

User Manual for REST API for Medpick Web Application



Version 1.0

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Revision History

Name	Date	Reason For Changes	Version
Software Requirement Document			

1. Introduction

1.1. Purpose

Medpick is an online B2B platform for medical supplies, devices, equipment, and pharmaceuticals in India. In short, we call it Alibaba for medical supplies. Small to medium sized hospitals, retail pharmacies, home healthcare agencies, diagnostic laboratories can access our platform to streamline their procurement. We have developed web and mobile applications, customized software to facilitate the entire process. The company is operational in the Indian market and we collaborate with companies around the world as needed. The main purpose of this project is to build RESTful APIs for Medpick to sync the data between Web and Mobile Application.

1.2. Intended Audience and Reading Suggestions

This document is intended for Developers, Users, Testers and Project Managers. This document covers a brief description of Rest-API for Medpick Web Application. It will help you understand the users and the use cases scenarios for the website. Further, we have described the key features of the website and the requirements of this Project. This document also provides details of software components which would be required to set up the project.

Users who are looking to learn the functionality and scope of REST-API for Medpick Web application should read through sections 2, 3 and 5..

Users who are looking to test the application can proceed to sections 2 and read sections 4 and section 5 before section 3.

1.3. Product Scope

The website is based on WordPress and we need to create APIs for every page. We also need to make sure that the data is synced between both, web and mobile applications. It is expected that the APIs should fetch and display all the data to the page.

1.4. References

<https://medpick.in/>

<https://woocommerce.github.io/woocommerce-rest-api-docs/>

2. Overall Description

2.1. Product Perspective

Rest-API for Medpick Web Application for providing data of the current website to mobile application developers. The current website is based on Wordpress. And we have to create Rest APIs for the Medpick website.

2.2. Product Functions

2.2.1. Product function:

- Sync website and mobile data
- Retrieve and display the data

2.2.2. Login safety requirements

- Separate admin login interface and customer login interface

2.3. User Classes and Characteristics

There are 3 types users of Medpick:

- Administrator who has the maximum permission on the site and manages the website.
- Vendors who sell the products.
- End users who will purchase from the website.

2.4. Operating Environment

Operating environment for the REST-API of Medpick Web application is as listed below.

- Client/server system
- Operating system: Windows, MacOS.
- Database: Mysql
- Platform: WordPress
- Language: PHP

3. Setup plugin

3.1. Installation plugin

3.1.1. How to install plugin into client WordPress website.

- Install plugin into WordPress website by following Methods: -
- **Method 1:-** Upload plugin direct from WordPress admin
 1. Login into WordPress website
 2. Go to Plugins options and Click on Add new button for add new plugins.

WordPress 5.6 is available! [Please update now.](#)

Plugins [Add New](#)

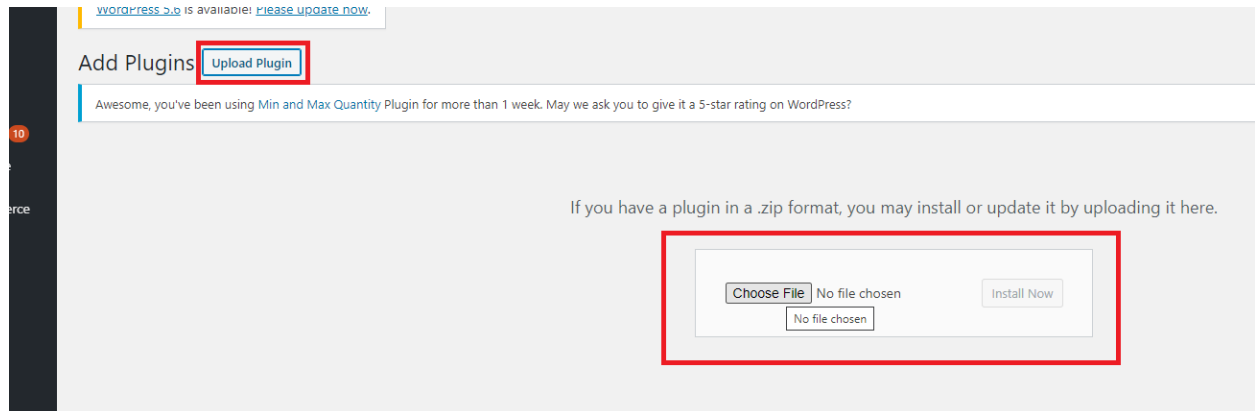
Awesome, you've been using [Min and Max Quantity Plugin](#) for more than 1 week. [View details](#)

