

Created by: Kayode Ojo.

Email: [mixpeal@gmail.com](mailto:mixpeal@gmail.com)

Last update: 7 October 2021.

Thank you for buying our product, you are the real MVP 

## TABLE OF CONTENT

- i. Start Guide
- ii. Requirements
- iii. Installation
- iv. Setting up Admob
- v. Setting up Push Notification
- vi. Login and Registration
- vii. Social Login (Facebook)
- viii. Social Login (Google)
- ix. Features
- x. Thank you

## i. Start Guide

- Blogsquid is built to help you convert your WordPress blog to mobile apps both Android and iOS, it simply works by adding your blog URL to the source code and run it, everything has been put in place to accommodate your blog.
- To use Push Notification, you need to install OneSignal on your WordPress site. [Check here to learn more about OneSignal](#).
- You are going to need to register for AdMob to show ads on your app, [learn more](#).
- Running the app is as simple as just unzipping the files you got from Codecanyon, to your preferred directory, then run **flutter pub get**, then change directory to iOS folder and run **pod install**, then go back to the main folder and run **flutter run** to run the app.

## ii. Requirements

- A WordPress site/blog, preferably the recent versions of WordPress.
- A little knowledge of Flutter, and make sure Flutter environment is correctly installed on your machine, check their official website to learn more: <https://flutter.dev/docs/get-started/install>
- JWT Authentication Plugin, [click here to download it](#). For logging in into the app.
- Simulator/Emulator or a real device to test your app.
- An Admob account for integrating Admob.
- OneSignal account for push notification.

### iii. Installation

- Unzip the source code to your preferred directory, and open with any text editor of your choice, preferably Visual Studio Code. You should see some errors at first, this is because of the missing dependencies.
- Open the terminal and run **flutter pub get** to install the missing dependencies.
- Change directory to the iOS folder, and run **pod install** to install the Podfile dependencies.
- Run **flutter run** to run on your preferred device
- To change your blog domain/URL, open **lib/config/app.dart** and change the appDomain to yours

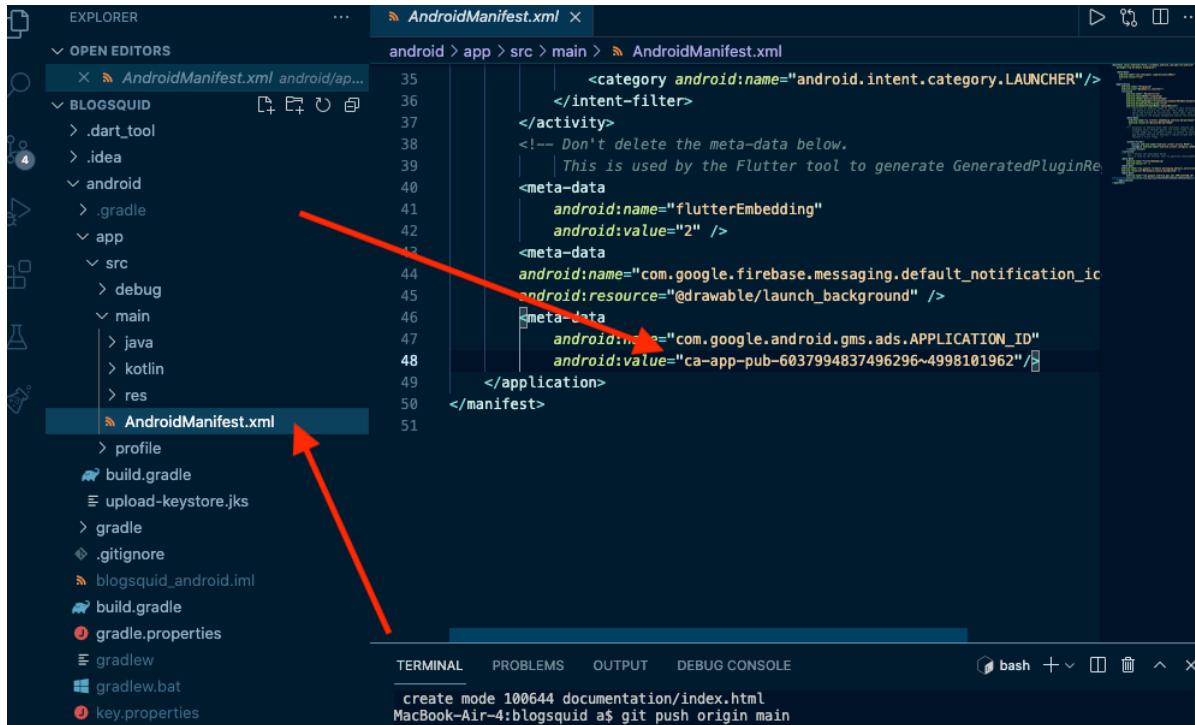
The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** On the left, it shows the project structure. The **lib/config/app.dart** file is selected and highlighted in blue. A red arrow points from the top of the screen towards this file.
- Code Editor:** The main area displays the **app.dart** file content. The line `const appDomain = "https://blog-squid.durabyte.org";` is highlighted with a yellow background and has a yellow lightbulb icon above it, indicating a potential issue or suggestion.
- Terminal:** At the bottom, the terminal shows the command `git push origin main` being run, with the output: `create mode 100644 documentation/index.html`, `MacBook-Air-4:blogsquid a$ git push origin main`, `Enumerating objects: 22, done.`, and `Counting objects: 100% (22/22), done.`

```
lib > config > app.dart > ...
1 import 'package:flutter/material.dart';
2
3 const appDomain = "https://blog-squid.durabyte.org";
4
5 const iconsPath = 'assets/icons/';
6 const colorPrimary = Color(0xFFC32016);
7
8 // COLORS
9 const primaryTextHigh = Color(0xFF2C2C2C);
10 const primaryText = Color(0xFF4B4B4B);
11 const primaryDark = Color(0xFF60A10);
12
13 const eachPostBg = Color(0xFFF3F3F3);
14 const eachPostBgLow = Color(0xFFFFDFED);
15 const eachPostBgDark = Color(0xFF0F1627);
16 const eachPostBgLowDark = Color(0xFF0A1018);
17
18 // Tabs
19 const tabIconColor = Color(0xFF5E5F62);
20 const tabBgColor = Color(0xFFEDEDED);
21
22
```

