

Progressive Web App for Magento 2

by CedCommerce Products Documentation

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1. Overview

Progressive Web Application (PWA) by CedCommerce for *Magento 2* provides an enhanced app-like experience comprising the best and latest web capabilities. PWA is different from the traditionally used apps. They are rather experiences that bring to the table the best of both the worlds of websites and apps.

Key features :

- **Homescreen Shortcut:** Customers will be able to add the app shortcut to their mobiles home screen to experience app-like features using our *Magento 2* progressive web application.
- **Push Notification:** Notification will be sent to customers even when the browser is not open for any event on *Magento 2* website.
- **Offline Mode Operation:** The progressive app will work even when there is poor or no internet connectivity on your *Magento* site for the pages which are already visited by the customer.
- **Improves load speed:** It will improve the page load speed of your *Magento* website.

2. Configuration

After installation of the module, admin can configure it by going to *Stores > Configuration > PWA > PWA Configuration*. Here, admin can edit the application name, icon, background color and many other setting related to it.

Configuration

Store View: Default Config ?

- PWA
- PWA Configuration
- GENERAL
- CATALOG
- CUSTOMERS
- SALES
- SERVICES
- ADVANCED

General

Enable PWA System Yes [STORE VIEW]

Manifest Settings

Name Demo Pwa [STORE VIEW]

A name for use in the Web App Install banner.

Description Demo Pwa [STORE VIEW]

Short Name Demo Pwa [STORE VIEW]

A short name for use as the text on the users home screen.

Start URL http://demo.cedcommerce.com/magento2/m2.0.9 [STORE VIEW]

Specifies the URL that loads when a user launches the application from a device. If given as a relative URL, the base URL will be the URL of the manifest.

Background Color #FFFF00 [STORE VIEW]

The background color member describes the expected background color of the web application. Example: #2196F3

Theme Color #FFFF00 [STORE VIEW]

The theme color member property sets the color of the toolbar. Example: #2196F3

Display Type Fullscreen [STORE VIEW]

Select the type how a web app is displayed.

Orientation Any [STORE VIEW]

Define the default orientation for the web app's top level browsing contexts.

App Icon Choose file No file chosen [STORE VIEW]

Delete Image Allowed file types: jpg, jpeg, gif, png

Icon Size 72x72 96x96 128x128 256x256 334x106 512x512 [STORE VIEW]

A string containing space-separated image dimensions.

Push Notification configuration

API Key AlzaSyBQ3h9RjwIGXyh9_jyWWIMFtcA3VQj1yNM [STORE VIEW]

Project Id mypwproject-191610 [STORE VIEW]

Sender Id 235074620166 [STORE VIEW]

Server Key AlzaSyCTJUSg77VLTQryQgx12FepBC9c5n-GuIlg [STORE VIEW]

Blacklist URL [STORE VIEW]

Enter the url's you want not to be cached. Multiple urls should be separated by comma. Use "/" for homepage. Example: checkout/cart.

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Enable PWA System:

It is there to enable or disable the module by setting the status “Yes” or “No”