All (17) | [Active \(15\)](#) | [Inactive \(2\)](#) | [Update Available \(12\)](#) | [Auto-updates Disabled \(1\)](#)

Bulk actions [Apply](#)

<input type="checkbox"/>	Plugin	Descri
<input type="checkbox"/>	Akismet Anti-Spam Activate Delete	Used b the Aki Versior
<div> There is a new version of Akismet Anti-Spam available. View version 4.1.</div>		
<input type="checkbox"/>	Custom API for Madpick Deactivate	REST-A Versior
<input type="checkbox"/>	ELEX WooCommerce Role Based Pricing (BASIC) Settings Documentation Premium Upgrade Support Deactivate	Hide a selecte Versior
<input type="checkbox"/>	Hello Dolly Activate Delete	This is activat Versior

3. Click on Upload Plugin button and upload plugin (.zip) file

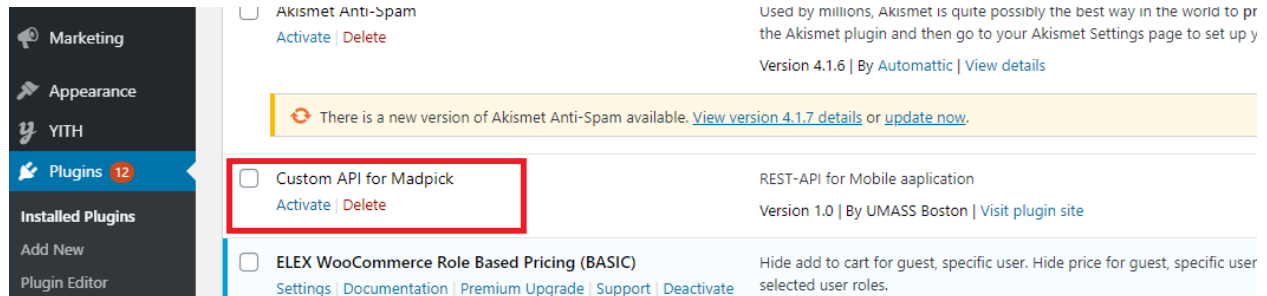


- **Method 2:-** Upload plugin directly through FTP or Winscp
- 1. Upload the `custom-api.zip` to the `/wp-content/plugins/` directory
- 2. Activate the plugin through the 'Plugins' menu in WordPress
- 3. Get started from Dashboard > custom-api

/wp-content/plugins/					
Name	Size	Changed	Rights	Owner	
..					
akismet		9/1/2020 1:54:17 PM	rwxr-xr-x	5046638	
custom-api		11/27/2020 7:07:01 PM	rwxr-xr-x	5046638	
elex-woocommerce-role-based-pricing...		11/23/2020 3:59:35 AM	rwxr-xr-x	5046638	
hunk-companion		9/25/2020 5:46:05 AM	rwxr-xr-x	5046638	
lead-form-builder		9/25/2020 5:48:11 AM	rwxr-xr-x	5046638	
minmax-quantity-for-woocommerce		10/30/2020 2:39:27 AM	rwxr-xr-x	5046638	
one-click-demo-import		9/25/2020 5:49:29 AM	rwxr-xr-x	5046638	
themehunk-megamenu-plus		9/25/2020 5:49:03 AM	rwxr-xr-x	5046638	
under-construction-page		9/25/2020 6:42:22 AM	rwxr-xr-x	5046638	
wc-frontend-manager		9/25/2020 5:54:45 AM	rwxr-xr-x	5046638	
wc-multivendor-marketplace		9/25/2020 5:53:55 AM	rwxr-xr-x	5046638	
wc-multivendor-membership		9/25/2020 5:55:55 AM	rwxr-xr-x	5046638	
woocommerce		11/23/2020 3:59:57 AM	rwxr-xr-x	5046638	
wp-popup-builder		9/25/2020 5:48:29 AM	rwxr-xr-x	5046638	
yith-woocommerce-compare		9/25/2020 5:47:37 AM	rwxr-xr-x	5046638	
yith-woocommerce-wishlist		9/25/2020 5:47:21 AM	rwxr-xr-x	5046638	
hello.php	3 KB	3/18/2019 12:19:50 PM	rw-r--r--	5046638	
index.php	1 KB	6/5/2014 10:59:14 AM	rw-r--r--	5046638	