#### iv. Setting up Admob

- Edit the **AndroidManifest.xml** file at  
**android/app/src/main/AndroidManifest.xml** on line 48 you will see  
YOUR\_APPLICATION\_ID replace it with application ID you got from  
Admob.



```
35 |             <category android:name="android.intent.category.LAUNCHER"/>
36 |         </intent-filter>
37 |     </activity>
38 |     <!-- Don't delete the meta-data below.
39 |         This is used by the Flutter tool to generate GeneratedPluginRes
40 |     <meta-data
41 |         android:name="flutterEmbedding"
42 |         android:value="2" />
43 |     <meta-data
44 |         android:name="com.google.firebase.messaging.default_notification_ic
45 |         android:resource="@drawable/launch_background" />
46 |     <meta-data
47 |         android:name="com.google.android.gms.ads.APPLICATION_ID"
48 |         android:value="ca-app-pub-6037994837496296~4998101962" />
49 |     </application>
50 | </manifest>
51 | 
```

- For your Ad Units, open **lib/config/modules.dart** and change for both android and iOS.

```
lib > config > modules.dart > ...
1 const ADMOB_UNIT_ID_ANDROID = "ca-app-pub-6037994837496296/5297484862";
2 const ADMOB_UNIT_ID_IOS = "ca-app-pub-6037994837496296/7697634884";
3
4 const ONESIGNAL_APP_ID = "YOUR_ONESIGNAL_APP_ID";
5
```

modules.dart

EXPLORER

OPEN EDITORS

BLOGSQUID

documentation

ios

lib

components

config

app.dart

modules.dart

generated\_plugin\_registrant.dart

main.dart

prepare.dart

test

web

.flutter-plugins

.flutter-plugins-dependencies

.gitignore

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

create mode 100644 documentation/index.html

- To change the Application ID for iOS, you will need to open **ios/Runner/Info.plist** and scroll to **GADApplicationIdentifier** key and change the value to your ID.

```
<key>GADApplicationIdentifier</key>
<string>ca-app-pub-6037994837496296~6348345459</string>
```