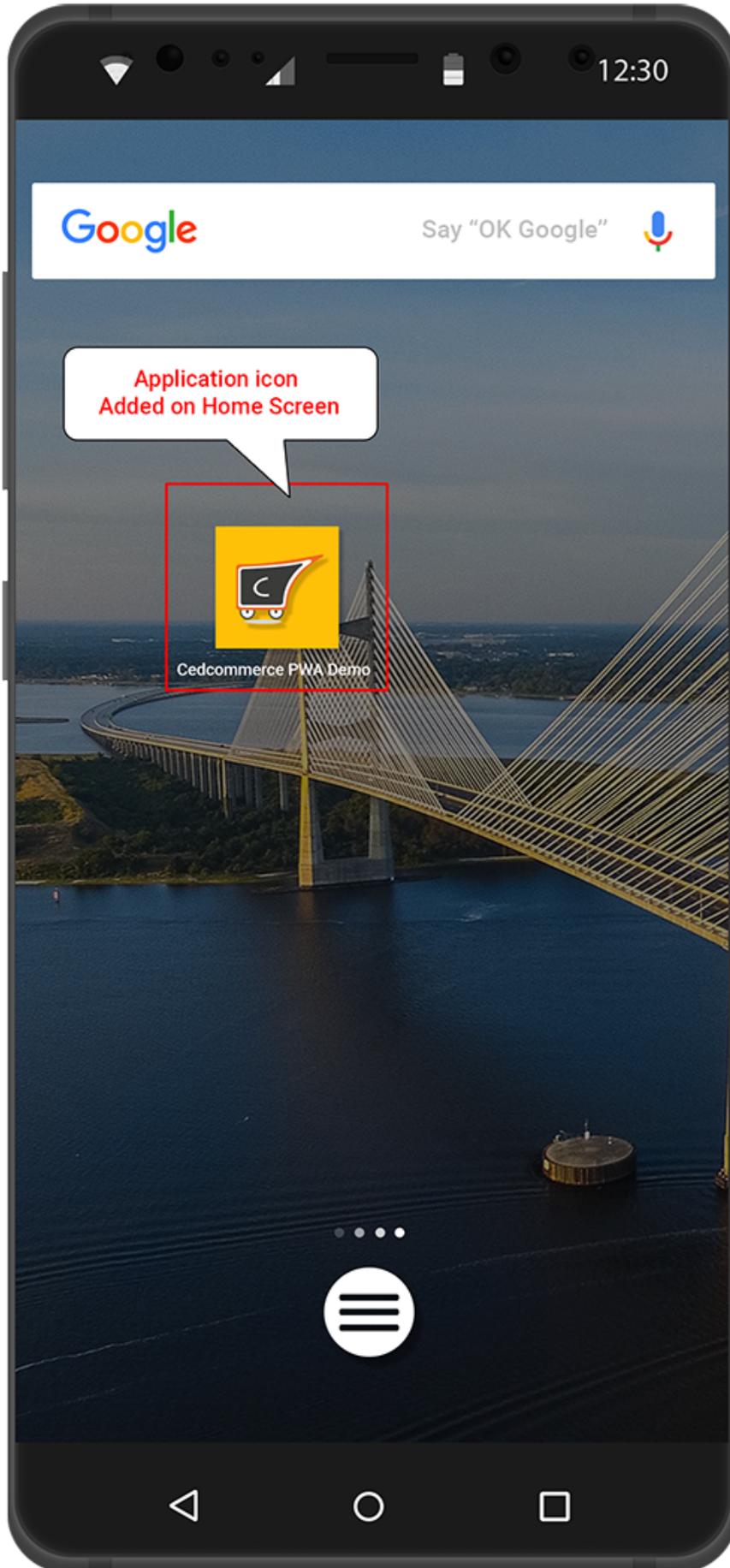
-

Manifest Setting

-

Name:

Application Name (A name for use in the Web App Install banner.)



Application icon
Added on Home Screen



o

Description:

o

Short Name:

A short name is used as the text on the users home screen.

o

Start URL:

This field Specifies the URL that loads when a user launches the application from a device. If given as a relative URL, the base URL will be the URL of the manifest.

o

Background Color:

The background color member describes the expected background color of the web application.
"Example: #2196F3"

o

Theme Color:

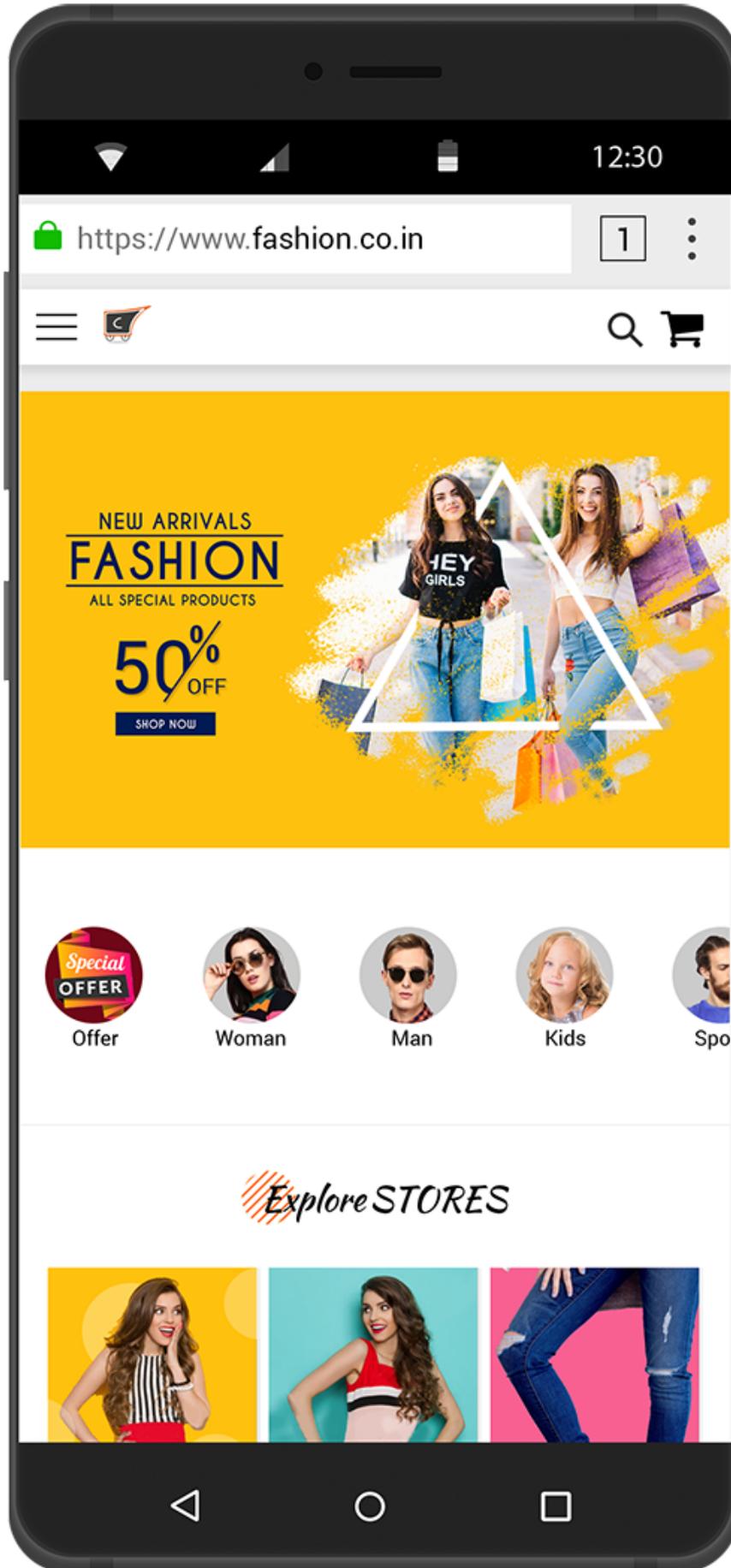
The theme color member property sets the color of the toolbar. "Example: #2196F3"