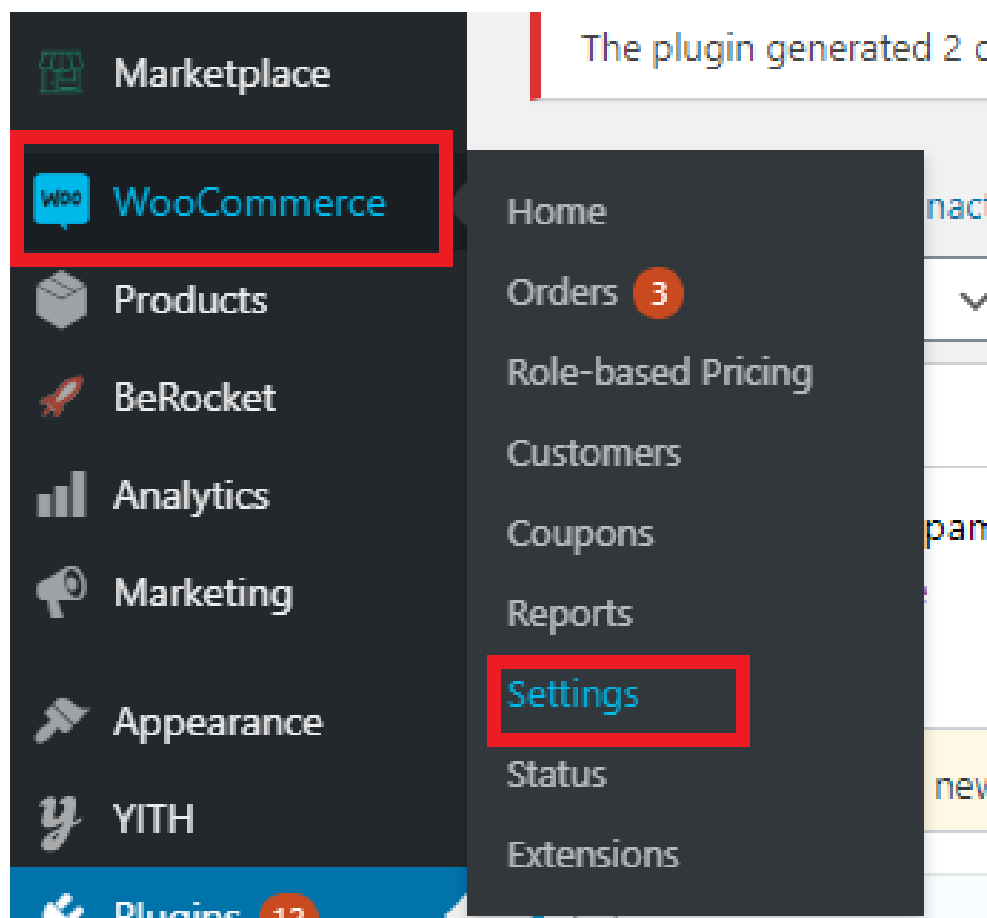
3.1.2. How to Activate plugin from website backend

- After successfully uploading the plugin, click on the Activate link of Custom API for the Madpick plugin.

