



//read_admin_doc_first

Walfy App Doc

28-07-20 Last updated

"It's an offline document. There is an online documentation [here](#). We are highly recommending the online version. Because it will always be updated."

Introduction

So you are currently on the flutter beta channel. You can build this app from this channel too. If you want to build this app on the flutter stable channel, you can. It's recommended to use the stable channel. If you want to switch on the stable channel, just run **flutter channel stable** and then **flutter upgrade**. That's it. It will go back to the stable channel just like before. Apple App Store doesn't accept third party wallpaper apps. So, This app is only for android.



- **android>app>build.gradle,**
- **android/app/src/debug/AndroidManifest.xml,**
- **android/app/src/main/AndroidManifest.xml,**
- **android/app/src/main/java/mrblab/wallpaper_app/MainActivity.java,**
- **android/app/src/profile/AndroidManifest.xml**

files and replace **mrblab.wallpaper_app** by **your_package_name**.

Now you have to rename the some folder by following your package name.

First, go to **android/app/src/main/java** folder and rename **mrblab** by **your_name** and **wallpaper_app** by **app_name**. Then create a new folder inside the **java folder** and rename it as **com** and then move the **your_name** folder inside the **com** folder. After that move the **app_name** folder inside the **your_name** folder. The folders will look like this : **java > com > your_name > app_name**. Make sure the **MainActivity.java** is available inside the **app_name** folder.

4. Now, you need to generate **2 signing certificates** for google sign in feature.

To generate a debug certificate, run this command on your terminal from your app root directory.

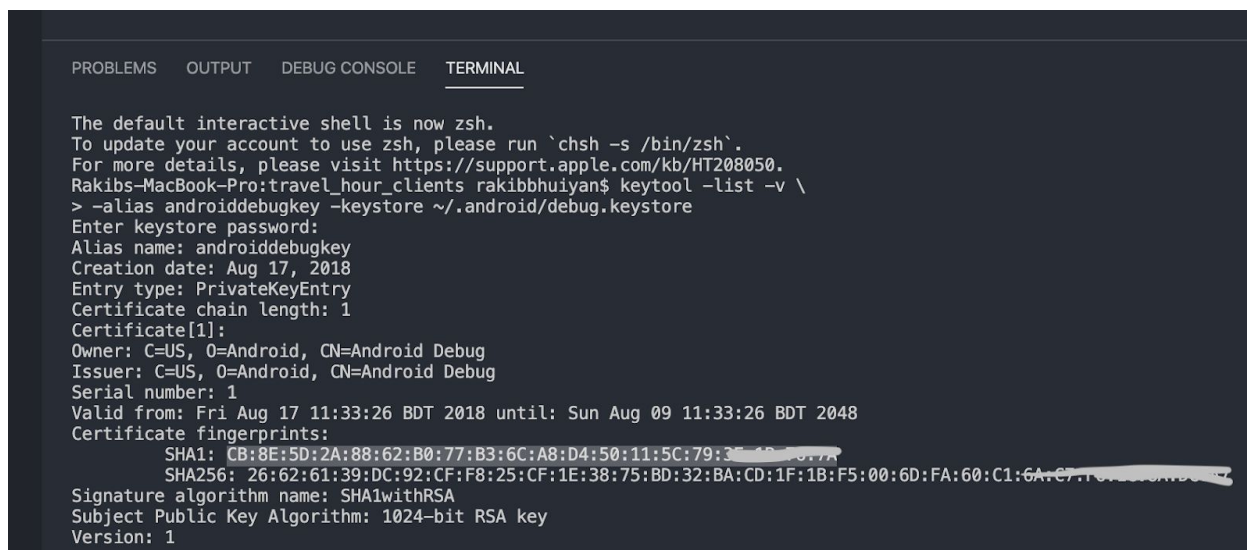
For Mac Users, run

```
keytool -list -v \  
-alias androiddebugkey -keystore ~/.android/debug.keystore
```

For Windows users, run

```
keytool -list -v \  
-alias androiddebugkey -keystore %USERPROFILE%\android\debug.keystore
```