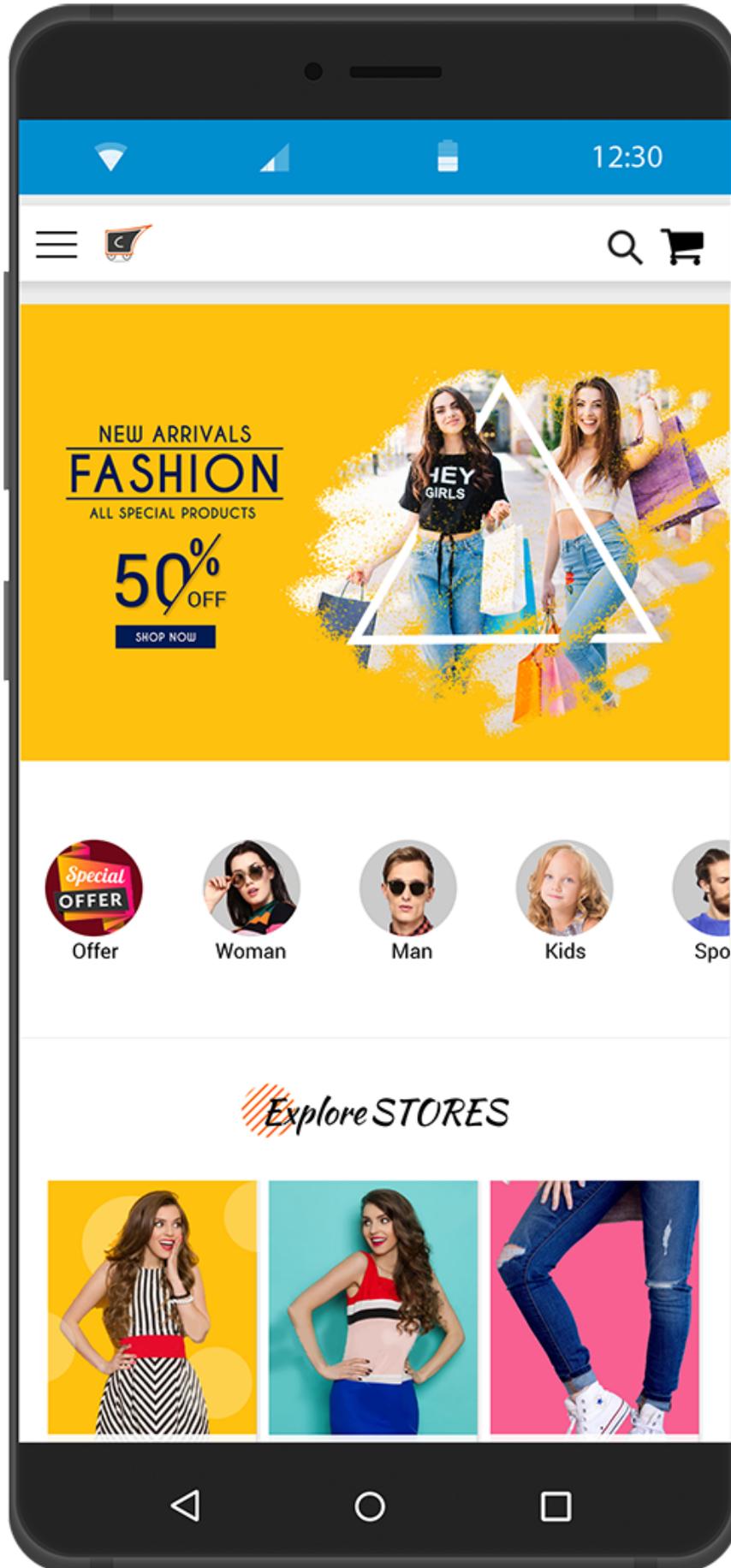
o

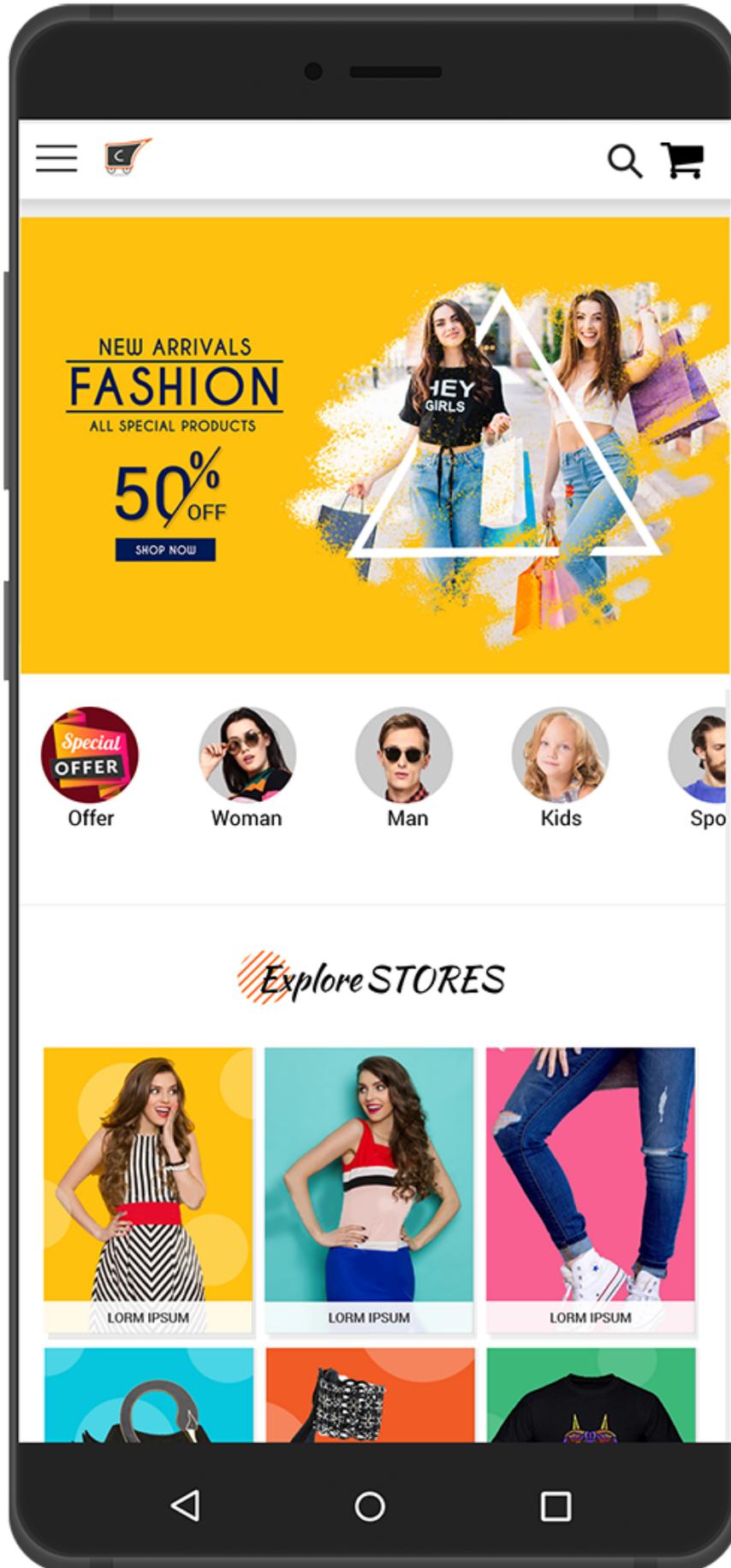
Display Type:

Select the type how a web app is displayed.

- FullScreen
- Standalone
- Minimal-UI
- Browser







Webpage / Minimal UI Standalone App Fullscreen App

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Orientation:

Define the default orientation for the web app's top-level browsing contexts.

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App Icon:

Add the image that will act as the PWA icon for your store. Allowed file types: jpg, jpeg, gif, png

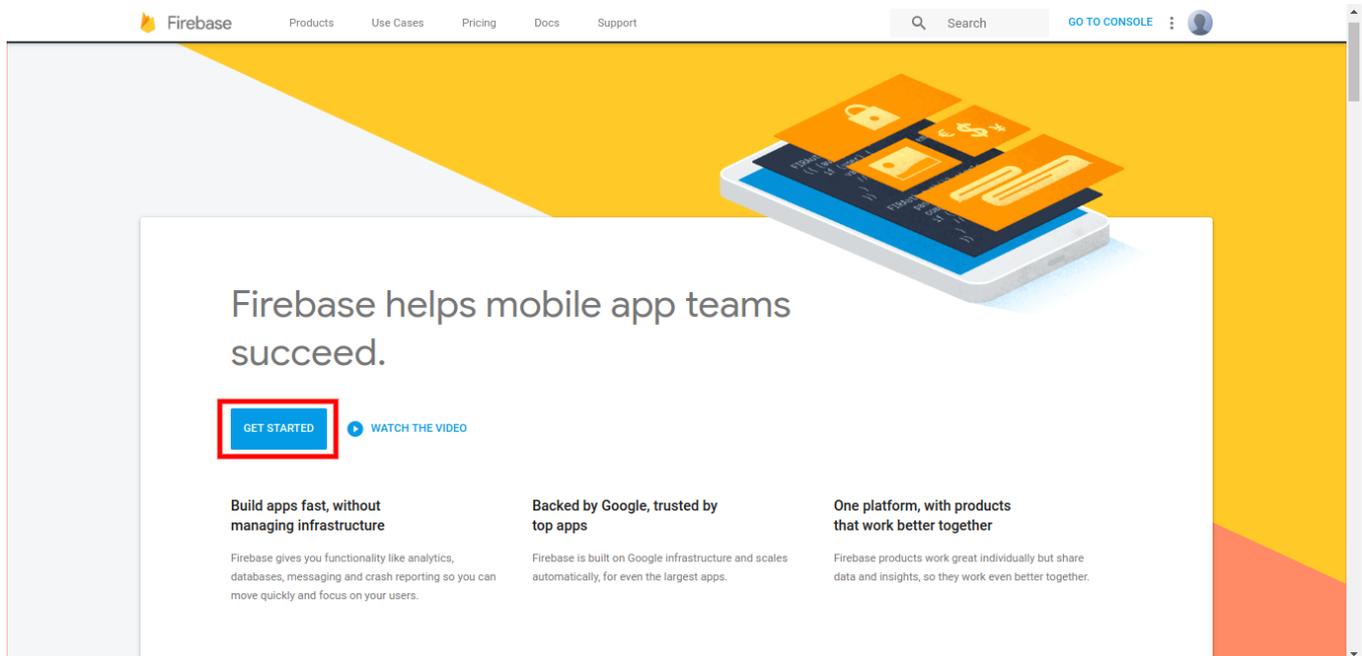
o

Icon Size:

This will allow the size of the icons that you wish to have, A string containing space-separated image dimensions.