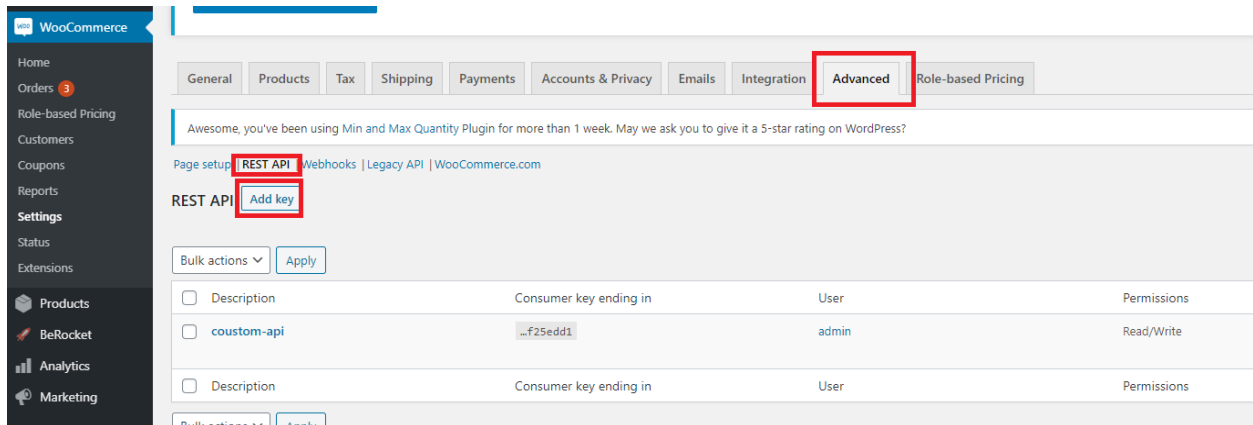


3.1.3. Set Authentication for APIs

- After activate plugin, Go to woocommerce -> setting for generating REST API authentication key.



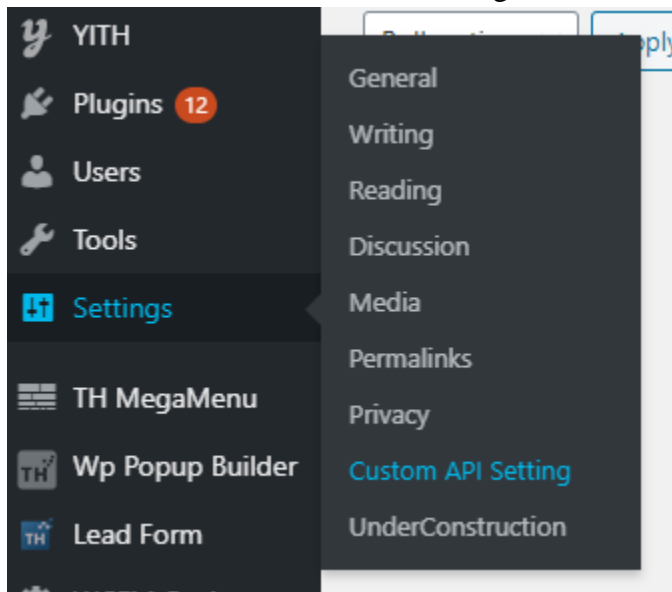
- In settings -> Go to Advanced -> REST API options



- In REST API, Click on Add Key button and Provide client name or mobile application name and you can assign to any user also for access this api and click on Generate API Key button for Generate Key.
- After Generate key, Copy Consumer key and Consumer Secret key into another document or text file for set authentication in Custom API plugin.



- Now Go to Website WordPress Settings -> Custom API setting



- Now, Copy and Past those Consumer Key and Consumer Secret key here and save it.

Custom API Settings

API Settings

Here you can set all the options for using the API

Consumer Key	<input type="text" value="ck_899a7369c51d60a702"/>
Consumer Secret key	<input type="text" value="cs_c8a40caa62bee6dcab"/>

- Now without basic authentication unknown user or publicly can not access REST API's
- Note: if you did not set Consumer key or Secret key then access by any users or client REST API's.