Use **android** as a debug password when the terminal asks for a password.



```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
Rakibs-MacBook-Pro:travel_hour_clients rakibbhuiyan$ keytool -list -v \
> -alias androiddebugkey -keystore ~/.android/debug.keystore
Enter keystore password:
Alias name: androiddebugkey
Creation date: Aug 17, 2018
Entry type: PrivateKeyEntry
Certificate chain length: 1
Certificate[1]:
Owner: C=US, O=Android, CN=Android Debug
Issuer: C=US, O=Android, CN=Android Debug
Serial number: 1
Valid from: Fri Aug 17 11:33:26 BDT 2018 until: Sun Aug 09 11:33:26 BDT 2048
Certificate fingerprints:
  SHA1: CB:8E:5D:2A:88:62:B0:77:B3:6C:A8:D4:50:11:5C:79:3[REDACTED]
  SHA256: 26:62:61:39:DC:92:CF:F8:25:CF:1E:38:75:BD:32:BA:CD:1F:1B:F5:00:6D:FA:60:C1:6A:C7:1F:6A:80:8B:0E:0E
Signature algorithm name: SHA1withRSA
Subject Public Key Algorithm: 1024-bit RSA key
Version: 1

```

Copy the SHA1 certificate code and go to Firebase Console>Your Project>Project>Project Settings and click on the **android icon** and then add the **SHA1** code by clicking **add fingerprint** button.

To generate a release certificate, You have to generate a keystore file. To generate a keystore file, run this command below from the root of your project directory.

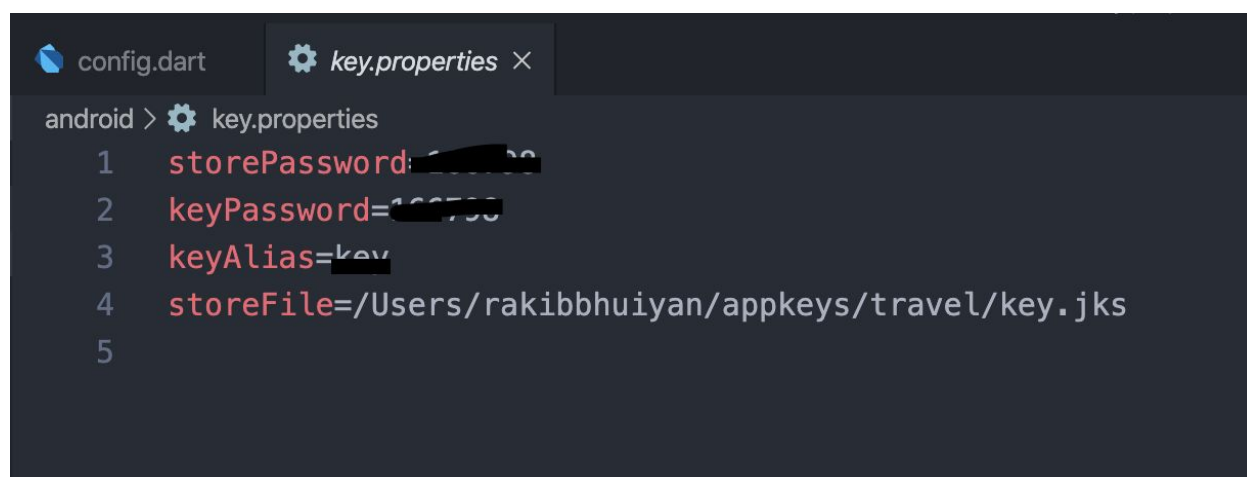
For Mac users, run

```
keytool -genkey -v -keystore ~/key.jks -keyalg RSA -keysize 2048 -validity 10000 -alias key
```

For Windows users, run

```
keytool -genkey -v -keystore c:/Users/USER_NAME/key.jks -storetype JKS -keyalg RSA -keysize 2048 -validity 10000 -alias key
```

Enter your details and remember **alias key** name and **password**. You can use **key** as alias name. After this, you will get a **.jks** keystore file. Locate this file and paste the file into the **android/app** directory. Then go to **android/key.properties** file and replace the location of the keystore file of yours. Then also replace the **password** and **key alias name** which you have inputted to generate the keystore file.