Info.plist

EXPLORER

OPEN EDITORS

BLOGSQUID

ios

Flutter

OneSignalNotificationServiceExtention

Pods

Runner

Assets.xcassets

Base.lproj

AppDelegate.swift

GeneratedPluginRegistrant.h

GeneratedPluginRegistrant.m

Info.plist

Runner-Bridging-Header.h

Runner.xcodeproj

Runner.xcworkspace

.gitignore

Podfile

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

create mode 100644 documentation/index.html

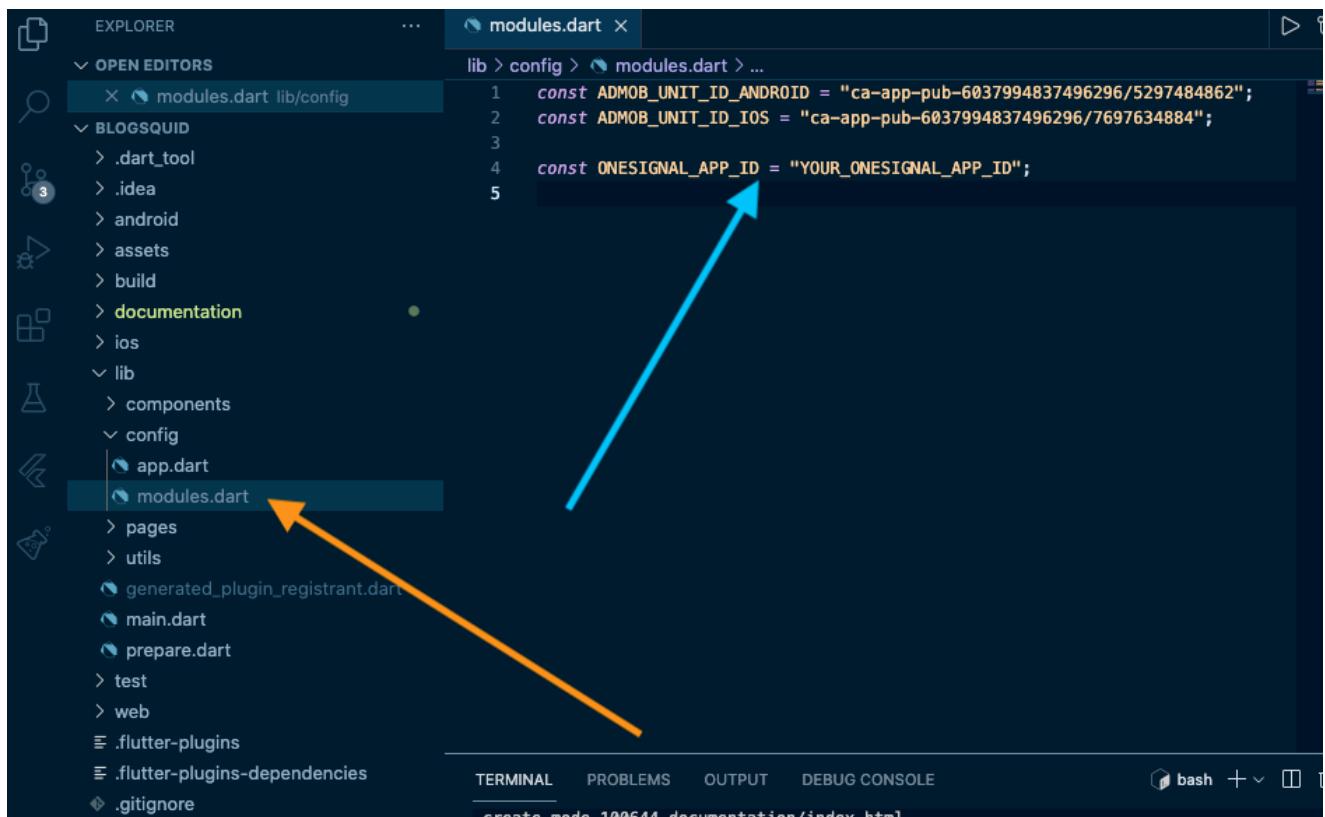
MacBook-Air-4:blogsquid a\$ git push origin main

Enumerating objects: 22, done.

Counting objects: 100% (22/22), done.

## v. Setting up Push Notification

- You will need an **Application ID** you got from OneSignal website, open **lib/config/modules.dart** and change the **YOUR\_ONESIGNAL\_APP\_ID** to yours.



