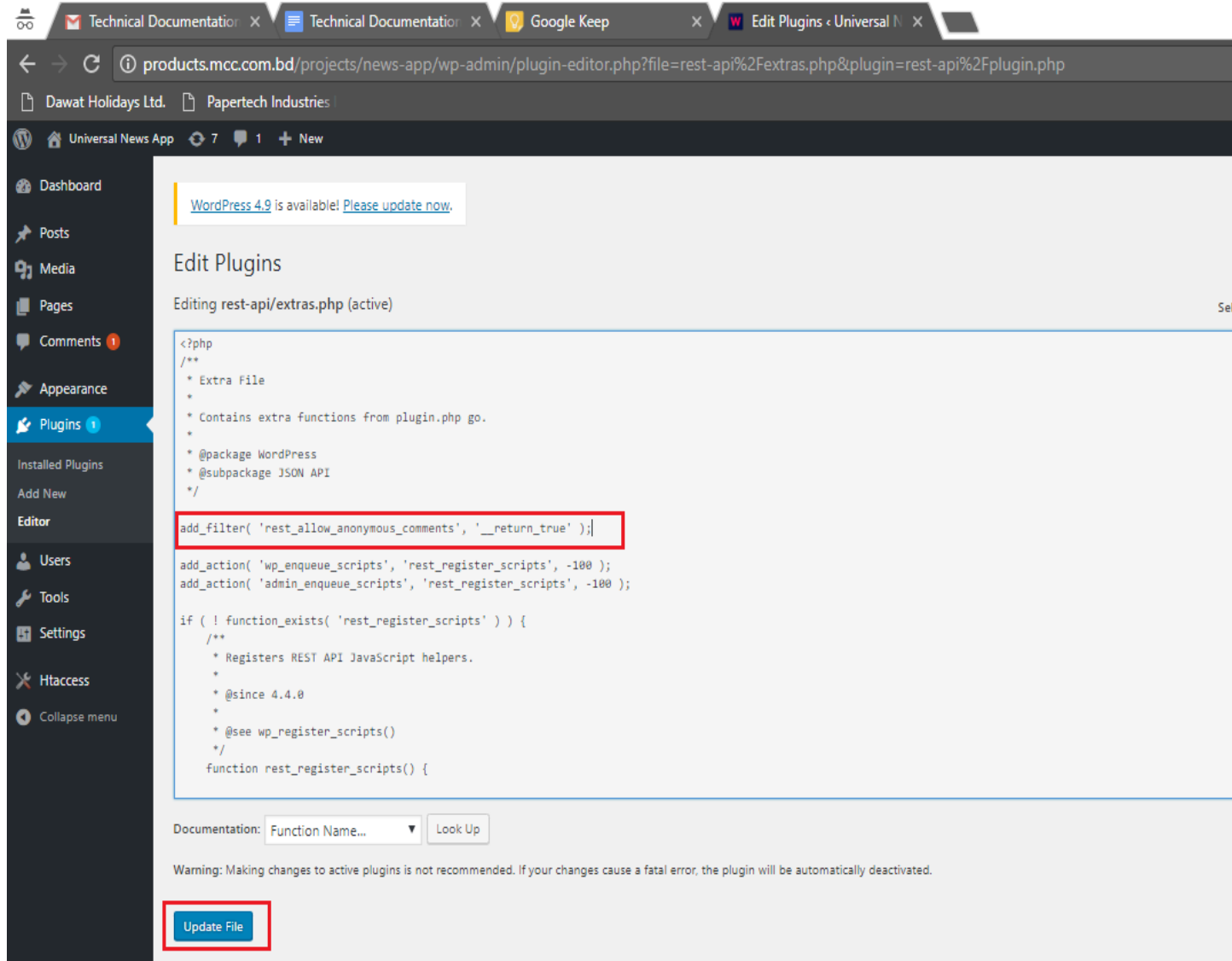


Fig: Adding filter in the rest-api/extras.php file

Filter code:

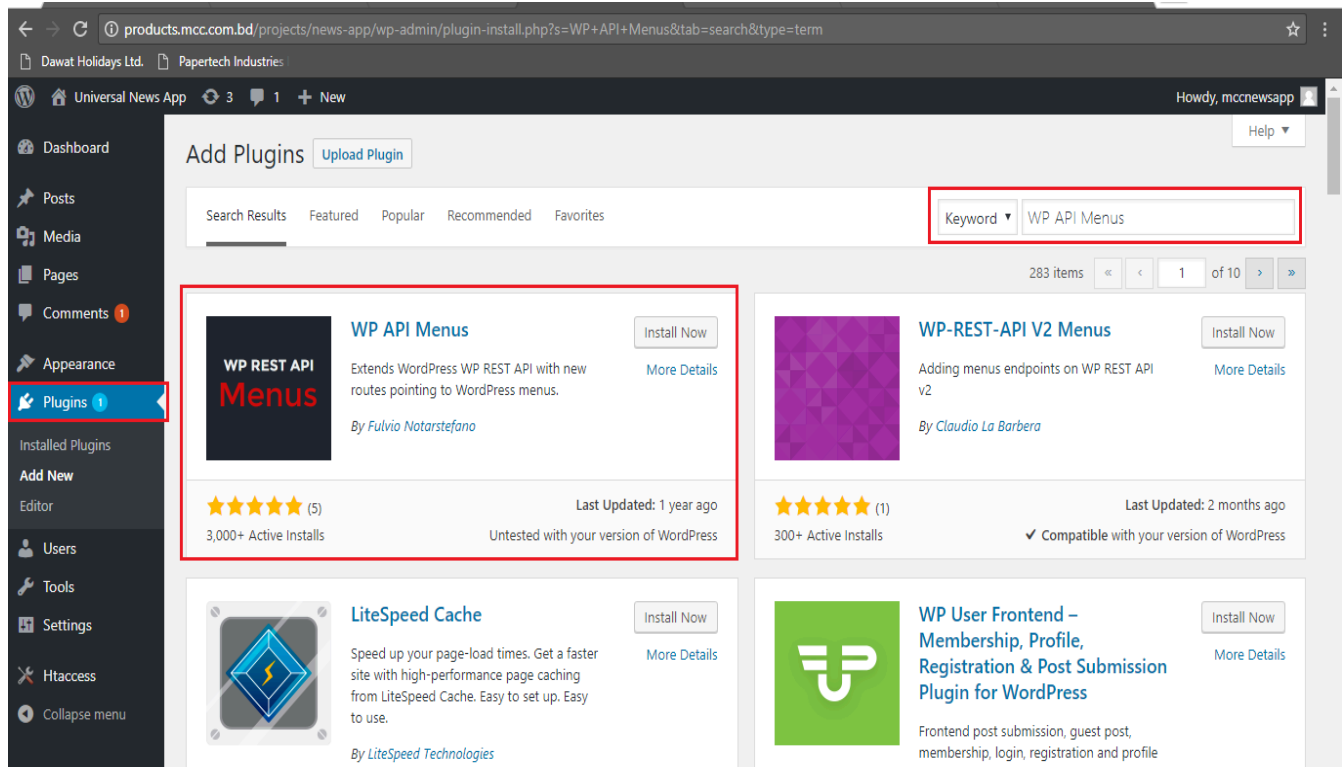
```
add_filter( 'rest_allow_anonymous_comments', '__return_true' );
```

4.7. Install Menu API

Enable WP API Menus: 1) Plugins -> Add new

2) Then search for **WP API Menus**

3) Click install now and then activate



4.8. Customize for your site:

Open java class- [app/src/main/java/com/mcc/wpnews/api/params/HttpParams.java](#)

```
public static final String BASE_URL = "https://your_site_domain/";
```

4.9. Customize Navigation Drawer:

You can customize navigation drawer items and their links as your desired features. For example you can replace phone numbers, email address, call numbers by yours. To do that open the file AppConstant.java. Further instructions are given there.

Open java class- [app/src/main/java/com/mcc/wpnews/data/constant/AppConstant.java](#)

You can also replace the social media links by yours. To do that open strings.xml file.

Open [app/src/main/res/values/strings.xml](#) file and go to social site link section.

4.10. Configure AdMob:

As default configuration, we have integrated Admob ads in most of the pages. 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.