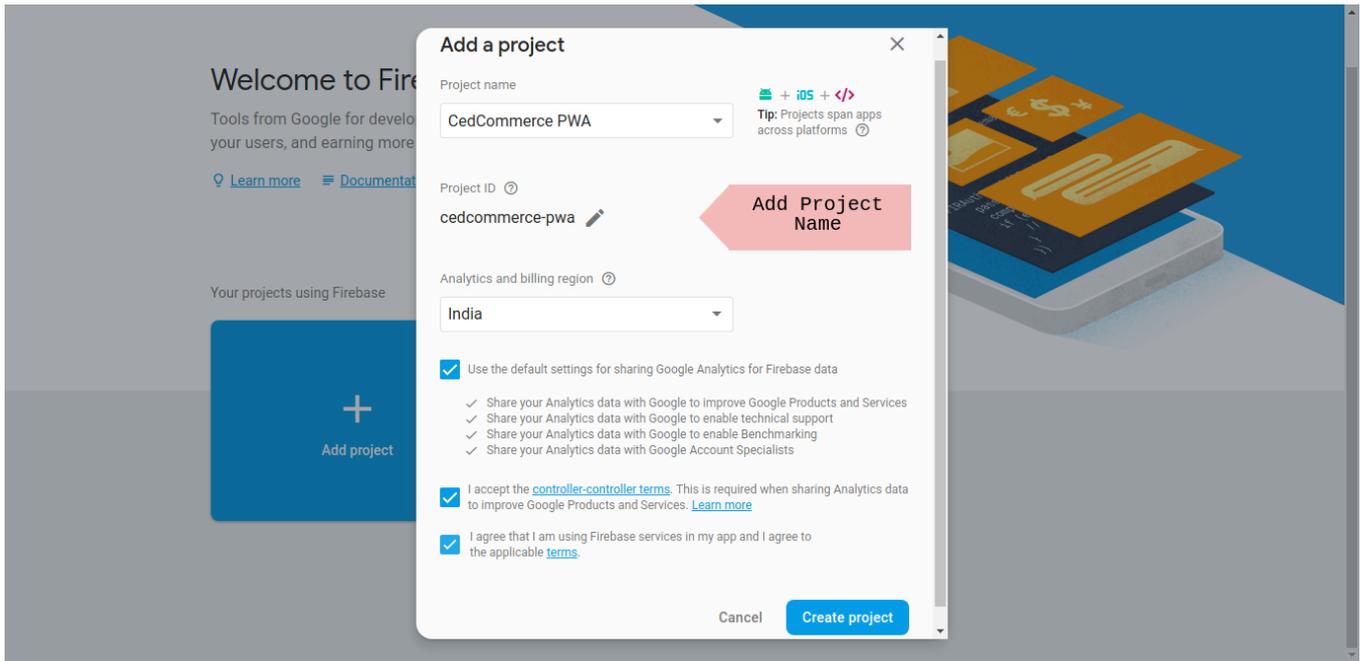
Admin needs to Create a Firebase Product Credentials in order to use this module, you need to have Firebase Project Credentials, which will be used in the Magento configuration.

1. After opening the Firebase website, please click **GET STARTED** button as shown in the below screenshot.



2. A small pop-up window will appear with the name of **ADD PROJECT**, here you have to enter your Project Name and then select your Country/Region.

3. After completing the details click **CREATE PROJECT** button.



PUSH NOTIFICATION CONFIGURATION

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API Key:

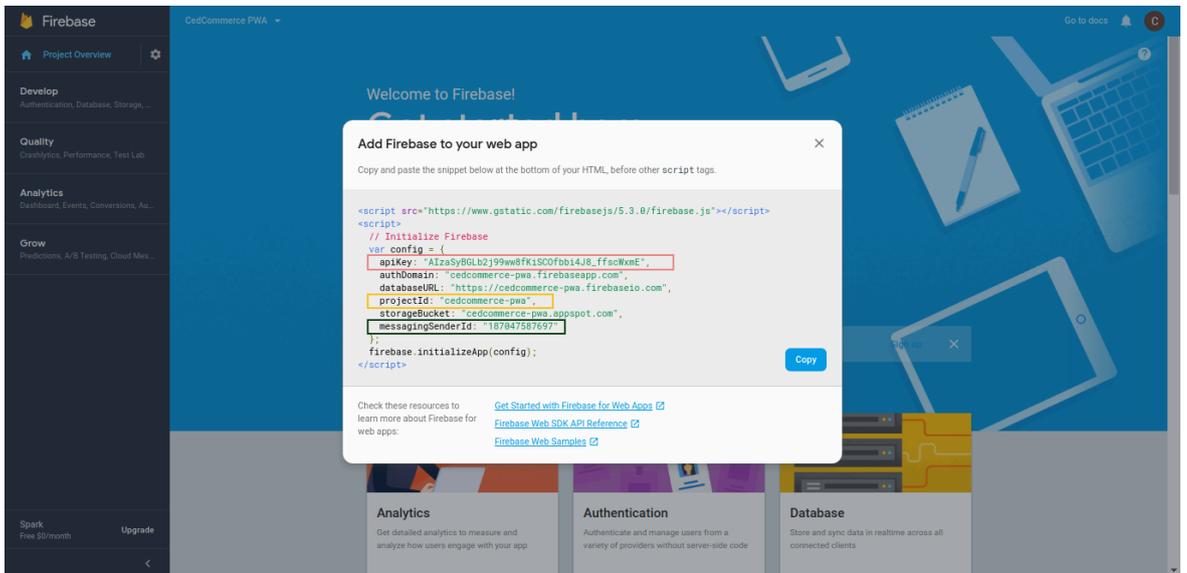
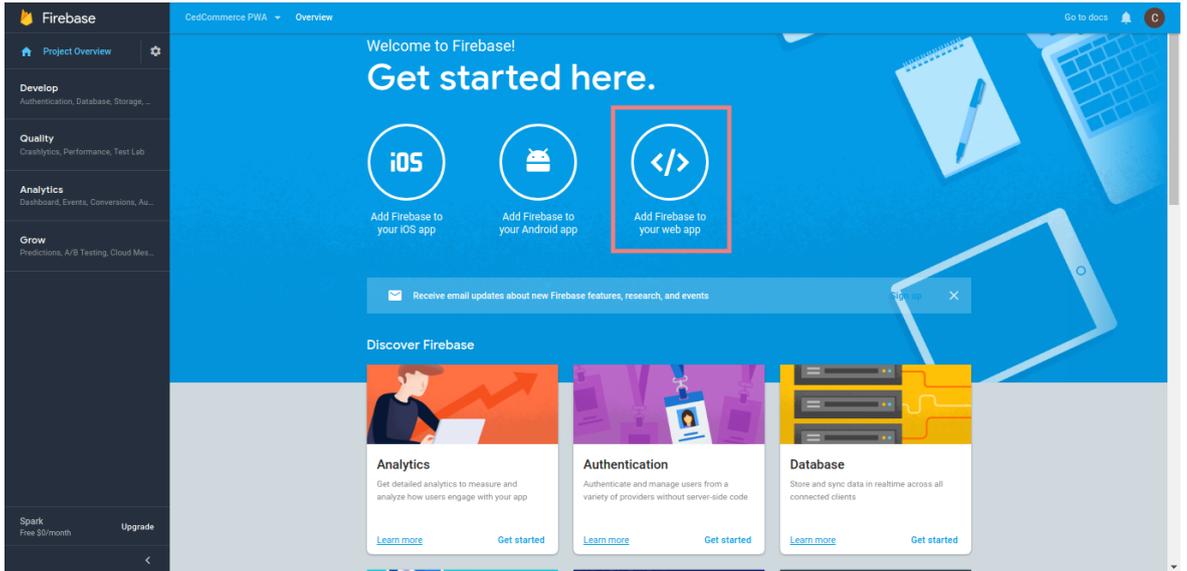
-