- If you run into any issue, please refer to their official documentation here: <https://documentation.onesignal.com/docs/flutter-sdk-setup>
- To prevent the notifications from opening in the browser, you need to add below code to your WordPress theme function.php.

```
add_filter('onesignal_send_notification', 'onesignal_send_notification_filter', 10, 4);
function onesignal_send_notification_filter($fields, $new_status, $old_status, $post) {
    /* Goal: We don't want to modify the original $fields array, because we want the
    original web push notification to go out unmodified. However, we want to send an additional
    notification to Android and iOS devices with an additionalData property.
```

```

        */
$fields_dup = $fields;
$fields_dup['isAndroid'] = true;
$fields_dup['isIos'] = true;
$fields_dup['isAnyWeb'] = true;
$fields_dup['isWP'] = false;
$fields_dup['isAdmin'] = false;
$fields_dup['isChrome'] = false;
$fields_dup['data'] = array("myappurl" => $fields['url'], "post_id" => $post->ID);
/* Important to set web_url to support opening through both mobile and browser*/
$fields_dup['web_url'] = $fields_dup['url'];
/* Important to unset the URL to prevent opening the browser when the notification is
clicked for mobile app users */
unset($fields_dup['url']);
$onesignal_post_url = "https://onesignal.com/api/v1/notifications";
/* Hopefully OneSignal::get_onesignal_settings(); can be called outside of the plugin */
$onesignal_wp_settings = OneSignal::get_onesignal_settings();
$onesignal_auth_key = $onesignal_wp_settings['app_rest_api_key'];
$request = array("headers" => array("content-type" => "application/json; charset=utf-8",
"Authorization" => "Basic " . $onesignal_auth_key), "body" => json_encode($fields_dup),
"timeout" => 60);
$response = wp_remote_post($onesignal_post_url, $request);
if (is_wp_error($response) || !is_array($response) || !isset($response['body'])) {
    $status = $response->get_error_code();
    $error_message = $response->get_error_message();
    error_log("There was a " . $status . " error returned from OneSignal when sending to
mobile users: " . $error_message);
    return;
}
return $fields;
}

```

## Login & Registration

- Like I said earlier, you need JWT Authentication Plugin, [click here to download it.](#)
- There is a little code you need to add to your WordPress theme function.php, we are doing this, because there is no viable plugin that does registration and getting user's profile.

Please use the code below:

```
add_action('rest_api_init', 'wp_rest_user_endpoints');

/**
 * Register a new user
 *
 * @param WP_REST_Request $request Full details about the request.
 * @return array $args.
 */
function wp_rest_user_endpoints($request) {
/**
 * Handle Register User request.
 */
register_rest_route('wp/v2', 'users/register', array(
    'methods' => 'POST',
    'callback' => 'wc_rest_user_endpoint_handler',
));
register_rest_route('wp/v2', 'users/profile', array(
    'methods' => 'POST',
    'callback' => 'wc_rest_user_endpoint_profile_handler',
));
}

function wc_rest_user_endpoint_handler($request = null) {
$response = array();
$username = sanitize_text_field($request['username']);
$email = sanitize_text_field($request['email']);
$password = sanitize_text_field($request['password']);
$first_name = sanitize_text_field($request['first_name']);
$last_name = sanitize_text_field($request['last_name']);
$role = sanitize_text_field($parameters['role']);
$error = new WP_Error();
if (empty($username)) {
    $error->add(400, __("Username field 'username' is required.", 'wp-rest-user'),
array('status' => 400));
    return $error;
}
if (empty($email)) {
    $error->add(401, __("Email field 'email' is required.", 'wp-rest-user'), array('status'
=> 400));
    return $error;
}
if (empty($password)) {
    $error->add(404, __("Password field 'password' is required.", 'wp-rest-user'),
array('status' => 400));
    return $error;
}
```

```

}

if (empty($role)) {
    $role = 'subscriber';
} else {
    if ($GLOBALS['wp_roles']->is_role($role)) {
        // Silence is gold
    } else {
        $error->add(405, __("Role field 'role' is not a valid. Check your User Roles from Dashboard.", 'wp-rest-user'), array('status' => 400));
        return $error;
    }
}

$user_id = username_exists($username);
if (!$user_id && email_exists($email) == false) {
    $userdata = array(
        'user_login' => $username,
        'user_nicename' => $username,
        'user_pass' => $password,
        'user_email' => $email,
        'first_name' => $first_name,
        'last_name' => $last_name
    );
    $user_id = wp_insert_user($userdata);
    if (!is_wp_error($user_id)) {
        // Get User Meta Data (Sensitive, Password included. DO NOT pass to front end.)
        $user = get_user_by('id', $user_id);
        $user->set_role($role);
        $user->set_role('subscriber');
        // WooCommerce specific code
        if (class_exists('WooCommerce')) {
            $user->set_role('customer');
        }
        // Get User Data (Non-Sensitive, Pass to front end.)
        $response['code'] = 200;
        $response['message'] = __("User '" . $username . "' Registration was Successful", "wp-rest-user");
        $getuser = get_user_by('email', $email);
        $newUser = [
            "id" => $getuser->ID,
            "name" => $getuser->data->display_name,
            "email" => $getuser->data->user_email,
            "username" => $getuser->data->user_login,
            "roles" => $getuser->roles
        ];
        $response['user'] = $newUser;

    } else {
        return $user_id;
    }
} else {
    $error->add(406, __("Email already exists, please try 'Reset Password'", 'wp-rest-user'), array('status' => 400));
    return $error;
}

