

Progressive Web App Extension for Magento 2

Progressive web apps uses modern web capabilities to deliver amazing app-like experience to your users. With the use of this extension, your website can work offline or on a slow internet connection, will load faster, can send push notifications, work like a native app, can be added to the home screen with a single click and so on. As a result, your customer experience is enhanced, more traffic is driven, conversions are boosted and sale volumes will go sharply for sure.

Features -

- Faster loading
- Engaging push notifications
- Works in offline mode
- Add to home screen without having to go to the app store
- Full-screen experience
- Secure
- Responsive and user-friendly

Installation:

The steps for installing the extension on your Magento site are:

1. Download the extension from your account
2. Unzip the file
3. Create a folder {Magento 2 root}/app/code
4. Copy the content from the unzipped folder

Module Configuration:


After the extension is installed, you can configure it from your Magento Admin panel. Here, you can set the following app settings -

1. App name - The name to be displayed to the user.
2. App short name - The name to be displayed when there is insufficient space to display the full name of the application.
3. App description - A general description of what the application does.
4. Start url - The URL that loads when a user launches the application from a device.
5. Theme color - The default theme color for an application.
6. Background color - The background color of the screen that is displayed launching the application and loading it's contents.

7. Display - The display mode for the web application. It can be:
 - Fullscreen - All of the available display area is used.
 - Standalone - The application will look and feel like a standalone application.
 - Minimal-ui - Similar to a standalone application, but with a minimal set of UI elements for controlling navigation.
 - Web page - The application opens in a conventional browser tab or new window, depending on the browser and platform.
8. Screen orientation - The default orientation for the web application. It can be:
 - Any
 - Natural
 - Landscape
 - Portrait
9. App icon - The application icon that represents your app among a list of other applications.

Configuration

   admin ▾

Store View: Default Config ▾ 

Save Config

FREEGO ▾

GENERAL ▾

CATALOG ▾


CUSTOMERS ▾


SALES ▾

MAGECUBETEAM ▴

Translator

Theme Settings

General Settings 

App Settings 

App Name [store view]

App Short Name [store view]

App Description [store view]

Start Url [store view]

Configuration

Save Config

MANAGER

Theme Settings

Facebook Chatbot

Multiple Responsive Slideshows

Progressive Web App

DOTMAILER

SERVICES

ADVANCED

Start Url

[store view]

Theme Color

[store view]

#3bad48

In hex format, e.g. #112233.

Background Color

[store view]

#7c8011

In hex format, e.g. #112233.

Display

[store view]

Web Page

Application display type

Screen Orientation

[store view]

Landscape

Application Screen Orientation

App Icon

[store view]

Choose file

No file chosen

Delete Image

Push notification Settings - You can also set the push notification settings here, i.e. enable / disable push notifications, enter firebase config snippet, sender id, server key and the default image for the notification.

Configuration

Save Config

Pushnotification Settings

Enable Pushnotification

[store view]

Enable

Firestore Config Snippet

[store view]

Firestore Config Snippet

Sender Id

[store view]

Messaging Sender Id

Server Key

[store view]

Server Key

Notification Default Image

[store view]