Project Id:

-

Sender Id:

After creating the project from Firebase click on “Add Firebase to web App”

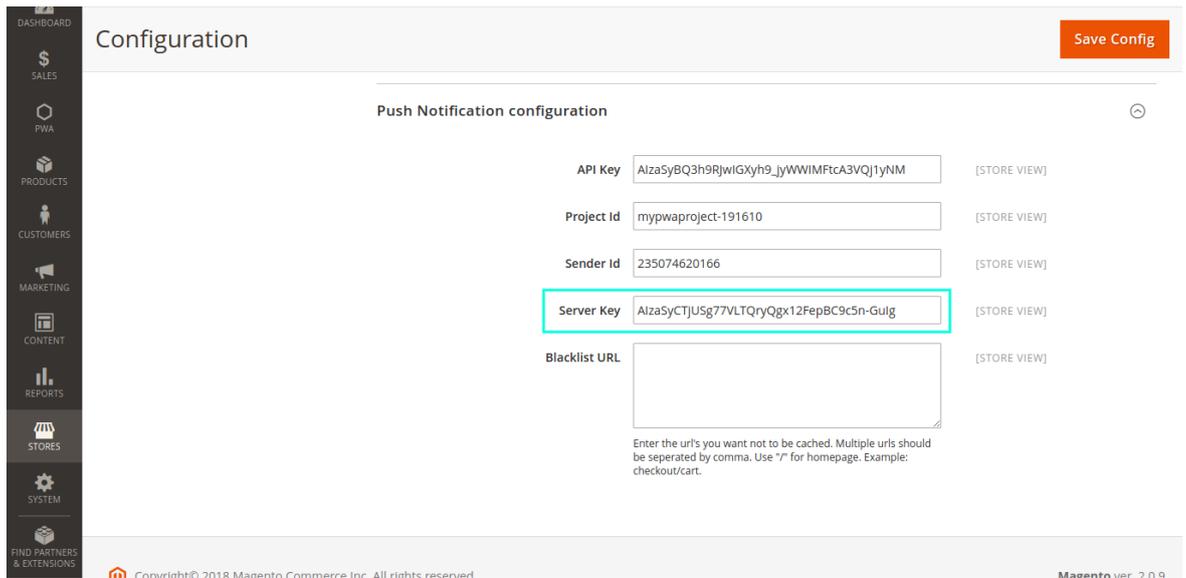


The screenshot shows the 'Configuration' page in Magento 2, specifically the 'Push Notification configuration' section. The page has a sidebar on the left with navigation options: DASHBOARD, SALES, PWA, PRODUCTS, CUSTOMERS, MARKETING, CONTENT, REPORTS, STORES, SYSTEM, and FIND PARTNERS & EXTENSIONS. The main content area is titled 'Push Notification configuration' and contains several input fields, each with a '[STORE VIEW]' label to its right. The fields are: 'API Key' (value: AlzaSyBQ3h9RjwIGXyh9_jyWWIMFtcA3VQJ1yNM), 'Project Id' (value: mypwproject-191610), 'Sender Id' (value: 235074620166), 'Server Key' (value: AlzaSyCTJUSg77LTQryQgx12FepBC9c5n-Gulg), and 'Blacklist URL' (empty). Below the 'Blacklist URL' field, there is a note: 'Enter the url's you want not to be cached. Multiple urls should be separated by comma. Use "/" for homepage. Example: checkout/cart.' A 'Save Config' button is located in the top right corner of the configuration area.

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Server Key:

The screenshot shows the Firebase console interface for 'CedCommerce PWA'. The left sidebar contains navigation options: Project Overview, Develop, Quality, Analytics, Grow, and Spark. The main content area is titled 'Settings' and has a sub-tab 'Cloud Messaging' selected. Under 'Project credentials', there is a table with two columns: 'Key' and 'Token'. The table contains three rows: 'Server key' (with a long alphanumeric token), 'Legacy server key' (value: AlzaSyCqcfD2p2U2let8vS8Za2bvpzch-Wfm26w), and 'Sender ID' (value: 187047587697). An 'Add server key' button is located in the top right of the table. Below the table, there is a section for 'iOS app configuration' with a note: 'You don't have an iOS app'.