```

```

}

return new WP_REST_Response($response, 123);
}

function wc_rest_user_endpoint_profile_handler($request = null) {
    $response = array();
    $email = sanitize_text_field($request['email']);
    $error = new WP_Error();
    if (empty($email)) {
        $error->add(401, __("Email field is required.", 'wp-rest-user'), array('status' => 400));
        return $error;
    }
    $user = get_user_by('email', $email);
    if ($user) {
        $newUser = [
            "id" => $user->ID,
            "name" => $user->data->display_name,
            "email" => $user->data->user_email,
            "username" => $user->data->user_login,
            "roles" => $user->roles
        ];
        $response['code'] = 200;
        $response['user'] = $newUser;
    } else{
        $error->add(401, __("User not found.", 'wp-rest-user'), array('status' => 400));
        return $error;
    }
    return new WP_REST_Response($response, 123);
}

```

## Social Login (Facebook)

- i. For Facebook login, we used [flutter\\_facebook\\_auth](#), you can see the full documentation there.
- ii. Please follow the documentation, you should be able to see for both Android and iOS Installation. Note that, these processes are very important before your login can work.

- iii. We have added what you need for the `AndroidManifest.xml` and `string.xml`, you just need to change your `facebook_app_id` and `facebook_login_protocol_scheme` at `android/app/src/main/res/values/strings.xml` to your own.
- iv. It may still not work when you are done with all the process, don't panic, it may be because you are running it in debug mode, try running the app as release with `flutter run --release`

## Social Login (Google)

- i. For Google login, we used [google\\_sign\\_in](#), you can see the full documentation on the page.
- ii. We have added mostly what you need.
- iii. For iOS, feel free to add it yourself, because it requires adding signin with apple too, so we ignore it.

## vi. Features

### Bookmarks

This allows the users to save blog posts to be read later, even without internet connection.