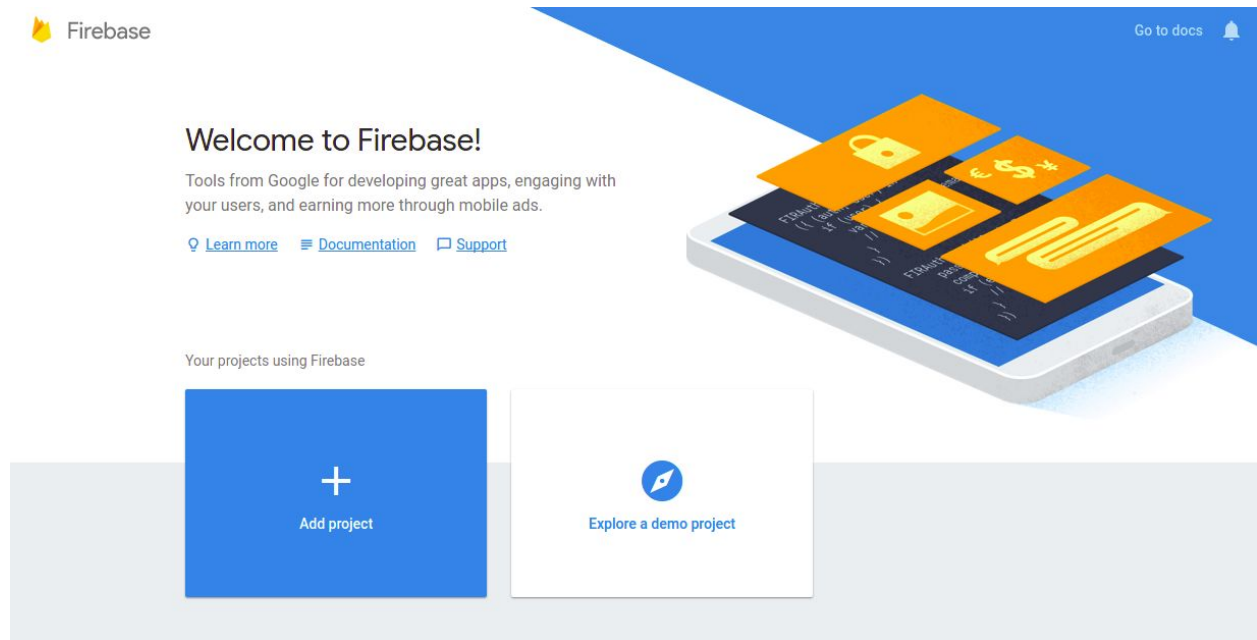
Choose file

No file chosen

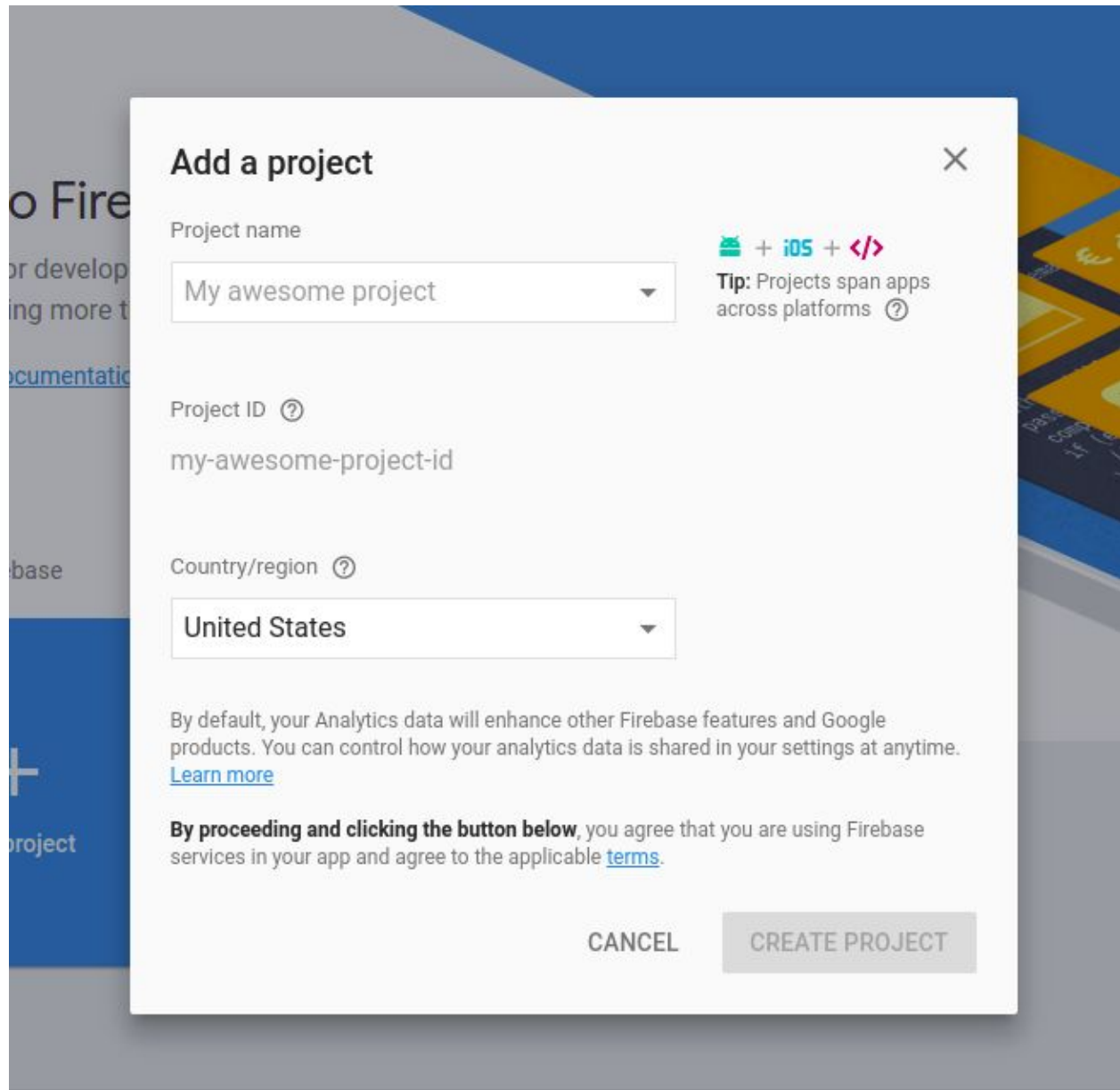
Creating Firebase Product Credentials

In order to use the push notification feature, you