**testcase**

**There are 13 test cases for 5 functions, encompassing both correct and error operations. The link to the test cases is as shown below:**

https://crimson-rocket-600893.postman.co/workspace/MyWorkspace~c2aa430d-9257-4485-9943-7a5a0ca95733/collection/30630665-12ad62ff-949b-43d3-8088-e0ec53235b01?action=share&creator=30630665

**GETtest\_homepage**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-63b0f8e9-dfda-4d5e-97b3-88b668c70442)

http://localhost:8000/api

This is a GET request and it is used to "get" data from an endpoint. There is no request body for a GET request, but you can use query parameters to help specify the resource you want data on (e.g., in this request, we have id=1).

A successful GET response will have a 200 OK status, and should include some kind of response body - for example, HTML web content or JSON data.

﻿  
Tests

// GET endpoint test script

pm.test("Status code is 200", function () {

    pm.response.to.have.status(200);

});

pm.test("Response is HTML", function () {

    pm.response.to.have.header("Content-Type", "text/html");

});

pm.test("Response body contains expected content", function () {

    pm.expect(pm.response.text()).to.include("Black and Gray Athletic Cotton Socks - 6 Pairs");

    pm.expect(pm.response.text()).to.include("test\_test2345465");

});

**GETtest\_homepage wrong uri**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-b131e45b-2d90-442f-8c84-0f56fabe62df)

http://localhost:8000/api1

This is a GET request and it is used to "get" data from an endpoint. There is no request body for a GET request, but you can use query parameters to help specify the resource you want data on (e.g., in this request, we have id=1).

A successful GET response will have a 200 OK status, and should include some kind of response body - for example, HTML web content or JSON data.

﻿ Tests

// GET endpoint test script

pm.test("Status code is 404", function () {

    pm.response.to.have.status(404);

});

pm.test("Response is HTML", function () {

    pm.response.to.have.header("Content-Type", "text/html");

});

pm.test("Response body contains expected content", function () {

    pm.expect(pm.response.text()).to.include("Page Not Found");

});

**GETtest\_product1**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-efda202f-d658-4517-83fe-292135d06ec4)

http://localhost:8000/api/products/1

This is a GET request and it is used to "get" data from an endpoint. There is no request body for a GET request, but you can use query parameters to help specify the resource you want data on (e.g., in this request, we have id=1).

A successful GET response will have a 200 OK status, and should include some kind of response body - for example, HTML web content or JSON data.

﻿ Tests

// GET endpoint test script

pm.test("Status code is 200", function () {

    pm.response.to.have.status(200);

});

pm.test("Response is HTML", function () {

    pm.response.to.have.header("Content-Type", "text/html");

});

pm.test("Response body contains expected content", function () {

    pm.expect(pm.response.text()).to.include("Black and Gray Athletic Cotton Socks - 6 Pairs");

    pm.expect(pm.response.text()).to.include("10.9");

    pm.expect(pm.response.text()).to.include("This is a test");

    pm.expect(pm.response.text()).to.include("4.5");

    pm.expect(pm.response.text()).to.include("GOOD!");

});

**GETtest\_product8**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-8b109c96-d24b-4f36-8d65-7146c68273d8)

http://localhost:8000/api/products/8

This is a GET request and it is used to "get" data from an endpoint. There is no request body for a GET request, but you can use query parameters to help specify the resource you want data on (e.g., in this request, we have id=1).

A successful GET response will have a 200 OK status, and should include some kind of response body - for example, HTML web content or JSON data.

﻿ Tests

pm.test("Status code is 200", function () {

    pm.response.to.have.status(200);

});

pm.test("Response is HTML", function () {

    pm.response.to.have.header("Content-Type", "text/html");

});

pm.test("Response body contains expected content", function () {

    pm.expect(pm.response.text()).to.include("test123456789000");

    pm.expect(pm.response.text()).to.include("1678");

    pm.expect(pm.response.text()).to.include("000");

});

**GETtest\_product not exist**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-e3b9fa53-92d0-4f1f-8199-020d771bc20b)

http://localhost:8000/api/products/800

This is a GET request and it is used to "get" data from an endpoint. There is no request body for a GET request, but you can use query parameters to help specify the resource you want data on (e.g., in this request, we have id=1).

A successful GET response will have a 200 OK status, and should include some kind of response body - for example, HTML web content or JSON data.

﻿ Tests

pm.test("Status code is 404", function () {

    pm.response.to.have.status(404);

});

pm.test("Response is HTML", function () {

    pm.response.to.have.header("Content-Type", "text/html");

});

pm.test("Response body contains expected content", function () {

    pm.expect(pm.response.text()).to.include("Page Not Found");

});

**GETtest\_reviews**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-cf410abd-0693-4ef9-a7f8-4604a09a1878)

http://localhost:8000/api/reviews/1

This is a GET request and it is used to "get" data from an endpoint. There is no request body for a GET request, but you can use query parameters to help specify the resource you want data on (e.g., in this request, we have id=1).

A successful GET response will have a 200 OK status, and should include some kind of response body - for example, HTML web content or JSON data.

﻿ Tests

pm.test("Status code is 200", function () {

    pm.response.to.have.status(200);

});

pm.test("Response is HTML", function () {

    pm.response.to.have.header("Content-Type", "text/html");

});

pm.test("Response body contains expected content", function () {

    pm.expect(pm.response.text()).to.include("4.5");

    pm.expect(pm.response.text()).to.include("GOOD!");

    pm.expect(pm.response.text()).to.include("5");

    pm.expect(pm.response.text()).to.include("Great!");

});

**GETtest\_reviews not exist**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-bf7180ae-a323-4d25-a62e-a273c8019f31)

http://localhost:8000/api/reviews/100

This is a GET request and it is used to "get" data from an endpoint. There is no request body for a GET request, but you can use query parameters to help specify the resource you want data on (e.g., in this request, we have id=1).