A screenshot of an IDE window showing the 'key.properties' file. The window has two tabs: 'config.dart' and 'key.properties'. The 'key.properties' tab is active and shows the following content:

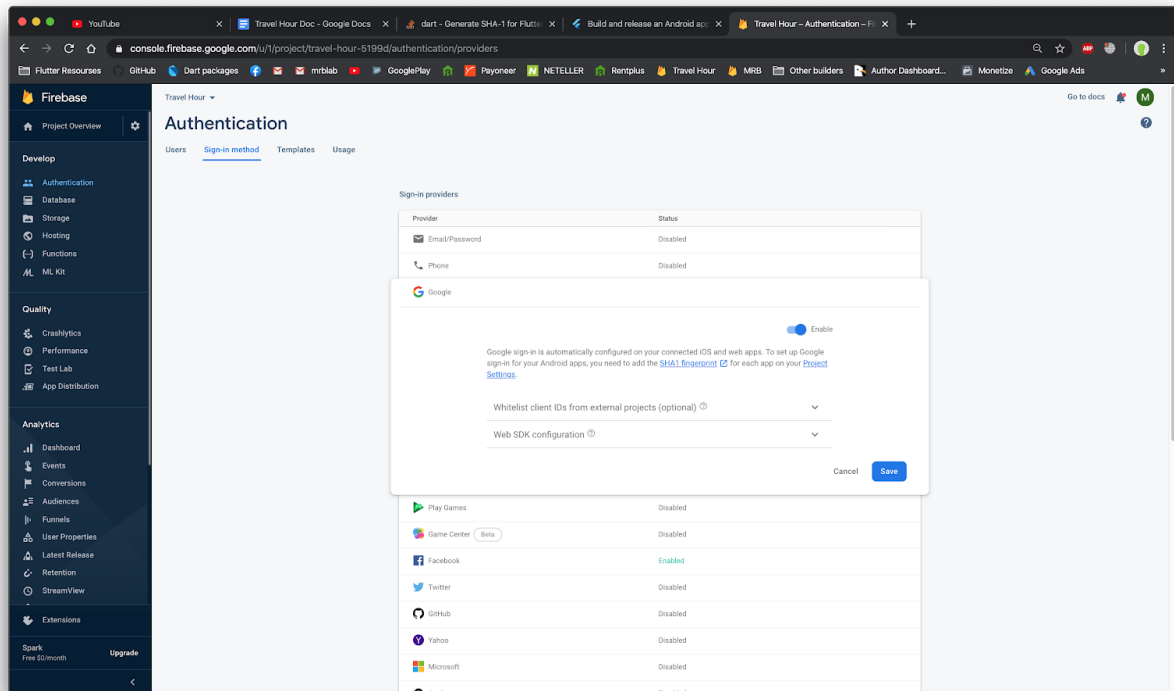
```
android > key.properties
1 storePassword=[REDACTED]
2 keyPassword=[REDACTED]
3 keyAlias=key
4 storeFile=/Users/rakibbhuiyan/appkeys/travel/key.jks
5
```

Now you can generate a release certificate, To do that, run with replacing your **alias_name** and **keystore_location**.

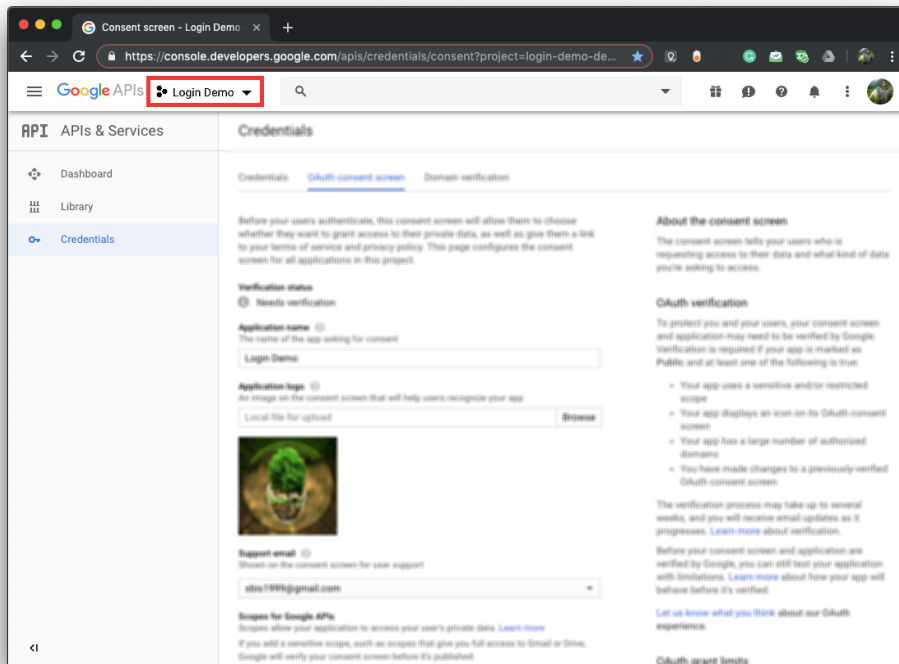
```
keytool -list -v -keystore keystore_location -alias alias_name
```

After that you will get a **SHA1** code. Copy that code and add to your firebase console project settings where you previously added a debug **SHA1** code.