need to have Firebase Project Credentials. Please visit [this](#) link, login with your google account and create a new project.

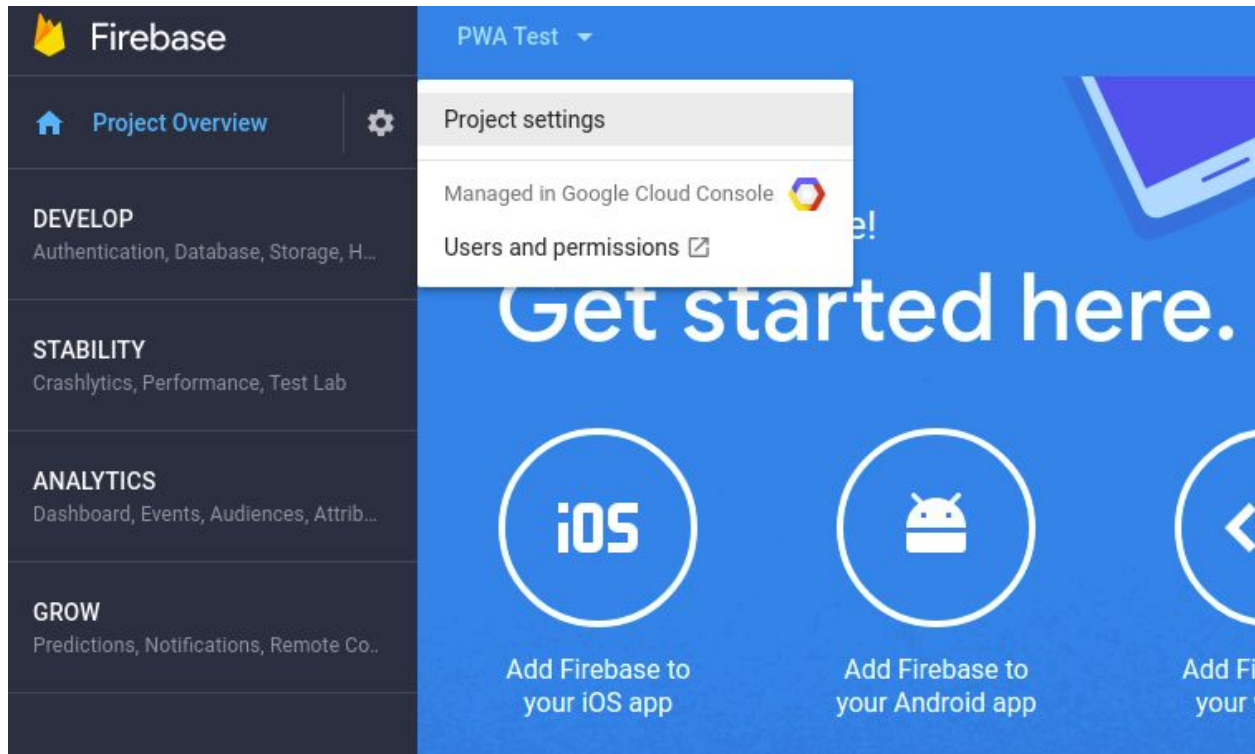
1. Click on Add Project.



