

PP_Knight_Store API Documentation

1. Version History

#	Version	Details	Date
1	1.0.0	5 APIs for PP_Knight_Store with 3 major APIs and 2 helping APIs	01-Aug-2020

2. List of APIs

#	API	HTTP Method	Info
2	Registration	POST	User registration to the API
1	Authentication	POST	Get Authorization to access the Major APIs
3	productDetails	GET	Get details of a product
4	productListBySeller	GET	Get product list by seller
5	sellerDetailsByProduct	GET	Get seller details for a product

Project Summary

Technologies

- Laravel version 7.22.4 with the use of “Laravel Passport” for the API authentication.
- PHP 7.2.32
- Database Driver & Version: MySql 8.0

Assumptions

- It has assumed that sellers have their own descriptions and images like in eBay.

APIs

Registration

HTTP Method: POST

Description: Add a new user with the granted API access.

Sample Usage: <http://localhost:8000/api/register>

Sample Request:

```
content-type: application/JSON
{
  "name" : "prabash",
  "password" : "123456",
  "password_confirmation" : "123456",
  "email" : "prabashdptwo@gmail.com"
}
```

Sample Response:

```
{
  "success": true,
  "data": {
    "token":
      "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJhdWQiOiJxliwianRpljoiYjFhMmQxMDU0ZTYyNDZiMjU1MWFiNlU1ZWUwNGZiMzgZTJkZmZjYzNkMmUzNzEyYThlNTkwZGlxZjYxMjAwNGRiYjE0NmQ4OWY3NDQ4YzEiLCJpYXQoOiJEOTYzMtIiwODesIm5iZil6MTU5NjMxMjA4MSwiZXhwIjojNjI0ODQ4MDgxLjZldWliOixliwic2NvcGVzIjpjbXXO.ADVJy9WMgZQxgp_c4nFRtgVmJJvb8v4B93jYeZnwTG7r1AasRPiU53CyISKsmsZVuyGT_pQGJ5QZtGwbdbHe9P-mnACslNIUnTbqFnwFtEtDLCSnDxhcOsLxSndHe9_Y671Gey0WIJp_MUI1la6HZ0ZINoOIxeRUa1CMBqwAwbgM6H1L-stvxPBfyrJz8Ea87NoGL__ONiaPxFJ862bjr7EyF20AcZce0WescL9J0dAF84Y3tq_edb7OJq-sFJBxd44LieY2zp03T8Vvgj4Ik-ukI75lhzbXzQ53fhyc5Plvl-b6Wb9vYsCc75CFes6HyGoqEDEmkesgtDIIS2QNScOv7f1EIBo7DzgWwES_CL60i5na8WnC81tp02dONrFM2Uqx62aAsY8BUVCi1kl3_Ol8pldVYXGTh5GyOL0vc5YmO8duSm_Wtm7_ZBOZhDC9fxMuOq6tFh1NEGKyZcsA8fy8AJeJez_Ylo7ppQopKEcatHimjWHT44GX2dq4fyZDae7EOig0wXZzirVZNiTbCPly42Am1R0KYhtMngTdCYJORVw8RxqwgQRPN5kd5noZpMZ3kVaYEokJPleIKzfGjtPpF2PL1uL-BNL4vEKUKjU4P-Jjclb_j8kR_Vf0Jcr-vel8oqvHvyFTp_vFJ9a1uve-K_Te-Vq229G7tz3Tw",
    "name": "prabash"
  },
  "message": "User registered successfully."
}
```

Field Description

Name	Description	Mandatory
Request		
name	Name of the user	YES
password	Password of the user	YES

}

Field Description

Name	Description	Mandatory
Request		
email	Earlier registered email	YES
Password	Password of the user	YES
Response		
access_token	Unique token to access API	
User { }	Some user specific data	