4. How to Use Postman tool

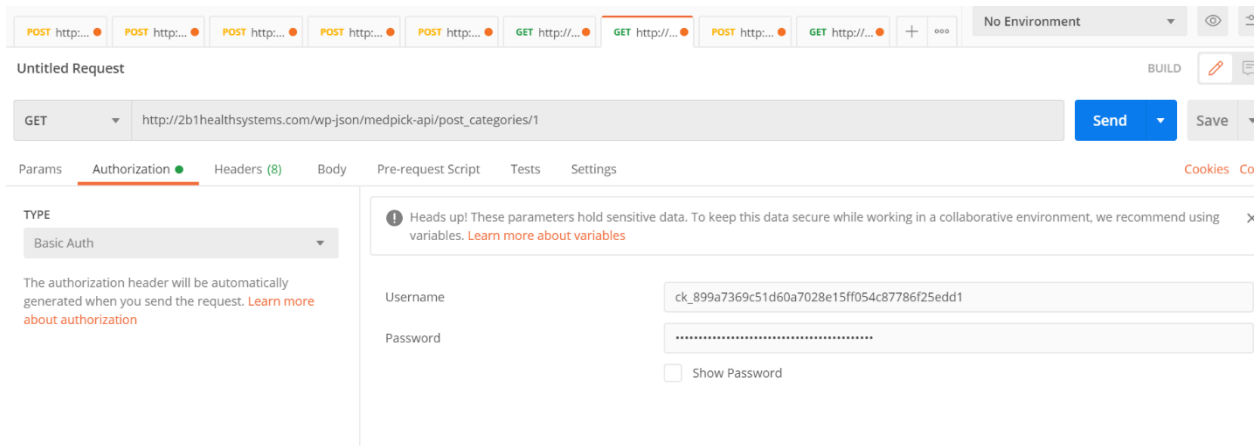
4.1. How to Set Basic Authentication

For Example, Authentication Details as below: -

Consumer Key: ck_899a7369c51d60a7028e1573723889217231

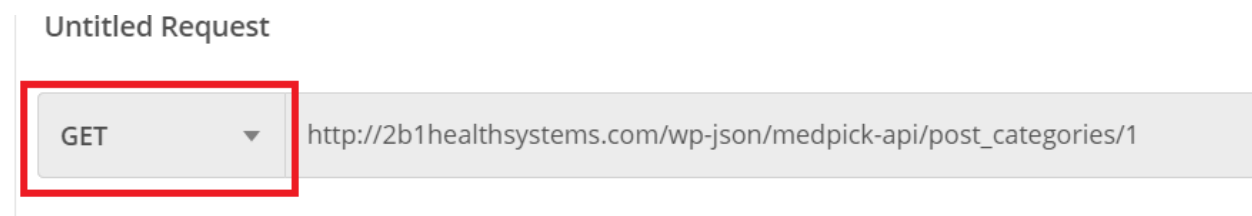
Consumer Secret: 218923917239871983179379172398178397

How to add set authorization in POSTMAN



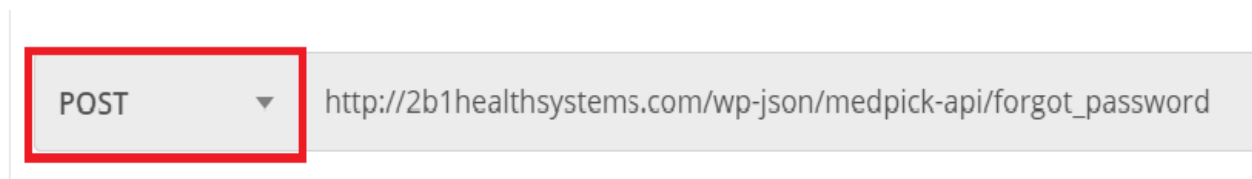
4.2. GET - Fetch data from site

GET WEBSITE Data:



4.3. POST - Send form data to site

POST DATA to WEBSITE:



5. How To test Rest API in Postman

Set up authentication in 4.1 when using all APIs.

Post API's

1. <http://2b1healthsystems.com/wp-json/medpick-api/posts>

Get all posts list from the website

GET	http://2b1healthsystems.com/wp-json/medpick-api/posts
-----	---

2. <http://2b1healthsystems.com/wp-json/medpick-api/posts/1>

Get post data by post id

GET	http://2b1healthsystems.com/wp-json/medpick-api/posts/1
-----	---

3. http://2b1healthsystems.com/wp-json/medpick-api/post_categories

Get all posts category

GET	http://2b1healthsystems.com/wp-json/medpick-api/post_categories
-----	---

4. http://2b1healthsystems.com/wp-json/medpick-api/post_categories/1

GET all Posts listing related to post categories id

GET	http://2b1healthsystems.com/wp-json/medpick-api/post_categories/1
-----	---

Page API

- <http://2b1healthsystems.com/wp-json/medpick-api/pages>

- Get all pages data from the website.