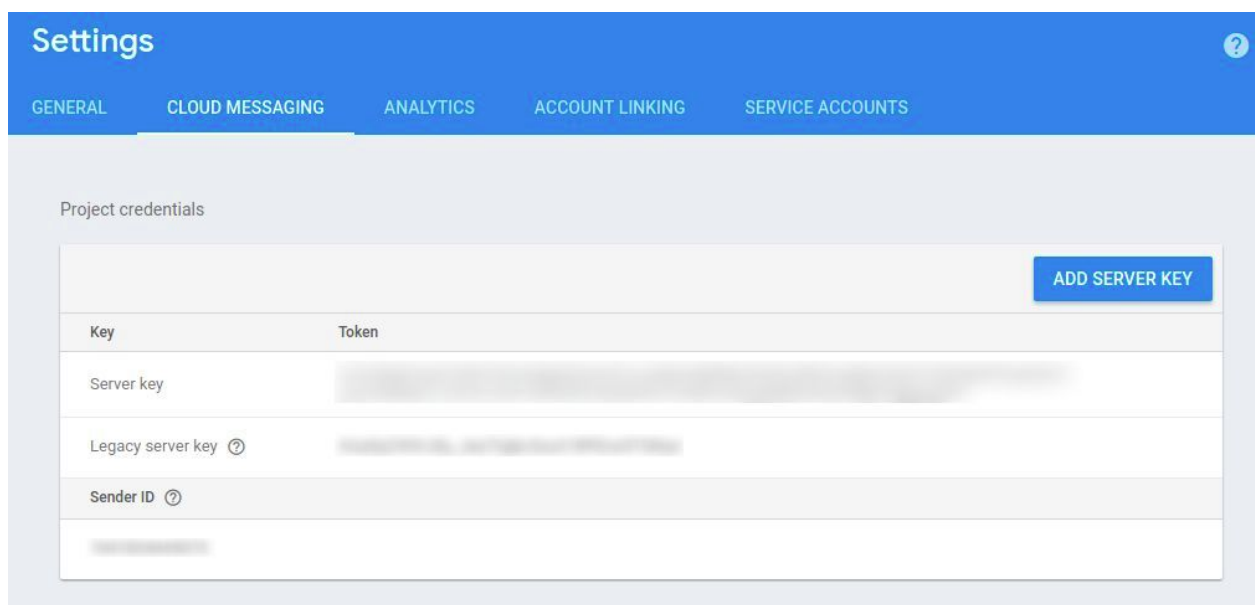
2. In the pop-up window that appears, enter your Project Name, Select your Country/Region and click on Create project.



3. Now click on the Settings icon and select Project Settings option.



4. Now, click the CLOUD MESSAGING tab. Here you will find your Project Credentials. Copy and save your Server Key and Sender ID as displayed below.



Enter these credentials in the Push Notification settings section of your PWA extension configuration tab.

Get a config snippet for your web app

To get a config snippet for a web app:

1. Sign in to Firebase and open your project.
2. On the **Overview** page, click **Add app**.
3. Select **Add Firebase to your web app**.
4. Copy the snippet and add it to the Firebase Config Snippet in the push notification settings.

Sending Push Notifications

You can send push notifications from the Manage notifications section.

Notification Templates

   admin ▾

Add New Notification Template

Add new Notification Template - Enter the title for the template for your reference, the notification title that would be the title of the actual notification that is sent out, the body of the notification, the URL, and the icon to be displayed.