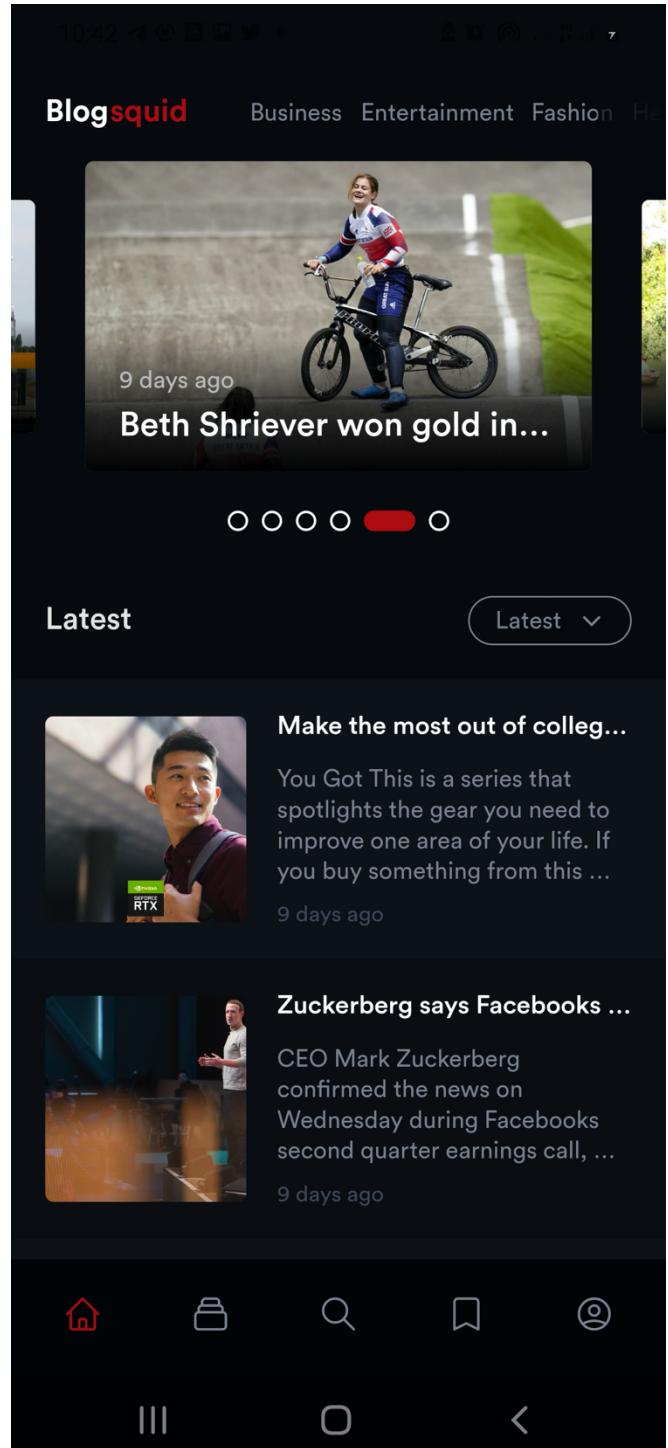
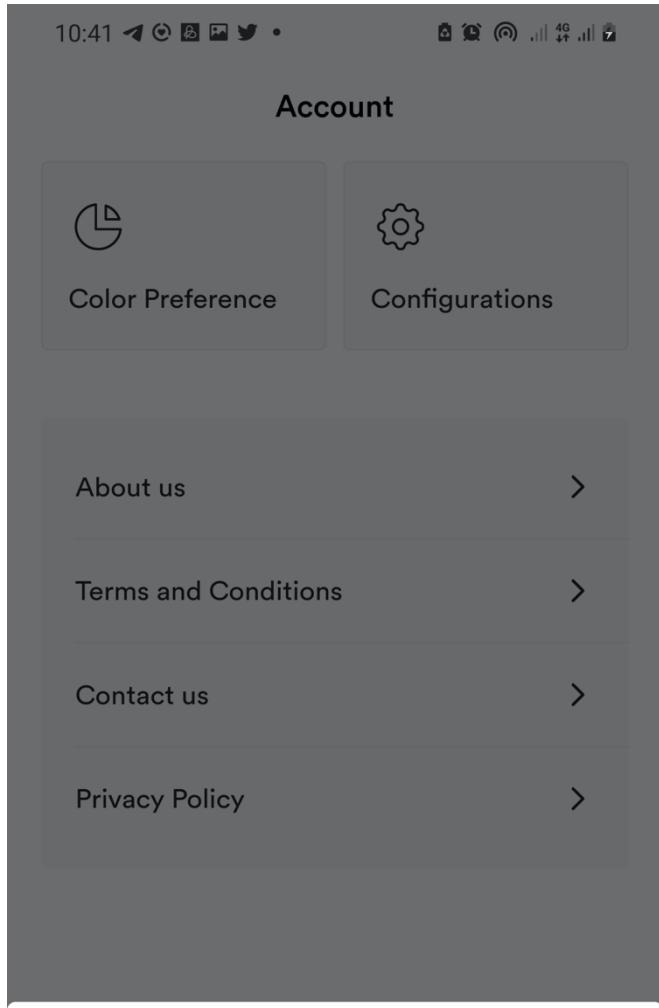
10:40

The screenshot shows a mobile application interface for managing bookmarks. At the top, there is a header bar with the word "Bookmarks" on the left and a button labeled "All Bookmarks" with a dropdown arrow on the right. Below the header, there are four bookmark entries, each consisting of a small thumbnail image on the left and a summary text on the right. Each entry also includes a timestamp at the bottom right indicating it was posted 9 days ago. At the very bottom of the screen, there is a navigation bar with five icons: a house (Home), a folder (Collection), a magnifying glass (Search), a red bookmark (Bookmark), and a person (Profile). The bottom part of the screen is a solid black bar containing three white icons: three horizontal lines (Menu), a square (Share), and a back arrow.

Thumbnail	Title	Summary	Posted
	Zuckerberg says Facebooks ...	CEO Mark Zuckerberg confirmed the news on Wednesday during Facebooks second quarter earnings call, ...	9 days ago
	Jungle Cruise is an ...	It's a dire sentiment coming from the lovable steamboat captain, who stands in for generations of real Disney employees in this ...	9 days ago
	Beth Shriever won gold in ...	British BMX rider Bethany Shriever won a gold medal at the Tokyo Olympic Games after she was refused funding and ...	9 days ago
	EU slaps Amazon with a ...	According to Amazons regulatory filing, the decision was made on July 16 by Luxembourgs data protection authority CNPD, ...	9 days ago