Get Product Details

HTTP Method: GET

Description: Get details of a product

Sample Usage: <http://localhost:8000/api/productDetails/1>

Sample Request:

```
Accept: application/json
Authorization: Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJhdWQiOiBxliwianRpljoiYmUzODM5NjlwZmZkZThkYzQyYTlzMjYyZWZDaxOGVmNGFhYjJkOWRIMjk5ZTJiY2JjZWQxYmZiZjM4YTdjZjk0NWRIY2EwYjAyOGE2Yjg1NGEiLCJpYXQiOiE1OTYyOTM1MjEsIm5iZiI6MTU5NjlmZUyMSwiZXhwIjozNjI0ODI5NTIxLClzdWliOiBxliwic2NvcGVzIjpjbXX0.sOrhR-9tlnmwsHbpJFUR334FH22LhycAbtd--u1Mr8bN7759eDc-7T0rL3X3E1t80fOZFpeeY0zJ7hcB3WsK3f9XMcz_gwOODLwlgzGrinljqHBbbJwwj1ljN7V73Hs-y3GLPTZIF8-Fvvj4JcTaBPr14EdXwWQgN3aVoDayfB9CU98nBMwaONzksrJC_hkZO4_1k4Sj8rP2oJ6m45kg47DrLIqS2-NHHASLPy7j8gGsLkau5_YmlsclA3U5otfrPyzPmt6WTt2RXWaBUw8tJnGWgVFQcEM5b_ugeecQvMJ7L2mPp8940nZor9DaDj9zpenDUc9uw-GxhjaDHx-clND62hTVLe4ygj-KDnWufolRLR7D9Q0AUH227BD8ITmckGpJW7pqjgY8Tmiv6Busq-k8UnFdKPCAlorWYC-z3YTicV_6X8ljyMc9c91D_OWP6Nq3yG1XGhhrg0yhDvh6M8QtYnS7KsjKWCMjca8dttmzj6Vwl67RMiyZOSyOcQ8u_xYwtwLqJ4BXE6DjQm8oc1Nb7NMavBARep-gxiABVTnHFO4VVW_17xqiYzCHU3ByOR4A6w7lh3U0-whx78ufYGRv75JU_InuNqhj5GZzisGOPmvWY3s3GrrcNIRuYPW-J0hTE-nSUH1mZ35pSK5NgtCrK7KP_gVxxBrd_czNo
```

Sample Response:

```
{
  "success": true,
  "data": [
    {
      "product_id": 1,
      "product_name": "Samsung S20+",

```

```
{
  "product_description": "Latest Flagship from Samsung",
  "category_id": 2,
  "product_status": "1",
  "created_at": "2020-08-01T23:02:14.000000Z",
  "updated_at": "2020-08-01T23:02:14.000000Z"
},
{
  "message": "Product has retrieved successfully."
}
```

Field Description		
Name	Description	Mandatory
Request		
Accept	Header type	YES
Authorization	Bearer access_token	YES
Response		
status	Response status	
message	Response message	

Get Product list by seller

HTTP Method: GET

Description: Get product list by seller

Sample Usage: <http://localhost:8000/api/productListBySeller/1>

Sample Request:

[illegible]