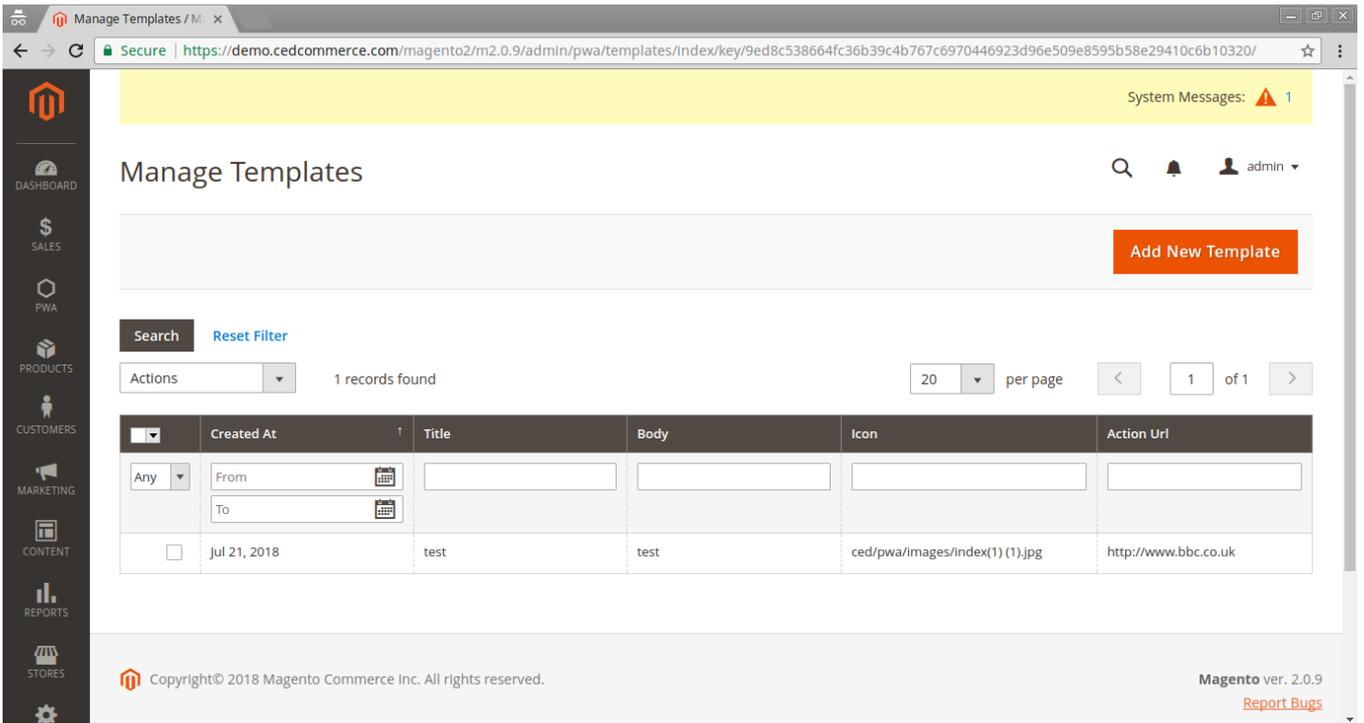
3. Push Notification

Admin can manage the Push Notifications Template and users by going to **PWA > Manage Template**.

From here admin can add/edit or delete any Push Notification template. Admin can also enable or disable any push notification and even can 'Push' the notification message to a specific user or even to all the users by selecting and clicking on "Send Notification".

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Manage Template



Click on **“Add New Template”** to create a new Push Notification that will be sent to the list of registered user

You will see the form field that needs to be filled out for sending the notification.

test

test

← Back Delete Reset Save

GENERAL INFORMATION

General

Edit Item

Title * Sale 80%

Body * 80% discount on all products.

Action Url * http://www.cedcommerce.com

Icon Choose file No file chosen Delete Image

Manage Templates

Search   admin ▾

[Add New Template](#)

Search [Reset Filter](#)

Actions ▾ 1 records found 20 ▾ per page < 1 of 1 >

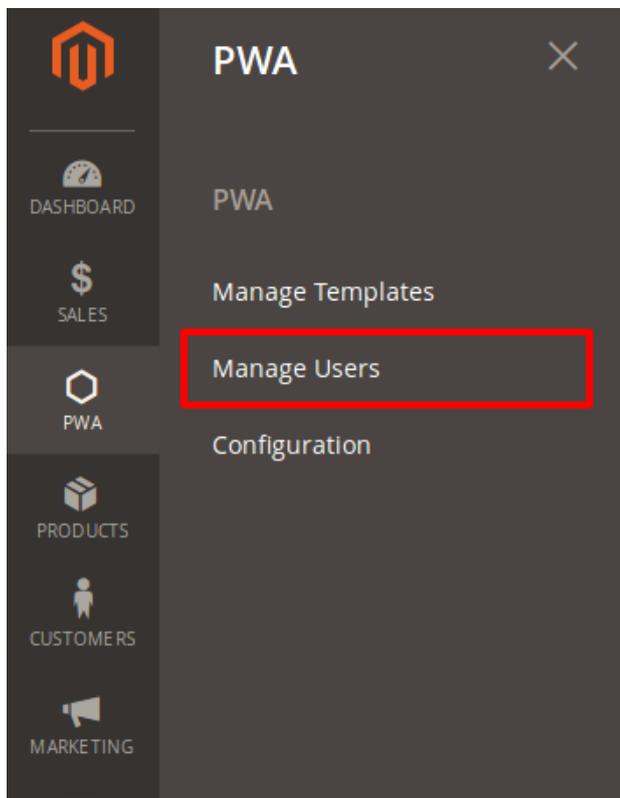
<input type="checkbox"/>	Created At ↑	Title	Body	Icon	Action Url
<input type="checkbox"/>	Jul 21, 2018	Sale 80%	80% discount on all products.	ced/pwa/images/Logo.png	http://www.cedcommerce.com

This is a push notification that is created by the admin that will be sent to every user of PWA.

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Manage User

From here admin can check and manage the user who all has registered to PWA feature, and from this panel, he has the complete access on each user like delete or sent any push notification individually selecting his profile.