A successful GET response will have a 200 OK status, and should include some kind of response body - for example, HTML web content or JSON data.

﻿ Tests

pm.test("Status code is 404", function () {

    pm.response.to.have.status(404);

});

pm.test("Response is HTML", function () {

    pm.response.to.have.header("Content-Type", "text/html");

});

pm.test("Response body contains expected content", function () {

    pm.expect(pm.response.text()).to.include("Page Not Found");

});

**GETtest\_productmanage**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-291b20b4-beb4-4a97-83d7-5611a7679bf7)

http://localhost:8000/administrator/productManagement

This is a GET request and it is used to "get" data from an endpoint. There is no request body for a GET request, but you can use query parameters to help specify the resource you want data on (e.g., in this request, we have id=1).

A successful GET response will have a 200 OK status, and should include some kind of response body - for example, HTML web content or JSON data.

﻿  
Tests

pm.test("Status code is 200", function () {

    pm.response.to.have.status(200);

});

pm.test("Response is HTML", function () {

    pm.response.to.have.header("Content-Type", "text/html");

});

pm.test("Response body contains expected content", function () {

    pm.expect(pm.response.text()).to.include("Product Name:");

    pm.expect(pm.response.text()).to.include("Price:");

    pm.expect(pm.response.text()).to.include("Description:");

    pm.expect(pm.response.text()).to.include("Stock:");

    pm.expect(pm.response.text()).to.include("Add Product");

});

**GETtest\_productmanage wrong uri**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-7e48de8c-a3e8-4cd5-885f-1773d43eeba4)

http://localhost:8000/administrator1/productManagement

This is a GET request and it is used to "get" data from an endpoint. There is no request body for a GET request, but you can use query parameters to help specify the resource you want data on (e.g., in this request, we have id=1).

A successful GET response will have a 200 OK status, and should include some kind of response body - for example, HTML web content or JSON data.

﻿ Tests

pm.test("Status code is 404", function () {

    pm.response.to.have.status(404);

});

pm.test("Response is HTML", function () {

    pm.response.to.have.header("Content-Type", "text/html");

});

pm.test("Response body contains expected content", function () {

    pm.expect(pm.response.text()).to.include("Page Not Found");

});

**POSTtest\_addproduct**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-825617bc-3ea2-4f19-bfd9-b16dc9adca72)

http://localhost:8000/api/addProduct

This is a POST request, submitting data to an API via the request body. This request submits JSON data, and the data is reflected in the response.

A successful POST request typically returns a 200 OK or 201 Created response code.

﻿

**Body**raw (json)

json

{

"Name": "New Product2",

"Price": 19.99,

"Description": "A description for the new product",

"StockInventory": 50

}

Tests

pm.test("Status code is 200", function () {

    pm.response.to.have.status(200);

});

pm.test("Response is JSON", function () {

    pm.response.to.have.header("Content-Type", "application/json");

});

pm.test("Response body contains success message", function () {

    pm.expect(pm.response.json().message).to.eql("Product added successfully");

});

**POSTtest\_addproduct already exists**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-ec29da50-2e6e-4c90-9abd-fdcdcef4e8ff)

http://localhost:8000/api/addProduct

This is a POST request, submitting data to an API via the request body. This request submits JSON data, and the data is reflected in the response.

A successful POST request typically returns a 200 OK or 201 Created response code.

﻿

**Body**raw (json)

json

{

"Name": "New Product",

"Price": 19.99,

"Description": "A description for the new product",

"StockInventory": 50

}

Tests

pm.test("Status code is 400", function () {

    pm.response.to.have.status(400);

});

pm.test("Response is JSON", function () {

    pm.response.to.have.header("Content-Type", "text/plain");

});

pm.test("Response body contains success message", function () {

    pm.expect(pm.response.text()).to.include("Bad Request: Product name already exists");

});

**POSTtest\_addproduct Missing parameters**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-517ffb51-8715-456d-a8d4-d42efe3fd3c3)

http://localhost:8000/api/addProduct

This is a POST request, submitting data to an API via the request body. This request submits JSON data, and the data is reflected in the response.

A successful POST request typically returns a 200 OK or 201 Created response code.

﻿

**Body**raw (json)

json

{

"Price": 19.99,

"Description": "A description for the new product",

"StockInventory": 50

}

Tests

pm.test("Status code is 400", function () {

    pm.response.to.have.status(400);

});

pm.test("Response is JSON", function () {

    pm.response.to.have.header("Content-Type", "text/plain");

});

pm.test("Response body contains expected message", function () {

   pm.expect(pm.response.text()).to.include("Bad Request: Missing required parameters");

});

**POSTtest\_addproduct Invalid JSON**

[**Open request**](https://crimson-rocket-600893.postman.co/request/30630665-b7f55813-6411-4613-85ce-baacb50db606)

http://localhost:8000/api/addProduct

This is a POST request, submitting data to an API via the request body. This request submits JSON data, and the data is reflected in the response.

A successful POST request typically returns a 200 OK or 201 Created response code.

﻿

**Body**raw (text)

text

"Price": 19.99,

"Description": "A description for the new product",

"StockInventory": 50

Tests

pm.test("Status code is 400", function () {

    pm.response.to.have.status(400);

});

pm.test("Response is JSON", function () {

    pm.response.to.have.header("Content-Type", "application/json");

});

pm.test("Response body contains expected message", function () {

   pm.expect(pm.response.text()).to.include("Bad Request: Invalid JSON");

});