GET	http://2b1healthsystems.com/wp-json/medpick-api/pages
-----	---

User API's

1. <http://2b1healthsystems.com/wp-json/medpick-api/users>

Get all users data from the website

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/users
-----	---	---

2. <http://2b1healthsystems.com/wp-json/medpick-api/users/5>

Get user data by user id

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/users/5
-----	---	---

Home page slide image:

1. http://2b1healthsystems.com/wp-json/medpick-api/get_image/297

Get slide image of home page.

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/get_image/297
-----	---	---

Create Product API:-

<http://2b1healthsystems.com/wp-json/medpick-api/createProduct/>

Create products by sending product data. Json data format should use same format as following

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://2b1healthsystems.com/wp-json/medpick-api/createProduct/
- Body Type:** raw
- Body Format:** JSON
- Body Content:**

```
{  "post_content" : "from posman data",  "post_title" : "add a page from posman",  "post_type" : "product",  "post_status" : "publish",  "post_name" : "new page",  "post_author" : "1",  "_price" : "100",  "_regular_price" : "200",  "_sale_price" : "75",  "_sku" : "3234teste",  "_stock_status": "instock",  "_manage_stock": "yes",  "product_role_based_price_Hospital": "2000",  "product_role_based_price_Dealer": "2500",  "max_quantity": "10",  "min_quantity": "2",  "_low_stock_amount": "2",  "_weight": "2",  "product_length": "2",  "product_width": "2",  "product_height": "2",  "upsell_ids": "2",  "crosssell_ids": "2",  "_purchase_note": "2",  "menu_order": "2",  "_product_image_gallery": "48,50,40",  "_thumbnail_id": "51",  "_stock": "51",  "post_category" : [    {"term_id": "19"}, {"term_id": "17"}  ],  "_wcfmmp_profile_id": "2",  "vendor_id": "2"}
```

Product Listing API's:-

1. <http://2b1healthsystems.com/wp-json/medpick-api/product>

Get all product list from the website

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/product
-----	---	---

2. <http://2b1healthsystems.com/wp-json/medpick-api/product/129>

Get product data by product id

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/product/129
-----	---	---

3. <http://2b1healthsystems.com/wp-json/medpick-api/product/suspendisse-gravida-lacus-varius>

Get product data by slug

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/product/suspendisse-gravida-lacus-varius
-----	---	--

Product Categories API's:-

1. http://2b1healthsystems.com/wp-json/medpick-api/product_categories

Get all product categories

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/product_categories
-----	---	--

2. http://2b1healthsystems.com/wp-json/medpick-api/product_categories/19

Get all product list related to particular product category id

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/product_categories/19
-----	---	---

Vendors API's:-

1. <http://2b1healthsystems.com/wp-json/medpick-api/vendors>

Get all vendors data from the website.

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/vendors
-----	---	---

2. <http://2b1healthsystems.com/wp-json/medpick-api/vendors/2>

Get vendor detail by vendor id

GET	▼	http://2b1healthsystems.com/wp-json/medpick-api/vendors/2
-----	---	---

Post filter:

1. http://2b1healthsystems.com/wp-json/medpick-api/posts_after/30-07-2020

Filter posts by date(after some specific date)

Usage:

http://2b1healthsystems.com/wp-json/medpick-api/posts_after/ + **your_parameter**

GET	http://2b1healthsystems.com/wp-json/medpick-api/posts_after/30-07-2020
-----	---

2. http://2b1healthsystems.com/wp-json/medpick-api/posts_before/30-07-2020

Filter posts by date(before some specific date)

Usage:

http://2b1healthsystems.com/wp-json/medpick-api/posts_before/ + **your_parameter**

GET	http://2b1healthsystems.com/wp-json/medpick-api/posts_before/30-07-2020
-----	---

3. http://2b1healthsystems.com/wp-json/medpick-api/posts_category/Uncategorized

Filter posts by posts category

Usage:

http://2b1healthsystems.com/wp-json/medpick-api/posts_category/ + **your_parameter**

GET	http://2b1healthsystems.com/wp-json/medpick-api/posts_category/Uncategorized
-----	---

4. http://2b1healthsystems.com/wp-json/medpick-api/posts_tag/phone

Filter posts by post tag

Usage:

http://2b1healthsystems.com/wp-json/medpick-api/posts_tag/ + **your_parameter**

GET	http://2b1healthsystems.com/wp-json/medpick-api/posts_tag/phone
-----	---

Product filter:

1. http://2b1healthsystems.com/wp-json/medpick-api/products_tag/apple/

Filter products by a product tag.