Video link: <https://youtu.be/aBcyZI7Dx58>

a. Integrate AdMob Full Screen Ads:

Open `app/src/main/java/com/mcc/wpnews/activity/BaseActivity.java` or `MainActivity.java` file and enable/ disable `showAdThenActivity(Your_class_name, false);` method to show or hide full screen ad.

b. Integrate AdMob banner in an activity:

- i. Open xml activity file (`content_notification.xml` for `NotificationActivity.java`) and find out following tag:

```
<include
    android:id="@+id/adView"
    layout="@layout/content_banner_ad" />

<!-- place this line to the parent -->
android:layout_above="@+id/adView"
```

- ii. Copy this portion to your desired xml file:
- iii. Open Activity file integrate the code bello:

```
@Override
protected void onResume() {
    super.onResume();
    // load banner ad
    AdUtils.getInstance(mContext).showBannerAd((AdView) findViewById(R.id.adView));
}
```

c. Integrate fullscreen Ad in an activity:

- i. Call the following method before invoke your desired activity. Replace class name by your desired class name.

```
showAdThenActivity(NotificationActivity.class); // put your desired class name
```

The practical use of this method can be found in the `MainActivity.class` file. Go to the `initListener()` method and within it you will find the notification view onclicklistener.

- ii. Or, copy the code of 'showAdThenActivity' method-body and paste it in the section for calling new activity. Replace the method - `'ActivityUtils.getInstance().invokeActivity(...)'` by the alternative

method (for ex: `ActivityUtils.getInstance().invokeSubMenuList(...)`) that already exists in that section for calling new activity:

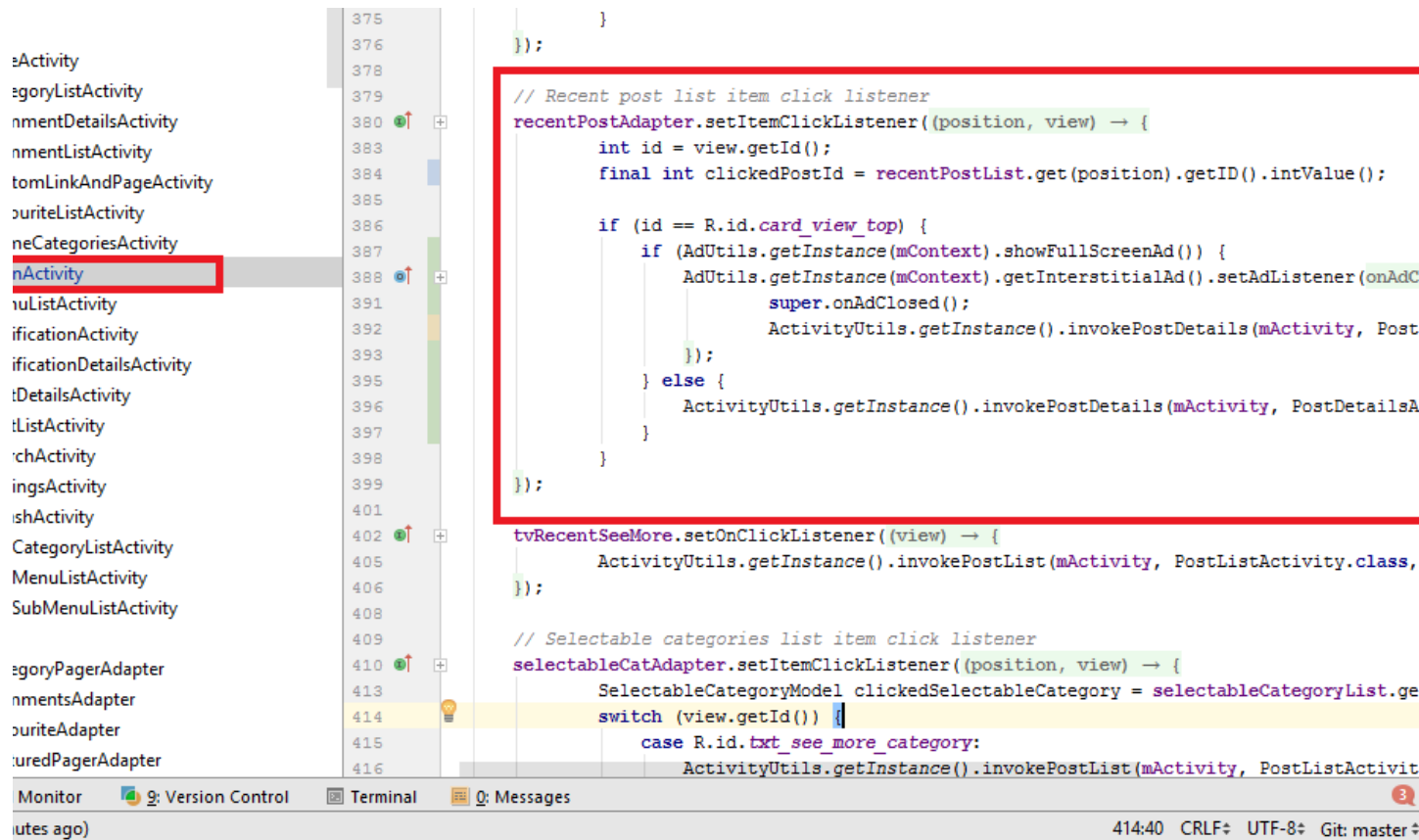


Figure: Alternative of 'showAdThenActivity' method for calling new activity and showing ads.

d. Remove all ads from the app:

- i. Open `app/src/main/java/com/mcc/wpnews/activity/BaseActivity.java` file and go to the 'onCreate' 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.

4.11. Configure push notification:

- a. Create project in firebase
 - i. Open <https://console.firebase.google.com> in browser, login via your gmail account
 - ii. Click on **Add Project** option, provide project name and region and create project

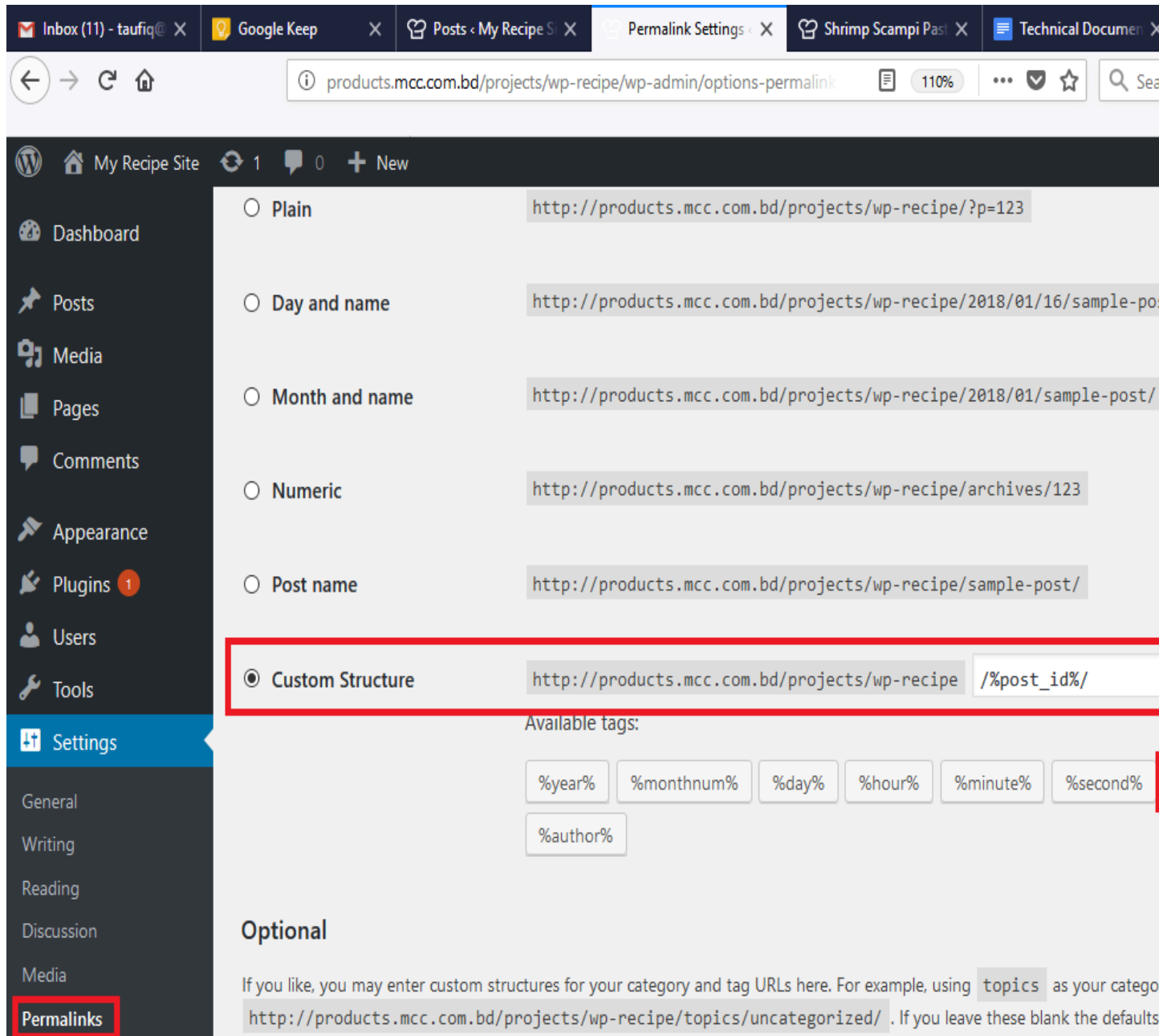
- iii. Click on Add **Firebase to You Android App**, Provide **Package Name, App Name and** release **SHA1** of your release keystore.
- iv. Click on **Register App** and **Download Google-Service.json** and **Continue and Finish**
- v. Click on three-dot menu of your app and open **Settings**, Navigate to **Cloud Messaging** Tab and Copy *Legacy server key*. See Details here: <https://goo.gl/N8bjYA>
- b. PHP Script modification
 - i. We provided a Push Console script which is written in php. Meaning you need a Apache server to run it. But if you don't have a live server you can still configure by installing Apache server in your local PC.
 - ii. Open [common.php](#) from [/Push Notification Dashboard/push_dashboard/](#) and modify value of \$apiKey by the key (*Legacy server key*, see 8/a/v. From above) you collected from firebase console
 - iii. Host files to your server
- c. 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
- d. WordPress DashBoard configuration
 1. To get 'post id', go to the 'Permalinks' option under 'Settings' menu option
 2. set it to 'Custom Structure' and select '/%post_id%/'.
 - 3. Now post id will be shown with each post in the url.