Add New Notification Template



admin ▾

← Back

Reset

Save Template

Template Title *

Notification Title *

Body *

Url

Enter the proper url

Icon

Upload

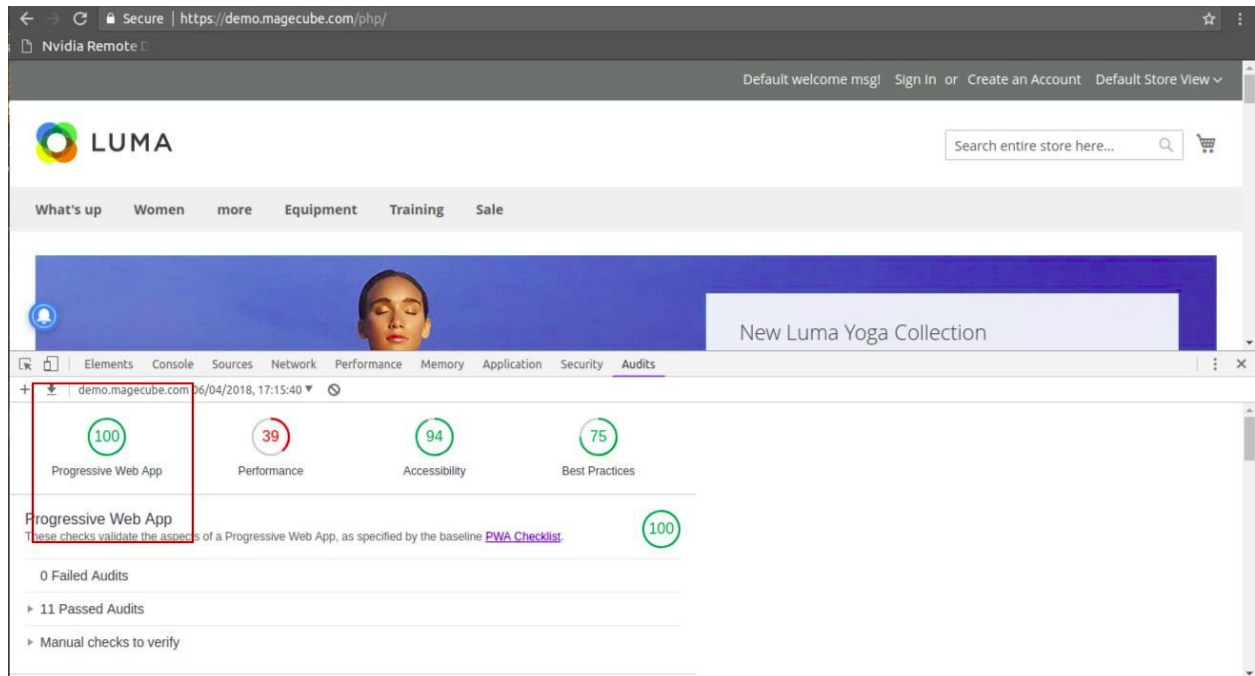
Allowed types: png, gif, jpg, jpeg.

Send notifications

<input type="checkbox"/>	ID ↑	Icon	Template Name	Notification Title	Url	Action
<input type="checkbox"/>	2		New Arrivals	New Arrivals!!!	https://example.com/new-arrivals	Select ▴
<input type="checkbox"/>	1		Diwali offer	Diwali offer never seen!!	https://example.com/diwali-offer	Send Notification Edit Delete