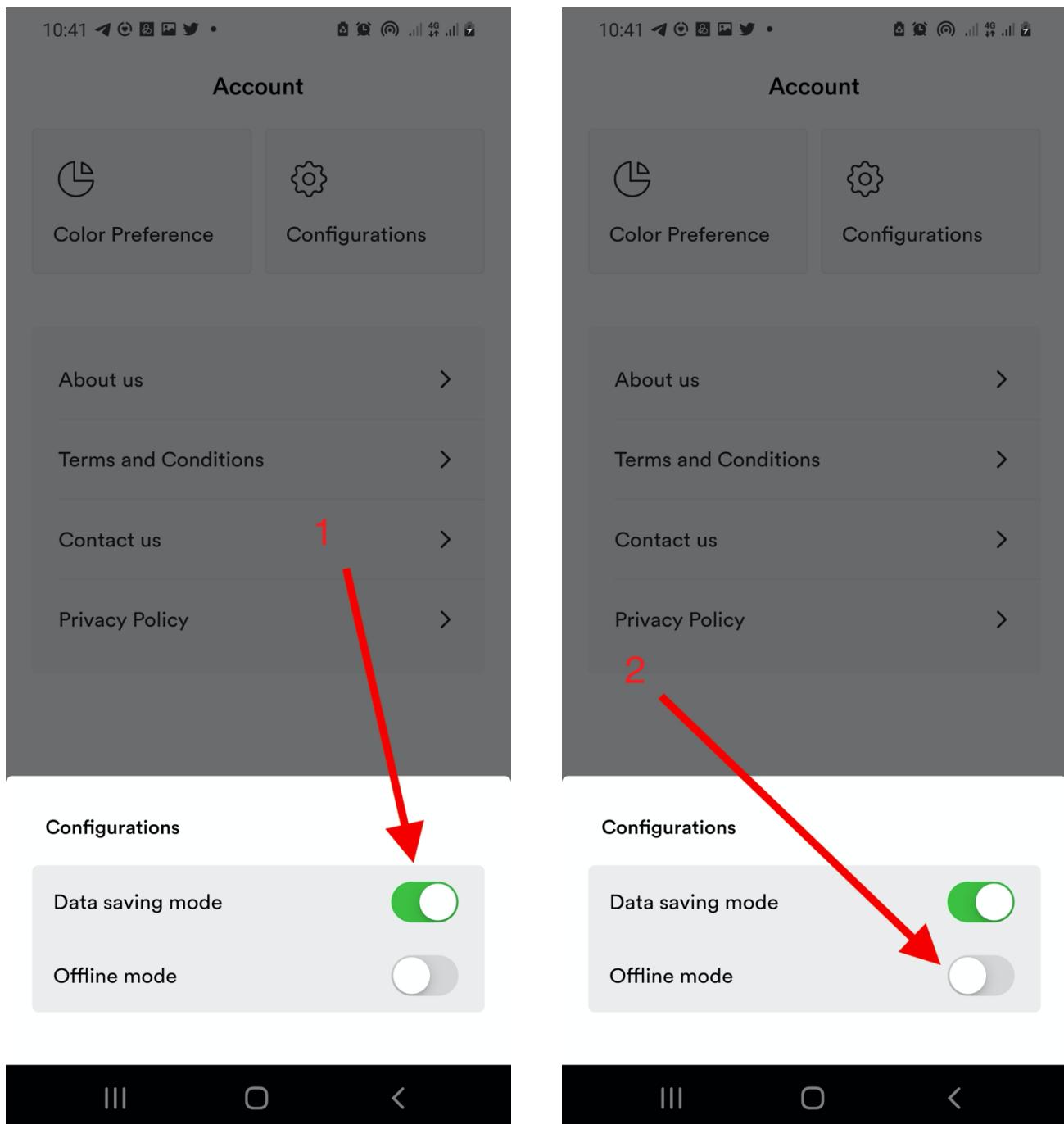
## Light & Dark Mode

The users can choose their visual preference, it's all up to them



## Configurations

1. **Data saving mode:** This feature allows the users to reduce the data consumption of the app, so as to save data
2. **Offline Mode:** Once this is turned on, the app won't load new posts, you will be left with old posts to read offline.