Sample Response:

```

{
  "success": true,
  "data": [
    {
      "id": 1,
      "product_id": 1,
      "seller_id": 1,
      "price": "120000.00",
      "seller_product image": null,
      "stock": 5,
      "seller_product_description": "With 1 Year Company Warranty",
      "seller_product_status": "1",
      "created_at": "2020-08-01T23:02:14.000000Z",
      "updated_at": "2020-08-01T23:02:14.000000Z",
      "product_name": "Samsung S20+",
      "product_description": "Latest Flagship from Samsung",
      "category_id": 2,
      "product_status": "1"
    },
    {
      "id": 2,
      "product_id": 2,
      "seller_id": 1,
      "price": "80000.00",
      "seller_product image": null,
      "stock": 3,
      "seller_product_description": "3 Years of Warranty",
      "seller_product_status": "1",
      "created_at": "2020-08-01T23:02:14.000000Z",
      "updated_at": "2020-08-01T23:02:14.000000Z",
      "product_name": "Iphone 11",
      "product_description": "Apple's new flagship",
      "category_id": 2,
      "product_status": "1"
    },
    {
      "id": 5,
      "product_id": 3,
      "seller_id": 1,
      "price": "160000.00",
      "seller_product image": null,
      "stock": 0,
      "seller_product_description": "3 years of comprehensive warranty",
      "seller_product_status": "1",
      "created_at": "2020-08-01T23:05:18.000000Z",
      "updated_at": "2020-08-01T23:05:19.000000Z",
      "product_name": "DELL 3521",
      "product_description": "DELL inspiron ",
      "category_id": 1,
      "product_status": "1"
    }
  ]
}

```

```

},
"message": "Product has retrieved successfully."
}

```

Field Description

Name	Description	Mandatory
Request		
Accept	Header type	YES
Authorization	Bearer access_token	YES
Response		
status	Response status	
message	Response message	

Get seller details for a product

HTTP Method: GET

Description: Get seller details for a product

Sample Usage: <http://localhost:8000/api/sellerDetailsByProduct/1>

Sample Request:

```

Accept: application/json
Authorization: Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJhdWQiOiJlxiwianRpljoiYmUzODM5NjIwZmZkZThkYzQyYTIzYWYzZDAxOGVmNGFhYjJkOWRIMjk5ZTJiY2JjZWQxYmZiZjM4YTdjZjk0NWRIY2EwYjAyOGE2Yjg1NGEiLCJpYXQoOiE1OTYyOTM1MjEslm5iZiI6MTU5NjI5MzUyMSwiZXhwljoxNjI3ODI5NTIxLCJzdWIiOiJlxiwic2NvcGVzIjpbXX0.sOrhR-9tllnmwsHbpJFUR334FH22LhycAbtd--u1Mr8bN7759eDc-7TOrL3X3E1t80fOZfpeeY0zJ7hcB3WsK3f9XMcz_gwOODLwlGzGrinljqHBbbJwwj1ljN7V73Hs-y3GLPTZIF8-Fvvj4JcTaBPr14EdXwWQgN3aVoDayfB9CU98nBMwAONzksrJC_hkZO4_1k4Sj8rP2oJ6m45kg47DrLIqS2-NHHASLPy7j8gGsLkau5_YmlsclA3U5oTfrPyzPmt6WTt2RXWaBUw8tJnGWgVFQcEM5b_ugeecQvMJ7L2mPp8940nZor9DaDj9zpenDUc9uw-GxhjaDHx-clND62hTVLe4ygj-KDnWufoIRLR7D9Q0AUH227BD8ITmckGpJW7pqjgY8Tmiv6Busq-k8UnFdkPcAlorWYC-z3YTicV_6X8lJyMc9c91D_OWP6Nq3yG1XGhhrg0yhDvh6M8QtYnS7KsjKWCmjca8dttmzj6Vwl67RMiyZOSyOcQ8u_xYwtwLqJ4BXE6DjQm8oc1Nb7NMaVBArEp-gxiABVTnHFO4VvWw_I7xqEiyZCHU3By0R4A6w7lh3U0-whx78ufYGRv75JU_InuNqhj5GZzisGOPmvWY3s3GrrcNIRuYPW-J0hTE-nSUH1mZ35pSK5NgtCrK7KP_gVxxBrd_czNo

```

Sample Response:

```

{
  "success": true,
  "data": [
    {
      "seller_id": 1,

```

```

    "seller_fname": "Prabash",
    "seller_lname": "Silva",
    "seller_description": "Computer Items seller",
    "seller_status": "1",
    "created_at": null,
    "updated_at": null
  },
  {
    "seller_id": 2,
    "seller_fname": "adam",
    "seller_lname": "john",
    "seller_description": "Mobile Distributor",
    "seller_status": "1",
    "created_at": null,
    "updated_at": null
  }
],
"message": "Product has retrieved successfully."
}}