5. Now you have to set up **google sign in**. To do that, Go to firebase console>your project>authentication>Sign-in-method and click on **google** and the enable and save it.

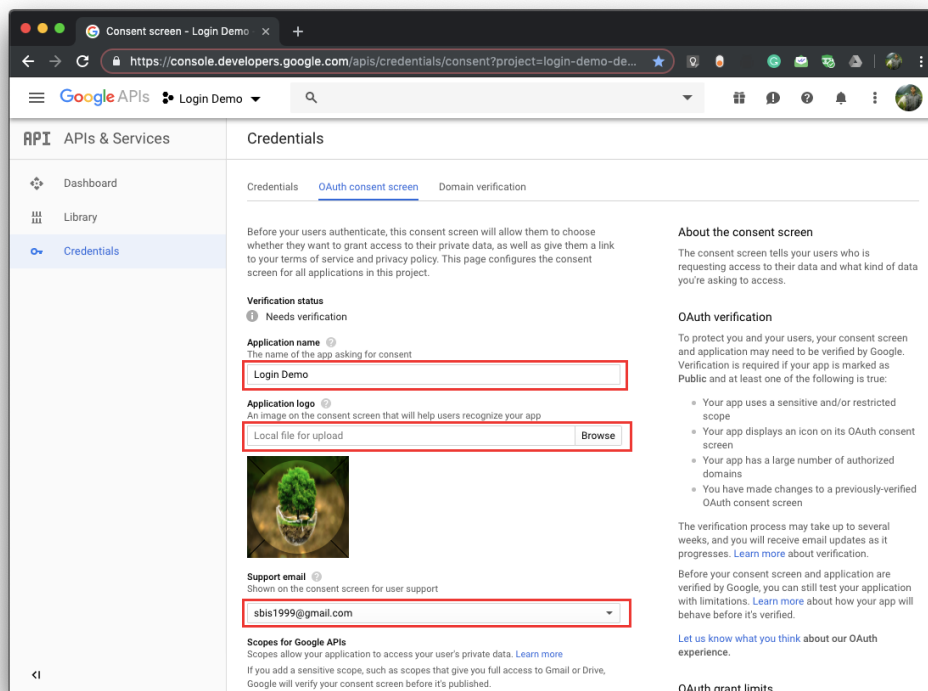


6. You have to configure some stuff for google sign in. Go to this [url](#).
7. Make sure you are signed in with the same account with which you have created the Firebase project.
8. Also, make sure that on the top-left corner, your project is selected for which you are filling this consent.



9. Go to Credentials → OAuth consent screen tab and start filling the form.

10. Enter “Application name”, “Application logo” & “Support email”.



11. Then, scroll down and fill the “Application Homepage link”, “Application Privacy Policy link” and “Application Terms of Services link”.