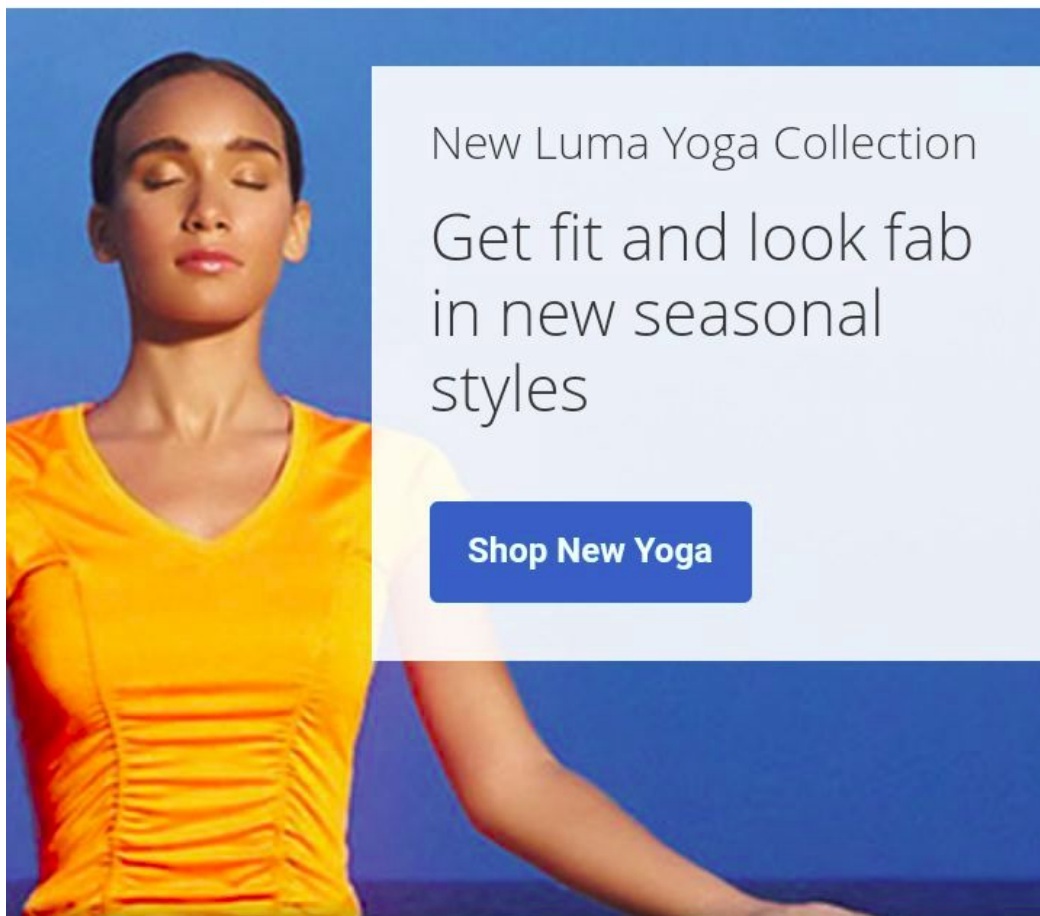
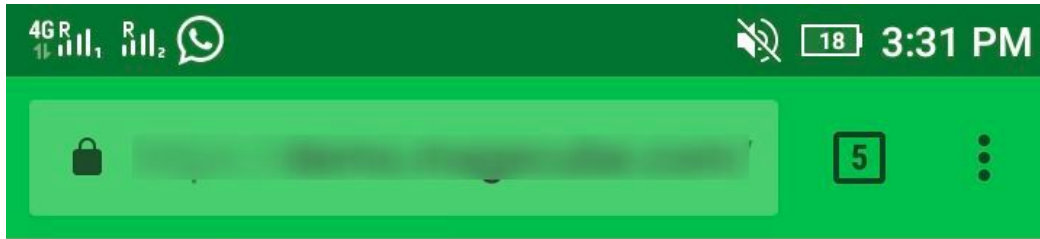
Lighthouse Report - You can check whether all of your Progressive Web App (PWA) features are in order or not using Lighthouse. Lighthouse is an open-source tool from Google that audits a web app for PWA features.

PWA report for our demo:



Front End -

A pop-up with the Add to Homescreen option will appear when a customer visits the website for the first time on a mobile device browser.



