GET: Retrieving a product by valid product ID

SeverityPriorityBehaviorType♠ Critical↑ HighPositiveSmoke

LayerIs FlakyMilestoneAutomationAPINo-Automated

Status Is Muted

Actual No

Module

Product Catalog

Pre-conditions

The product with ID 2429 was previously added.

Tags

API, REST, GET

Parameters

OS: Windows 11 Version 23H2

Browser: Google Chrome 127.0.6533.101 Postman for Windows: Version 11.13.1

Steps to reproduce

Expected result

Step	1
Action	Send a GET request to the address: https://qa.demoshopping.ru /products/id/2429
Input data	
Expected result	The request is sent to the server.
Step	2
Action	Verify response status code.
Input data	
Expected result	HTTP status is "200 OK".
Step	3
Action	Validate response time.
Input data	

The response time is less than 500ms.

```
Step
                      4
Action
                      Verify the structure and data formats of the response body.
Input data
                      The response body contains key-value pairs (JSON format):
                        "product_id": 2429,
                        "name": "Gorgeous Plastic Car",
                        "description": "Et deleniti aut et doloribus exercitationem omnis.",
Expected result
                        "price": "834.00",
"category": "Phones",
                        "manufacturer": "O'Hara - Kohler",
                        "imageUrl": "https://images.example.com/products/reinvent/598.jpg",
                        "freeShipping": 0
Step
                      5
Action
                      Validate the response headers.
Input data
                      • "Content-type" header includes "application/json; charset=utf-8"
                      • "Connection" header includes "keep-alive"
Expected result
                      • "Date" header is in string format
                      • "server" header includes "nginx"
                      • "x-powered-by" header includes "Express"
```

PUT: Complete update of the product by ID

SeverityPriorityBehaviorType^ Major↑ HighPositiveSmoke

Layer Is Flaky Milestone Automation

API No - Automated

Status Is Muted

Actual No

Module

Product Catalog

Pre-conditions

The product with ID 2429 was previously added.

Tags

REST, PUT, API

Parameters

OS: Windows 11 Version 23H2

Browser: Google Chrome 127.0.6533.101 Postman for Windows: Version 11.13.1

Steps to reproduce

Step	1	
	Send a PUT request to the address: https://qa.demoshopping.ru /products/id/2429	
	with the body in raw JSON format:	
	"product_id": 1111, "name": "Updated product",	
Action	"description": "This is a completely updated product.",	
ACCION	"price": 150,	
	"category": "Laptops",	
	"manufacturer": "Samsung",	
	"imageUrl": " <u>http://example.com/image.jpg</u> ",	
	"freeShipping": false	
	}	
Input data		
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Step 2

Action Verify response status code.

Input data

Expected result HTTP status is "200 OK".

Step	3
Action	Validate response time.
Input data	
Expected result	The response time is less than 500ms.
Step	4
Action	Check the presence and content of the response body.
Input data	
Expected result	The response body contains message: "Товар обновлён".
Step	5
Action	Validate the response headers.
Input data	
Expected result	 "Content-type" header includes "text/html; charset=utf-8" "Connection" header includes "keep-alive" "Date" header is in string format "server" header includes "nginx" "x-powered-by" header includes "Express"
Step	6
Action	Send a GET request to the address: https://qa.demoshopping.ru /products/id/1111 and verify that the response body contains valid product information.
Input data	
Expected result	The response body contains: { "product_id": 1111, "name": "Updated product", "description": "This is a completely updated product.", "price": 150, "category": "Laptops", "manufacturer": "Samsung", "imageUrl": "http://example.com/image.jpg", "freeShipping": false }

DELETE: Deleting a product by valid ID

Severity Priority Behavior Type

↑ High Positive Smoke

LayerIs FlakyMilestoneAutomationNot setNo-Automated

Status Is Muted

Actual No

Module

Product Catalog

Pre-conditions

The product with ID 2450 was previously added.

Tags

REST, DELETE, API

Parameters

OS: Windows 11 Version 23H2

Browser: Google Chrome 127.0.6533.101 Postman for Windows: Version 11.13.1

Steps to reproduce

Expected result

Step	1
Action	Send a DELETE request to the address: https://qa.demoshopping.ru /products/id/2450
Input data	
Expected result	The request is sent to the server.
Step	2
Action	Verify response status code.
Input data	
Expected result	HTTP status is "200 OK".
Step	3
Action	Validate response time.
Input data	

The response time is less than 500ms.

Step	4
Action	Check the presence and content of the response body.
Input data	
Expected result	The response body contains message: "Товар удалён".
Step	5
Action	Validate the response headers.
Input data	
Expected result	 "Content-type" header includes "application/json; charset=utf-8" "Connection" header includes "keep-alive" "Date" header is in string format "server" header includes "nginx" "x-powered-by" header includes "Express"
Step	6
Action	Send a GET request to the address: https://qa.demoshopping.ru/ products/id/2450 Validate the response status code and the contents of the response body.
Input data	
Expected result	HTTP status is "404 Not Found". The response body contains message: "Товар с таким ID не найден".

POST: Adding a new product with invalid data format in request body (400 Bad Request)

Automated

Severity **Priority Behavior Type** Critical ↑ High Negative Smoke

Is Flaky Milestone **Automation** Layer

Status Is Muted

Actual No

Module

API

Product Catalog

Tags

REST, POST, API

Parameters

OS: Windows 11 Version 23H2

Browser: Google Chrome 127.0.6533.101 Postman for Windows: Version 11.13.1

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}

Steps to reproduce

Send a POST request to the address: https://qa.demoshopping.ru/add-product

with the body in raw JSON format:

Action

Step

"name": "Test Product for POST", "description": "Description text", "price": "Test", "category": "Phones", "manufacturer": "Apple", "imageUrl": "/images/phone.webp", "freeShipping": 1

Input data

HTTP status is "400 Bad Request". Expected result

2 Step

Action Check the presence and content of the response body.

Input data

Expected result The response body contains valid Syntax Error message.

PATCH: Partial update of product using invalid ID (404 Not Found)

Automated

SeverityPriorityBehaviorType↑ Major↑ HighNegativeSmoke

Layer Is Flaky Milestone Automation

Status Is Muted

Actual No

Module

Not set

Product Catalog

Pre-conditions

The product with ID 20000 does not exist.

Tags

API, PATCH, REST

Parameters

OS: Windows 11 Version 23H2

Browser: Google Chrome 127.0.6533.101 Postman for Windows: Version 11.13.1

Steps to reproduce

Expected result

Step	1
Action	Send a PATCH request to the address: https://qa.demoshopping.ru /products/id/20000 with the body in raw JSON format: { "name": "Partially updated product", "description": "This is a partially updated product.", "price": 120.00, "category": "Laptops", "manufacturer": "Apple", "imageUrl": " <a "="" href="http://example.com/image2.jpg">http://example.com/image2.jpg ", "freeShipping": true }
Input data	
Expected result	HTTP status is "404 Not Found".
Step	2
Action	Check the presence and content of the response body.
Input data	

The response body contains message: "Товар с таким ID не найден".