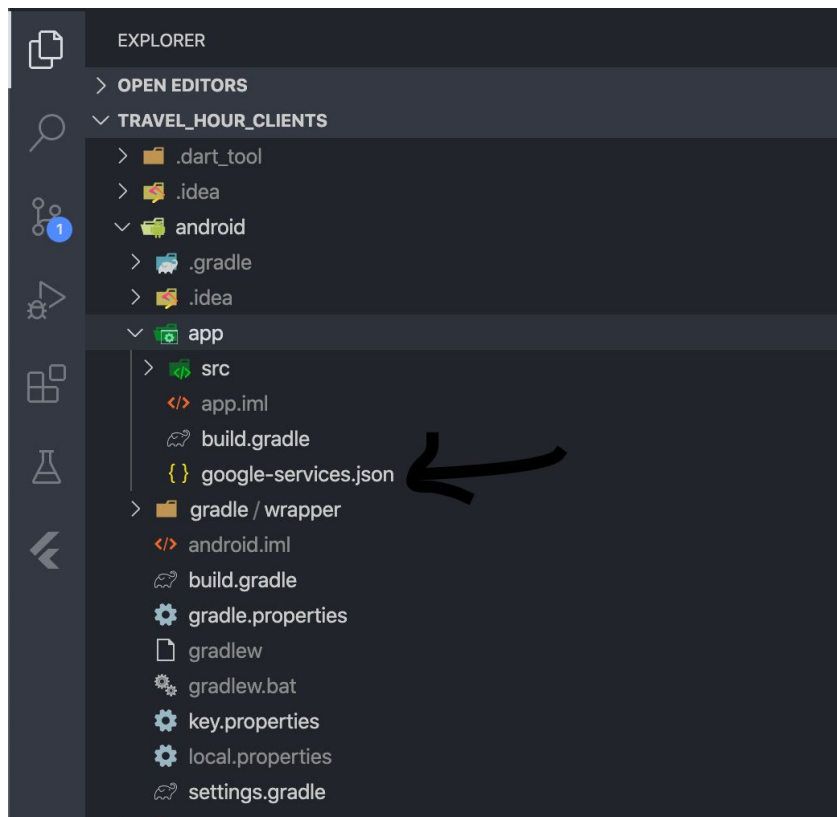
12. In all these places, you have to enter the same link starting with **http://** then your app domain name which I have marked with green below.

The screenshot shows the Google API Console interface for a project named "Login Demo". The "Credentials" tab is selected, and the "Authorized domains" section is visible. The domain "login-demo-ded74.firebaseio.com" is listed and highlighted with a green box. Below the domains, the "Application Homepage link", "Application Privacy Policy link", and "Application Terms of Service link" are all set to "http://login-demo-ded74.firebaseio.com", with each input field highlighted by a red box. The "Save" button is also highlighted with a red box. The "Token grant rate" section on the right indicates a current limit of 100 grants per minute.

13. Click on Save. That's it. You have completed your google signin setup.

14. Now go to Firebase console > project settings and click on **android icon** and download **google-service.json** file.

15. Now go to **android/app** directory and paste the **google-service.json** file here.



16. That's it. Android setup for Google Sign in is complete.

17. Now you have to set up database rules & database indexes.

18. **Database rules setup:** Go to your firebase console > project overview > database > cloud firestore > rules and then edit the rules like this and click publish. That's it.

```
1 rules_version = '2';
2 service cloud.firestore {
3   match /databases/{database}/documents {
4     match /{document=**} {
5       allow read, write: if true;
6     }
7   }
8 }
```

19 . **Database Index Setup** : Now go to the right tab (Indexes) of the same page. Click on **Add Index** and then create an index by following the picture below.

Create a composite index

Cloud Firestore uses composite indexes for compound queries not already supported by single-field indexes (e.g. combining equality and range operators).

Collection ID

contents

Fields to index

At least two fields required*

1	category	Ascending
2	timestamp	Descending

Add field

Query scopes

☒ Collection
For queries within a specific collection path

☐ Collection group
For queries across *all* collections with the same collection ID

After setup, the index will look like this picture below.

Composite		Single field	
Collection ID		Fields indexed	Query scope
contents		category Ascending timestamp Descending	Collection
			Enabled

That's it. Your database setup is complete.

OneSignal Push Notifications Setup


1. To set up OneSignal Push Notification Service to the app, you need an **App ID** from OneSignal.
2. Go to onesignal.com and create an account and create a project by clicking on the new app/website button.

New App / Website


Add your app or website. Need help? [Read our getting started docs.](#)

Name of your app or website


What platform do you wish to use for this app? You can set up more later.



Apple iOS



Google Android




Web Push

[> More Options](#)

Next: [Configure Your Platform](#)

3. Enter your **app name** and then select **Google Android**.
4. And then you need a **Web API Key** and a **Sender ID**.

Configure Platform



Google Android Configuration

Generate a Firebase Server Key

[Read the documentation](#) to learn how to fill in the fields below.