Demo e-shop



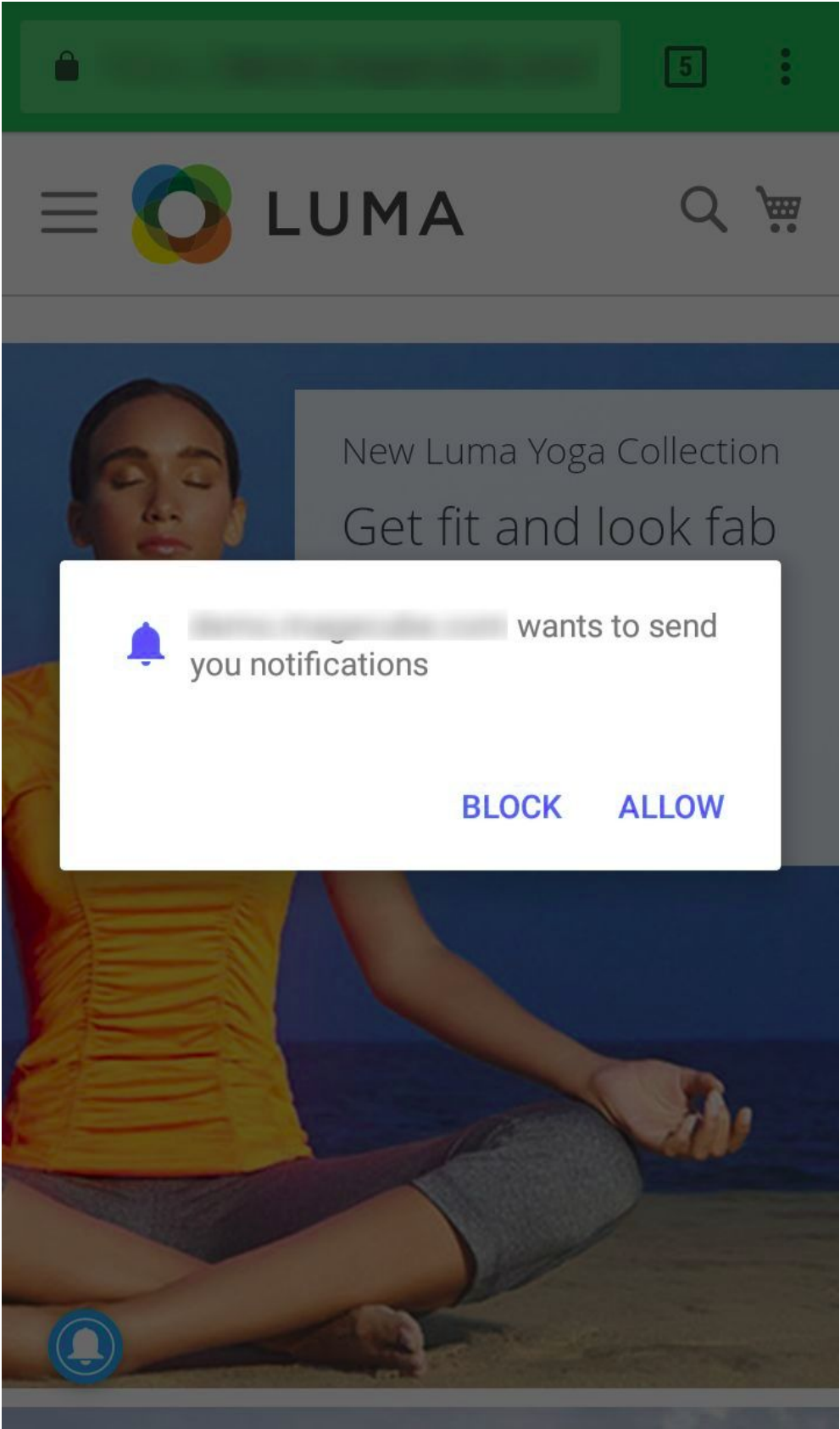
ADD TO HOME SCREEN

Note - The “Add to Home Screen” pop-up would not appear when display has been set as “Web page”. It would appear for fullscreen, standalone and minimal-ui display types