Manage Users

Search [Reset Filter](#)

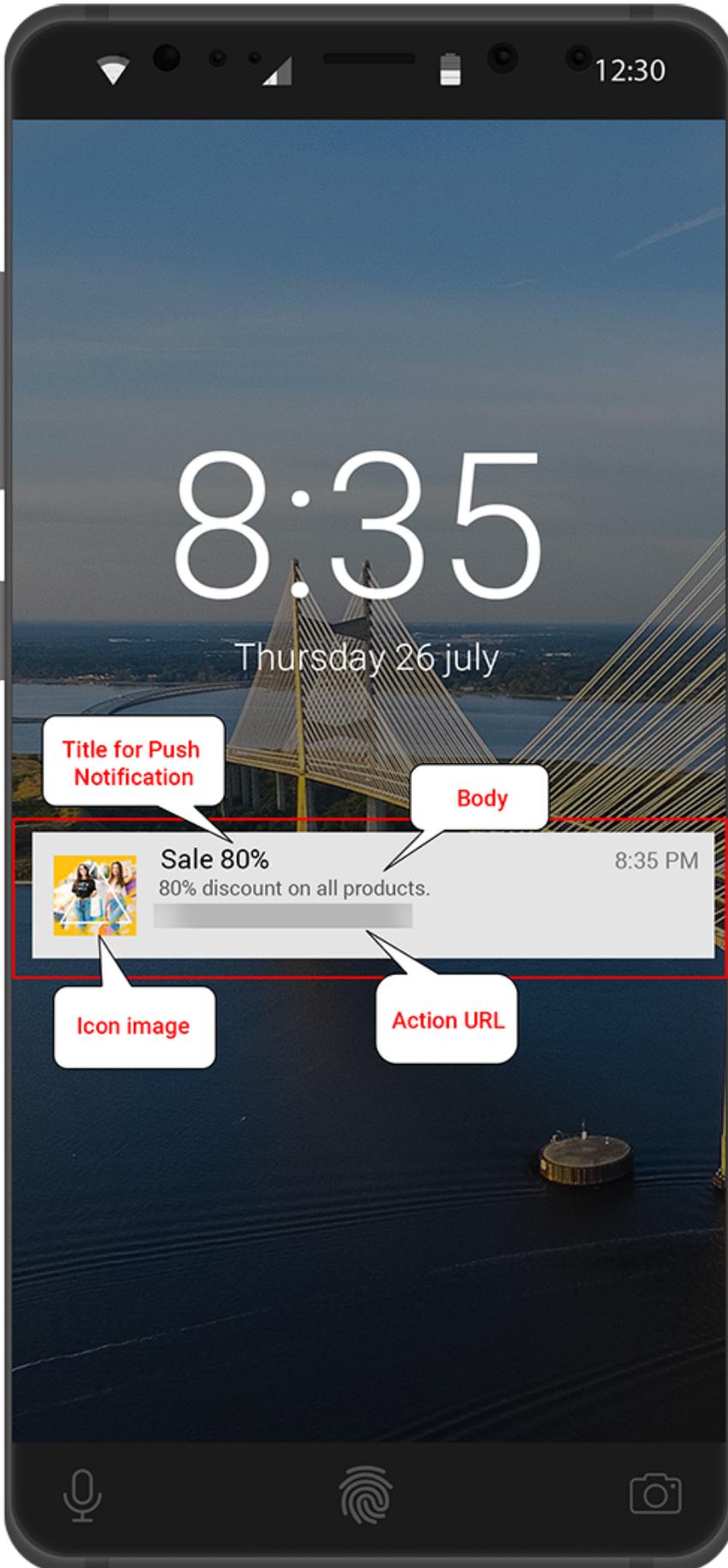
Send Notification ▼ Template Sale 80% ▼ Submit 44 records found (44 selected) 100 per page 1 of 1

<input type="checkbox"/>	Created At	Token
<input type="checkbox"/>	Jul 30, 2018	cN45AGva72A:APA91bETJtsKm29ssZ0zvOtPeky2_1t1Do5eLTZdRAT0yctC-CnLHfrAZiCoGImNAZkGgESJa5obkEu0Cm_Jku35cZC59Pak-QQOWHWOCCL_vu3kMuLwDbIgnZon4FJF35ftBU1HGI_Jp5TUAAPkv2lrvvQH3xrJA
<input checked="" type="checkbox"/>	Jul 30, 2018	ftotL4bDP6Q:APA91bExNFfi4VzeNw5KpNFm33R-dBCLH1EVFEQ9eFTURWmXz1OLjHfkqnNb4t:CYbcnutn1FpzcBljbxZ-Hs4PN2DPweoJy8bfHscU1T9D8KC1LbapN-xQVxwXMat
<input checked="" type="checkbox"/>	Jul 30, 2018	cFDwz5FwHg:APA91bF5-Cv9JnqQJXYKDQ8DAPChbdyGakGASLK7RKO04UTJNnt9NV2gO2iOwPaAcHG1FDcxOEskepEDia_KeZ0hU87uFoVtwNrWvtFmct1X80_zU7H9TlaL704ZJl
<input checked="" type="checkbox"/>	Jul 30, 2018	em0FHjYa99o:APA91bG3pR5MeWn7VWha3o-Uyf3zjJXDKKEYIVt5XAYoptXFwuRwpdgtzp3opkiA8QdLKCj5dPyK7zxKwmDL35gxF5wRTPjkL0MRk2mazrB7zku6whlq_ylC7lwGjmANMpsymuKSYGosWjn6aWF4o_1EeOoXLRHTB

Admin can select the Specific user to whom he wants to send the notification else he can select all from the above option, and then mark them to **“Send Notification”**, now if the admin has formed out various Push Notification template he can choose from all that which Push notification Template needs to be sent and then click on **“Submit”**

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Customer Mobile Screen



Now a customer can click on the notification and get diverted to the URL mention as set while setting the Template in Manage Template

4. Support

If you need any support or have questions directly related to CedCommerce Progressive Web Application, please use our Online Message Form to contact our support team or send us an email at support@cedcommerce.com

Regards
CedCommerce Inc.