## Blog categories

This page shows the active categories on your WordPress site

23:04 •

23:04 •

### Categories

- [Business >](#)
- [Entertainment >](#)
- [Fashion >](#)
- [Health >](#)
- [Politics >](#)
- [Science >](#)
- [Sport >](#)
- [Technology >](#)

### Business

**Make the most out of colleg...**  
You Got This is a series that spotlights the gear you need to improve one area of your life. If you buy something from this ...  
18 days ago

**Zuckerberg says Facebooks ...**  
CEO Mark Zuckerberg confirmed the news on Wednesday during Facebooks second quarter earnings call, ...  
18 days ago

**Motorola Edge 20 Pros got ...**  
Three of them, in fact: the Motorola Edge 20 Pro, Motorola Edge 20, and Motorola Edge 20 Lite. Theyre the first flagship ...  
18 days ago

**EU slaps Amazon with a ...**  
According to Amazons regulatory filing, the decision was made on July 16 by Luxembourgs data protection authority CNPD, ...  
18 days ago

## Share posts

This allows the users to share posts to social media or email



← EU slaps Amazon with a record \$8...



**Business, Science.**

### EU slaps Amazon with a record \$886 million fine over privacy violations

By Sarah Kayodesdottir July 31st, 2021



According to [Amazon's regulatory filing](#), the decision was made on July 16 by Luxembourg's data protection authority CNPD, which claimed that Amazon's processing of personal data did not comply with the EU's GDPR (General Data Protection Regulation) rules.

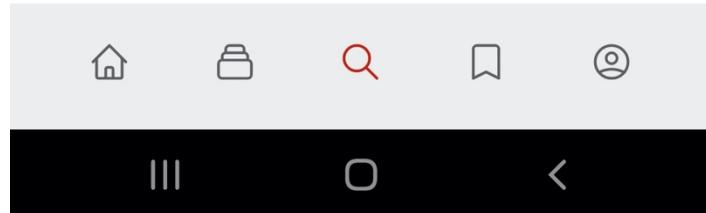
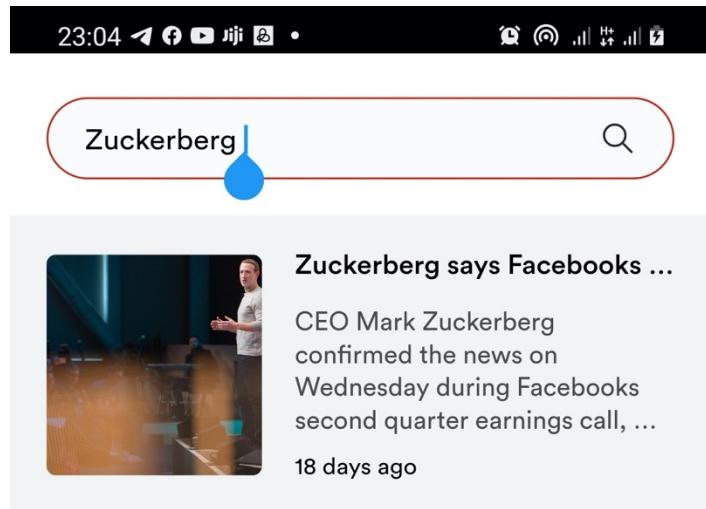
"We believe the CNPD's decision to be without

[View Comments ▶](#)



## Search posts

Search through the blog posts



## Advertisement

We have provided everything you need to integrate Admob into your blog, just ‘ad’ your credentials.

and will write right. Or not exactly right

and use Alexa or Google Home to let your lamp know when it's lights out.

Source:

<https://mashable.com/ad/article/you-got-this-nvidia-geforce-best-college-tech>

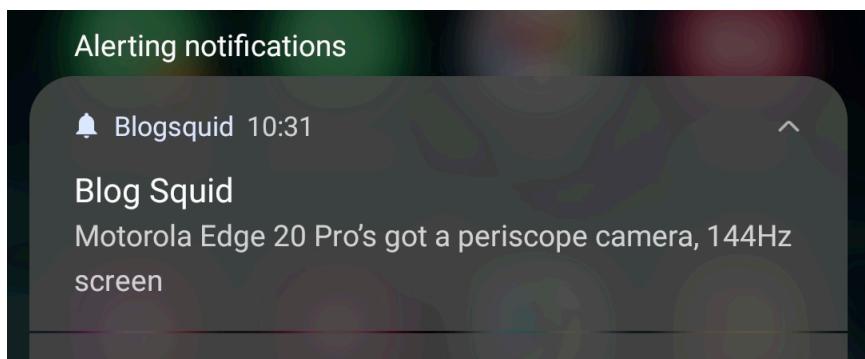


[View Comments ▶](#)



## Push Notification

Once you install OneSignal in your WordPress blog, your user will get notification when new post is added.



## vii. Thank you

Thanks once again, if you run into any issue, feel free to shoot us an email, we promise an instant support.

**Happy blogging!**