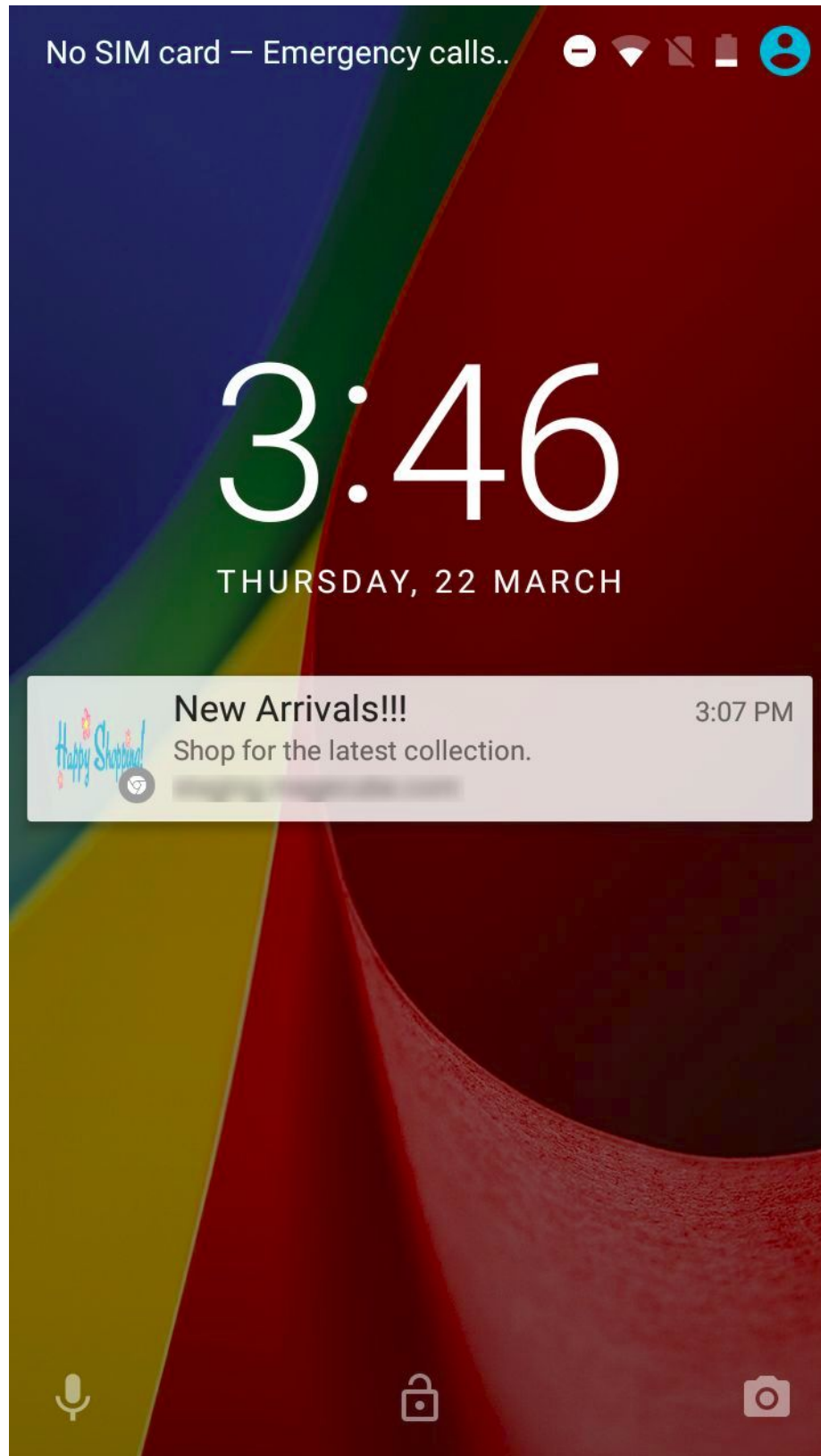
When the customer clicks on “Add to HomeScreen”, the app icon would appear on the home screen and it would work like a native app.



A pop-up requesting for the permission to send Push Notification will appear when a customer visits the website for the first time on a mobile device browser.



Push notification received



That's all about our Progressive Web App extension for Magento 2. If you have any query / suggestion / feedback, please [contact us](#) here.