Firebase Server Key: *

Firebase Sender ID: * ⓘ

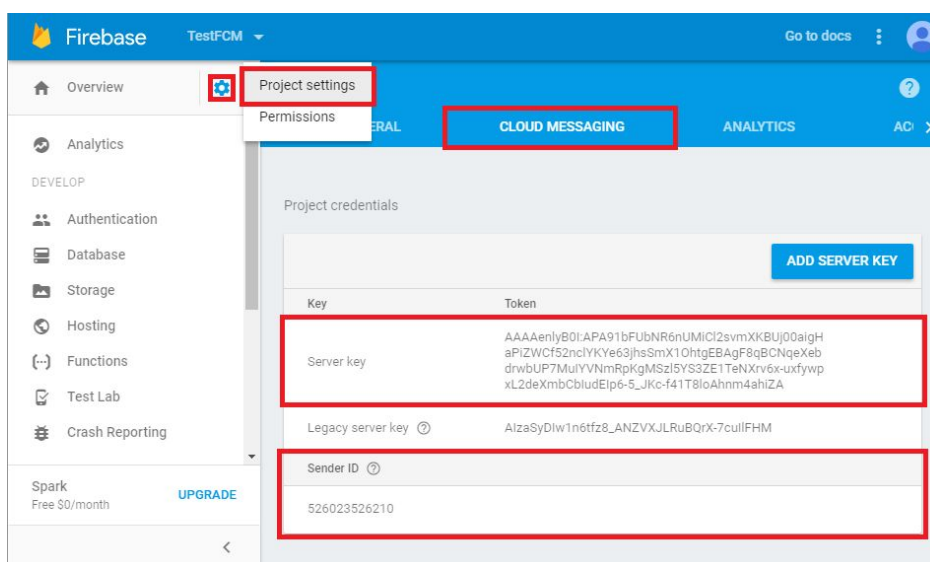
Configure Platform

Select SDK

Install SDK

Next

- You will get them from your firebase project. Go to your firebase project > project settings > cloud messaging and copy them and input both **Server Key** and **Sender ID** in the Onesignal and save them and complete the setup.



- You will get an **App ID** from Onesignal. Copy that **App ID** and go to, **lib/models/config.dart** file and replace the Onesignal App ID. That's it. Your OneSignal Push Notification Setup is complete.

Admob & Other Setup

So, We have used both admob and facebook ads in this app. But you can use only one at a time. Either admob or facebook ads. Admob ads applied by default. So, if you want to add admob ads, you just have to put your ads id. That's it. We recommend you to use admob ads because they provide higher revenue than any other ads networks. Use facebook ads if only your admob account is suspended. By the way, that was just a suggestion from us. The choice is yours.

1. Go to **lib/models/config.dart** file and change all of your details.

```
class Config {
  final String hashTag = '#walfy'; // #+your_app_name
  final String appName = 'Walfy'; // your_app_name
  final String packageName = 'mrblab.wallpaper_app'; //your package name
  final String appIcon = 'assets/images/icon.png'; //your app icon
  final String splashIcon = 'assets/images/splash.png'; //your splash icon - the size should be 400*400 pixels

  // -- Onesignal Push Notification
  final String onesignalAppId = '4c4cac33-9cd3-422b-a85e-*****'; // Replace by your one signal app id

  //-- admob ads --
  final String admobAppId = 'ca-app-pub-3940256099942544~3347511713'; // Replace by your one admob app id
  final String admobInterstitialAdId = 'ca-app-pub-3940256099942544/1033173712'; // Replace by your admob interstitial ad id
  final String admobBannerAdId = 'ca-app-pub-3940256099942544/6300978111'; // Replace by your admob banner ad id

  //-- facebook ads--
  // final String facebookBannerAdId = '587840845185406_5878*****';
  // final String facebookInterstitialAdId = '587840845185406_587*****';
}
```

2. Change your **App name, hashtag name, package name, admob app id and interstitial ad id**. We have used admob test ids for testing purposes. You can use these too. But make sure you have changed these before publishing your app to the play store.

3. Now go to **android/app/src/main/AndroidManifest.xml** file and replace by your admob app id. You can use this given id for testing purposes. But make sure you have changed these before publishing your app to the play store.

```
<meta-data
  android:name="com.google.android.gms.ads.APPLICATION_ID"
  android:value="ca-app-pub-3940256099942544~3347511713"/> <!-- Replace by your admob app id -->
```

That's it. Your Admob setup is complete.