Usage:

http://2b1healthsystems.com/wp-json/medpick-api/products_tag/ + **your_parameter**

GET	http://2b1healthsystems.com/wp-json/medpick-api/products_tag/apple/
-----	---

2. http://2b1healthsystems.com/wp-json/medpick-api/products_category/new-arrival/

Filter products by product category

Usage:

http://2b1healthsystems.com/wp-json/medpick-api/products_category/ +

your_parameter

GET

http://2b1healthsystems.com/wp-json/medpick-api/products_category/new-arrival/

3. http://2b1healthsystems.com/wp-json/medpick-api/products_after/22-07-2020/

Filter products by product date(after some specific date)

- Usage:

http://2b1healthsystems.com/wp-json/medpick-api/products_after/ + **your_parameter**

GET

http://2b1healthsystems.com/wp-json/medpick-api/products_after/22-07-2020/

4. http://2b1healthsystems.com/wp-json/medpick-api/products_before/22-07-2020/

Filter products by product date(before some specific date)

- Usage:

http://2b1healthsystems.com/wp-json/medpick-api/products_before/ + **your_parameter**

GET

http://2b1healthsystems.com/wp-json/medpick-api/products_before/22-07-2020/

5. http://2b1healthsystems.com/wp-json/medpick-api/products_onsale

Filter products by products which are on sale.

Usage:

GET

http://2b1healthsystems.com/wp-json/medpick-api/products_onsale

Order's API:-

1. <http://2b1healthsystems.com/wp-json/medpick-api/orders/320>

Get order data detail by order id.

GET

http://2b1healthsystems.com/wp-json/medpick-api/orders/320

2. <http://2b1healthsystems.com/wp-json/medpick-api/users/7/orders>

Get orders id list of user by user id.

GET

http://2b1healthsystems.com/wp-json/medpick-api/users/7/orders

3. <http://2b1healthsystems.com/wp-json/medpick-api/vendors/1/orders>

Get involved orders id list by vendor id.

GET

http://2b1healthsystems.com/wp-json/medpick-api/vendors/1/orders

Payment API:-

<http://2b1healthsystems.com/wp-json/medpick-api/payment/>

Return all payment method which provided for this website.

GET

http://2b1healthsystems.com/wp-json/medpick-api/payment/

Register API:-

<http://2b1healthsystems.com/wp-json/medpick-api/register>

POST Form Data for register: -

POST

http://2b1healthsystems.com/wp-json/medpick-api/register

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

KEY	VALUE
<input checked="" type="checkbox"/> user_pass	medpick1
<input checked="" type="checkbox"/> username	medpick2
<input checked="" type="checkbox"/> email	medpick123@gmail.com
<input checked="" type="checkbox"/> display_name	jmedpick
<input checked="" type="checkbox"/> last_name	medpic
<input checked="" type="checkbox"/> billing_phone	7894561355
<input checked="" type="checkbox"/> notify	both

Login API:-

<http://2b1healthsystems.com/wp-json/medpick-api/login>

POST Form Data for Login:-

POST http://2b1healthsystems.com/wp-json/medpick-api/login

Params Authorization Authorization Headers (10) Body Pre-request Script Tests

none form-data x-www-form-urlencoded raw binary GraphQL

	KEY	VALUE
<input checked="" type="checkbox"/>	username	medpick2
<input checked="" type="checkbox"/>	password	Text medpick1

View profile API:-

http://2b1healthsystems.com/wp-json/medpick-api/edit_profile

POST http://2b1healthsystems.com/wp-json/medpick-api/edit_profile

Params Authorization Authorization Headers (10) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

	KEY	VALUE
<input checked="" type="checkbox"/>	user_id	Text 25 + ...