4.12. Disable push notification

- Open `AndroidManifest.xml` file from `app/src/main/` directory and **disable/remove** following code:

```
<service android:name="com.mcc.webapp.notification.MyFirebaseMessagingService">
    <intent-filter>
        <action android:name="com.google.firebase.MESSAGING_EVENT" />
    </intent-filter>
</service>

<meta-data
```

```

        android:name="com.google.firebase.messaging.default_notification_icon"
        android:resource="@drawable/ic_stat_ic_notification" />
<meta-data
    android:name="com.google.firebase.messaging.default_notification_color"
    android:resource="@color/colorAccent" />

```

- b. Open view_notification.xml from `app/src/main/res/layout` add `android:visibility="gone"` in first tag. Final code will be like this:

```

<RelativeLayout
    android:id="@+id/notificationLayout"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="end"
    android:visibility="gone"
    android:clickable="true"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="5dp"
    android:background="?selectableItemBackgroundBorderless">

```

4.13. Change voice engine language

- a. Open `TtsEngine.java` class from `app/src/main/java/com/mcc/wpnews/utility` package.
- b. Find out following code:

```

locale = new Locale("en_US");

```

- c. Change `en_US` by your language code. Find your language code here: <https://cloud.google.com/speech/docs/languages>

4.14. Change support call number, sms number, email address and messenger id

- a. **For Call Number, SMS Number and Email:** Open `AppConstants.java` class from `app/src/main/java/com/mcc/wpnews/data/constant` package. Change `CALL_NUMBER`, `SMS_NUMBER`, `EMAIL_ADDRESS`
- b. **For Messenger:** Open `AppUtils.java` class from `app/src/main/java/com/mcc/wpnews/utility` package. Go to `invokeMessenger()` method and follow instruction given there. Change following facebook page/profile id by your id:

```

activity.startActivity(new Intent(Intent.ACTION_VIEW, Uri.parse("fb://messaging/" +
7887203311545191)));

```

*Don't forget to put trailing **L** with your id. This is not 1, this is small L (L for Long).*

N.B.

For better outlook of the app-

1. To show picture on the top of each post, set Featured image to all the posts.
 2. By making some posts 'sticky' you can see the 'Featured Posts' list on the homepage.
See this picture to make a post sticky:
<https://foamers.net/wp-content/uploads/2013/12/stickypost-1024x482.png>
 3. A post under multiple categories will be shown in the post list of both categories. So, put a post under a single category.
 4. To remove menus from the app, go to the plugins section of your WordPress Dashboard. Then deactivate 'WP API Menus'. That's it.
 5. If app showing no data then add this line into AndroidManifest.xml **application** tag
android:usesCleartextTraffic="true"
-

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