```

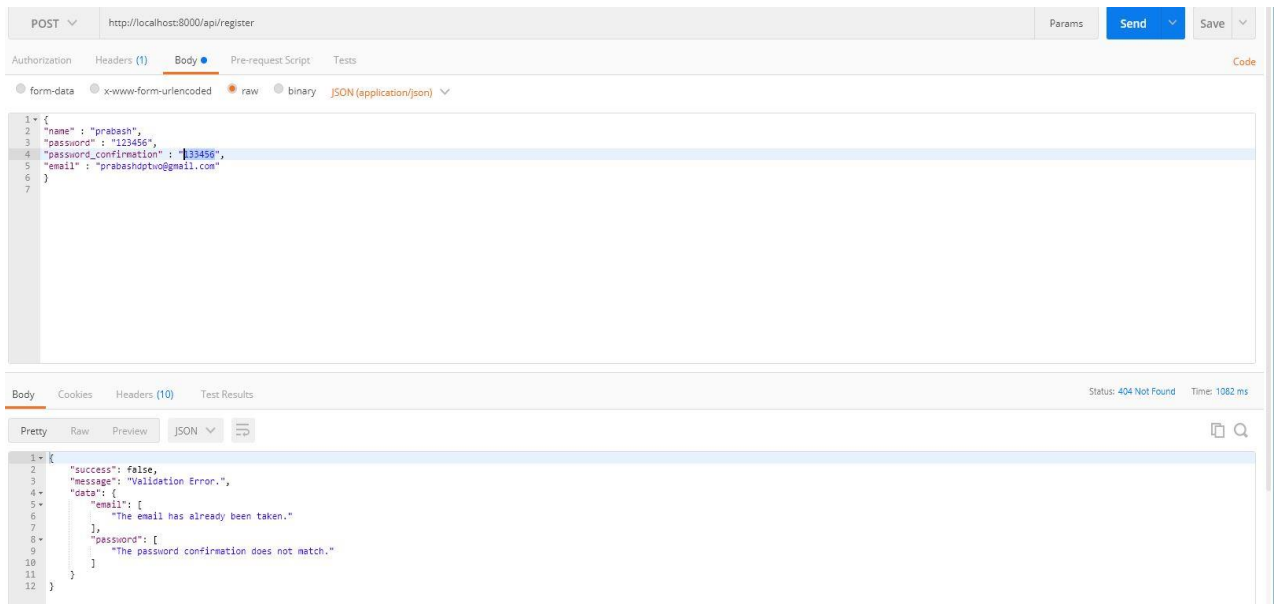
Field Description

Name	Description	Mandatory
Request		
Accept	Header type	YES
Authorization	Bearer access_token	YES
Response		
status	Response status	
message	Response message	