Facebook Ads Setup

Skip this step if you added admob ads already. Admob ads are added by default in this app. So, Before applying facebook ads, you have to disable admob ads first. To do that,

1. Go to `pubspec.yml` and disable `firebase_admob` and enable `facebook_audience_network`. To disable/enable any line or method, just select the line/method and press **cmd + /** (for Mac), **ctrl + /** (for Windows). And then run **flutter pub get** to the terminal.

```
onesignal_flutter: ^2.4.1
# firebase_admob: ^0.9.3+2
facebook_audience_network: ^0.5.0
wallpaper:
  git:
    url: https://github.com/jawad12345A/setWallpaperplugin.git
```

2. Go to `android/app/src/main/AndroidManifest.xml` and disable the following metadata.

```
<application
  android:name="io.flutter.app.FlutterApplication"
  android:label="Walfy"
  android:icon="@mipmap/launcher_icon">

  <!-- <meta-data
    android:name="com.google.android.gms.ads.APPLICATION_ID"
    android:value="ca-app-pub-3940256099942544~3347511713"/>   Replace by your admob app id -->
```

3. Now go to `lib/blocs/ads_bloc.dart` and disable the whole admob part and enable the whole fb part and then go to the bottom of the page and you will see a dispose method. Here, just disable the **disposeAdmobInterstitialAd()** method and enable the **destroyFbAd()** method.

4. Now go to **lib/models/config.dart** and enable facebook ad section and replace by **ads ids** which you will get from facebook monetization manager.
5. Now go to **lib/pages/home.dart** file and disable **initAdmobAd** and enable **initFbAd** in both places.

```
//-----admob-----

// initAdmobAd (){
//   FirebaseAdMob.instance.initialize(appId: Config().admobAppId);
//   context.read<AdsBloc>().loadAdmobInterstitialAd();
// }

//-----fb-----

initFbAd (){
  context.read<AdsBloc>().loadFbAd();
}

@override
void initState() {
  Future.delayed(Duration(milliseconds: 0)).then((f) {
    final ub = context.read<UserBloc>();
    ub.getUserData();
  });
  //initAdmobAd(); //-----admob-----
  initFbAd(); //-----fb-----
  OneSignal.shared.init(Config().onesignalAppId);
  super.initState();
}
```

6. Now go to **lib/pages/details.dart** file and disable the admob part and enable the fb part.

```
btnOkText: 'Ok',
dismissOnTouchOutside: false,
btnOkOnPress: () {
  context.read<AdsBloc>().showAdmobInterstitialAd(); //-----admob-----
  //context.read<AdsBloc>().showFbAdd();             //-----fb-----
}).show(); // AwesomeDialog
}
```

That's it. Your Facebook ads setup is complete.

Change App Name

1. Go to **android/app/src/main/AndroidManifest.xml** file and Change your app name by replacing **Walfy**.

```
<application
  android:name="io.flutter.app.FlutterApplication"
  android:label="Walfy"
  android:icon="@mipmap/ic_launcher">
  <activity
```


Change Splash

1. Go to the asset folder and delete the default icon (splash.png).
2. Now upload your splash icon as png in the asset folder and rename it to **splash.png**. (Your splash image should be 400*400 pixels and in png format)
3. Now run the following command on the terminal,

```
Flutter pub get
```

And then,

```
flutter pub run flutter_native_splash:create
```

4. That's it. For more info about changing splash icons, visit this [site](#) .

Change App Icon

1. Go to the asset folder and delete the default icon (icon.png).
2. Now upload your app icon as png in the asset folder and rename it to **icon.png**
3. Now run the following command on the terminal,

```
flutter pub get  
flutter pub run flutter_launcher_icons:main
```

That's it.. For more info, visit this [site](#).

So Your Setup is 100% complete now. Now run this following command to clean the project.

```
flutter clean
```

And After that run the following command to run this app on your devices.

```
flutter run
```

You will see the preview of the debug version. To get the release version, run the following command :

```
flutter build apk --split-per-abi
```

You will get 3 apk files from the **build/app/output/apk/release** folder. You can test the v7 version of the apk file. If you want to publish the app in the google play store, don't upload any of the following files. Use an **appbundle** file which is recommended by Google. To generate an appbundle, run the following command on terminal :

```
flutter build appbundle
```

After that, you will get an **.aab** file in the **build/app/output/appbundle/release** folder. Now you can upload this .aab file to the google play store.

That's it. We know that you are so tired right now. Take some rest. Everything is complete now.



If you love our work then don't forget to submit a review on envato market. Thanks

MRB Lab

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