Update profile API:-

http://2b1healthsystems.com/wp-json/medpick-api/save_profile

POST ▼ http://2b1healthsystems.com/wp-json/medpick-api/save_profile

Params Authorization ● Headers (10) ● **Body ●** Pre-request Script Tests Settings

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL

KEY	VALUE
<input checked="" type="checkbox"/> user_id	25
<input checked="" type="checkbox"/> first_name	test_first_name
<input checked="" type="checkbox"/> last_name	test_last_name
<input checked="" type="checkbox"/> mobile	+8573088562
<input checked="" type="checkbox"/> nickname	nickname
<input checked="" type="checkbox"/> password	goumb123456
<input checked="" type="checkbox"/> old_password	application.qa1234
<input checked="" type="checkbox"/> pincode	02125
<input checked="" type="checkbox"/> user_email	application.qa1234@gmail.com
<input checked="" type="checkbox"/> billing_first_name	bfn
<input checked="" type="checkbox"/> billing_last_name Text ▼	bln
<input checked="" type="checkbox"/> billing_company	company1
<input checked="" type="checkbox"/> billing_address_1	address1
<input checked="" type="checkbox"/> billing_address_2	address2
<input checked="" type="checkbox"/> billing_city	Dorchester > ...
<input checked="" type="checkbox"/> billing_postcode	02125
<input checked="" type="checkbox"/> billing_phone	2561145201
<input checked="" type="checkbox"/> billing_email	app@gmail.co
<input checked="" type="checkbox"/> billing_country	United States
<input checked="" type="checkbox"/> billing_state	Massachusetts

Forget password API:-

http://2b1healthsystems.com/wp-json/medpick-api/forgot_password

POST ▼ http://2b1healthsystems.com/wp-json/medpick-api/forgot_password

Params Authorization ● Headers (10) ● **Body ●** Pre-request Script Tests Settings

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL

KEY	VALUE
<input checked="" type="checkbox"/> username	application.qa1

Add Cart API:-

<http://2b1healthsystems.com/wp-json/medpick-api/addcart>

Add products into cart. Following json data example to send data for adding into cart.

The screenshot shows a REST client interface with the following components:

- Method and URL:** A dropdown menu shows "POST" (highlighted with a red box) and the URL "http://2b1healthsystems.com/wp-json/medpick-api/addcart".
- Tabs:** "Params", "Authorization", "Headers (11)", "Body" (selected and underlined), "Pre-request Script", "Tests", and "Settings".
- Body Type:** A row of radio buttons for "none", "form-data", "x-www-form-urlencoded", "raw" (selected), "binary", and "GraphQL". To the right, "JSON" is displayed with a dropdown arrow.
- JSON Body:** A code editor with line numbers 1 through 6. The JSON content is:

```
1 {  
2   "products" : [  
3     {"productid": "127", "quantity" : 5},  
4     {"productid": "129", "quantity" : 2}  
5   ]  
6 }
```

Taxes API: -

1. <http://2b1healthsystems.com/wp-json/medpick-api/taxes>

Get all tax listing from the website.

GET

▼

http://2b1healthsystems.com/wp-json/medpick-api/taxes

2. <http://2b1healthsystems.com/wp-json/medpick-api/taxes/1>

Get tax data by tax id

GET

▼

http://2b1healthsystems.com/wp-json/medpick-api/taxes/1

Checkout API:-

<http://2b1healthsystems.com/wp-json/medpick-api/checkout/>

RAW json file attached in this email, use this json format to send data to website for checkout.

POST

▼

http://2b1healthsystems.com/wp-json/medpick-api/checkout

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1  {
2    "userid" : 25,
3    "email" : "test@test.com",
4    "billing_first_name" : "a",
5    "billing_last_name" : "b",
6    "billing_company" : "",
7    "billing_phone" : "999999",
8    "billing_street_address": "31 Main Street",
9    "billing_address_2": "",
10   "billing_city": "Auckland",
11   "billing_state": "AKL",
12   "billing_postcode" : "12345",
13   "billing_country" : "AU",
14   "shipping_first_name" : "z",
15   "shipping_last_name" : "x",
16   "shipping_company" : "",
17   "shipping_phone" : "11111",
18   "shipping_street_address": "31 lock Drive",
19   "shipping_address_2": "",
20   "shipping_city": "Malbrough",
21   "shipping_state": "MA",
22   "shipping_postcode" : "12345",
23   "shipping_country" : "USA",
24   "products" : [
25     { "productid": "129", "quantity" : 5},
```