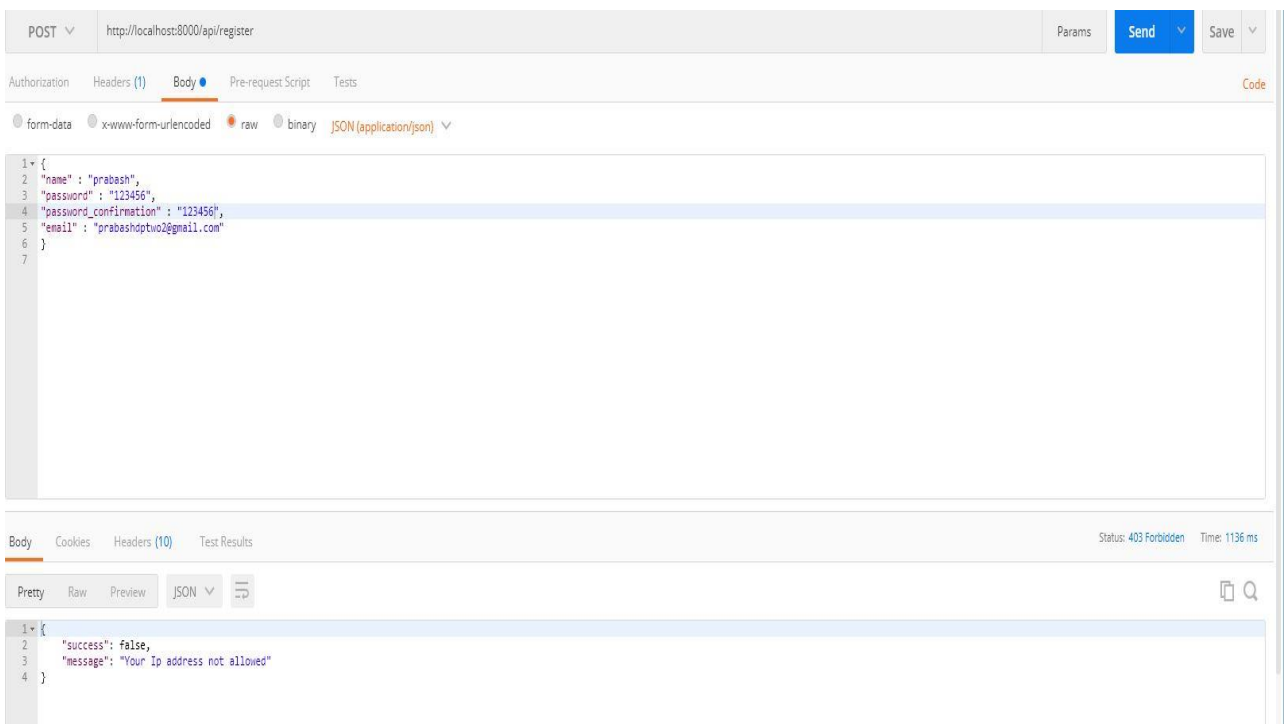
Appendices

Some screenshots of the API application usage have been attached to this section.

Some validation checking



Limited access to end points through IP restriction



Product details

GET ▼ http://localhost:8000/api/sellerDetailsByProduct/1 Params Send Save ▼

Authorization Headers (2) Body Pre-request Script Tests Code

Key	Value	Description
<input checked="" type="checkbox"/> Accept	application/json	
<input checked="" type="checkbox"/> Authorization	Bearer eyJ0eXAiOiJV1QlCjhbGciOiJSUzI1NiJ9.eyJhdWQiOiB1dXliwianRlplolMzQwODNhND...	
New key	Value	Description

Body Cookies Headers (8) Test Results Status: 200 OK Time: 1145 ms

Pretty Raw Preview JSON ▼ ≡

```
1 {
2   "success": true,
3   "data": [
4     {
5       "seller_id": 1,
6       "seller_fname": "Prabash",
7       "seller_lname": "Silva",
8       "seller_description": "Computer Items seller",
9       "seller_status": "1",
10      "created_at": null,
11      "updated_at": null
12    },
13    {
14      "seller_id": 2,
15      "seller_fname": "adam",
16      "seller_lname": "john",
17      "seller_description": "Mobile Distributor",
18      "seller_status": "1",
19      "created_at": null,
20      "updated_at": null
21    }
22  ],
23  "message": "Product has retrieved successfully."
24 }
```

Product List by a seller

GET ▼ http://localhost:8000/api/productListBySeller/2 Params Send Save ▼

Authorization Headers (2) Body Pre-request Script Tests Code

Key	Value	Description
<input checked="" type="checkbox"/> Accept	application/json	
<input checked="" type="checkbox"/> Authorization	Bearer eyJ0eXAiOiJV1QlCjhbGciOiJSUzI1NiJ9.eyJhdWQiOiB1dXliwianRlplolMzQwODNhND...	
New key	Value	Description

Body Cookies Headers (8) Test Results Status: 200 OK Time: 1186 ms

Pretty Raw Preview JSON ▼ ≡

```
1 {
2   "success": true,
3   "data": [
4     {
5       "id": 3,
6       "product_id": 1,
7       "seller_id": 2,
8       "price": "150000.00",
9       "seller_product_image": null,
10      "stock": 0,
11      "seller_product_description": "Free gifts with every purchase",
12      "seller_product_status": "1",
13      "created_at": "2020-08-01T23:02:14.000000Z",
14      "updated_at": "2020-08-01T23:02:14.000000Z",
15      "product_name": "Samsung S20+",
16      "product_description": "Latest Flagship from Samsung",
17      "category_id": 2,
18      "product_status": "1"
19    },
20    {
21      "id": 4,
22      "product_id": 2,
23      "seller_id": 2,
24      "price": "150000.00",
25      "seller_product_image": null,
26      "stock": 5,
27      "seller_product_description": "3 years of warranty",
28      "seller_product_status": "1",
29      "created_at": "2020-08-01T23:02:14.000000Z",
30      "updated_at": "2020-08-01T23:02:14.000000Z",
31      "product_name": "iPhone 11",
32      "product_description": "Apple's new flagship",
33      "category_id": 2,
34      "product_status": "1"
35    }
36  ],
37   "message": "Product has retrieved successfully."
38 }
```

GET http://localhost:8000/api/productListBySeller/2

Authorization Headers (2) Body Pre-request Script Tests

Key	Value	Description
Accept	application/json	
Authorization	Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJhdWQiOiJlxiwianRlplaiMzQwODNhND...	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 1186 ms

Pretty Raw Preview JSON

```

1 {
2   "success": true,
3   "data": [
4     {
5       "id": 3,
6       "product_id": 1,
7       "seller_id": 2,
8       "price": "150000.00",
9       "seller_product_image": null,
10      "stock": 0,
11      "seller_product_description": "Free gifts with every purchase",
12      "seller_product_status": "1",
13      "created_at": "2020-08-01T23:02:14.000000Z",
14      "updated_at": "2020-08-01T23:02:14.000000Z",
15      "product_name": "Samsung S20+",
16      "product_description": "Latest Flagship from Samsung",
17      "category_id": 2,
18      "product_status": "1"
19    },
20    {
21      "id": 4,
22      "product_id": 2,
23      "seller_id": 2,
24      "price": "150000.00",
25      "seller_product_image": null,
26      "stock": 5,
27      "seller_product_description": "3 years of warranty",
28      "seller_product_status": "1",
29      "created_at": "2020-08-01T23:02:14.000000Z",
30      "updated_at": "2020-08-01T23:02:14.000000Z",
31      "product_name": "Iphone 11",
32      "product_description": "Apple's new Flagship",
33      "category_id": 2,
34      "product_status": "1"
35    }
36  ],
37  "message": "Product has retrieved successfully."
38 }

```

Get seller details for a product

GET http://localhost:8000/api/productDetails/1

Authorization Headers (2) Body Pre-request Script Tests

Key	Value	Description
Accept	application/json	
Authorization	Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJhdWQiOiJlxiwianRlplaiYmUzODM5NjI...	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 1241 ms

Pretty Raw Preview JSON

```

1 {
2   "success": true,
3   "data": [
4     {
5       "product_id": 1,
6       "product_name": "Samsung S20+",
7       "product_description": "Latest Flagship from Samsung",
8       "category_id": 2,
9       "product_status": "1",
10      "created_at": "2020-08-01T23:02:14.000000Z",
11      "updated_at": "2020-08-01T23:02:14.000000Z"
12    }
13  ],
14  "message": "Product has retrieved successfully."
15 }

```