Testfully vs. Postman

An honest, free from BS, and user-centric head-to-head comparison of two powerful API Client & Testing tools: Testfully and Postman. We have created this document to help you, a potential Testfully customer, decide whether Testfully can serve you as a Postman alternative or not.

Check TL;DR for a broad idea of what we offer, then deep dive into each section for an in-depth comparison of both tools.

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Icons and their meaning		
W	The feature is currently supported	
2	It's planned for development or is under development	
×	This feature is not available in Postman.	

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TL;DR

So you don't have time to go through the long list, and you want a quick snapshot of the whole thing? Look no further!

Storage Options		Postman	Testfully
	Cloud-based Workspace	W	₩
Platform & Storage	Cloud-free & fully offline workspace	×	W
	Windows, Mac, Linux and Web apps	W	W
	Restful, GraphQL, Soap APIs	W	W
API Technologies	Web Socket, gRPC	W	ţ
	Request Headers	W	W
	Request Query Params	W	₩
	Authorization Schemes (including OAuth2)	W	₩
ADI Client	Scripting in Javascript	W	₩
API Client	JSON, XML, Form (including file attachments) and GraphQL request payloads	W	W
	Cookie Jar	W	W
	Mock APIs	W	Ş

	API Docs	₩	//
	Collection Variables, Authorization and settings	₩	//
	Headers, Params, Folder Variables	×	W
Collections & Folders	Folder Scripts	₩	W
	Private / Shared Variables	×	W
	Folder Runner	₩	W
	Global & Environment Variables	₩	W
Environments & Globals	Authorization	×	W
Environments & Globais	Reusable Settings (SSL Verification, Delay, Timeout)	×	W
	Export & Import	₩	W
	CLI	₩	W
API Testing	No-code API Testing	×	W
	BDD/TDD Testing in Chai.js	₩	W
User Management	SSO (Okta, Azure, Google, Github)	~	W

	Access Control for folders	W	W
	Pre-defined roles	W	W
	Custom roles & teams	W	Ŋ

Storage Options

The ability to store your data in the Cloud or keep it local for maximum security and privacy.

Storage Options		Postman	Testfully
Cloud	Store your requests, environments etc, in the Cloud	₩	W
Offline	Store your requests, environments etc, in your computer	×	W
Feature Parity	Is Offline as powerful as the Cloud and vice versa?	×	W

Customer Support & Success

How do Testfully or Postman handle customer support

Customer Support		Postman	Testfully
Support Chat	Chat with a human (and not AI) about your issue	×	W
Support Inbox	Email an issue to customer support	×	W
Documentation	Online documentation to learn and troubleshoot issues	W	W
Videos	Educational videos about the tool	W	W
Public Roadmap	A public roadmap to vote for upcoming features	×	W

Request Editor

Sending HTTP requests using GUI and receiving a response for the request where you can inspect the response.

API Standards		Postman	Testfully
Restful	Send requests to Restful APIs	W	W
GraphQL	Send query & mutation requests to a GraphQL server	W	W
Soap	Send requests to Soap-based APIs	W	W
WebSocket	Connect to a Web Socket server, send and receive messages	W	Ş
gRPC	Connect to a gRPC server, send and receive messages	W	}
Request Components		Postman	Testfully
Authorization	Authorise request using one of the supported authorisation schemes	W	W
Params	Add one or more query params to the request via GUI	₩	W
Headers	Add one or more headers to the request via GUI	₩	W
Cookies	Set one or more cookies for the request	×	W
SSL Verification	Disable verification when needed (suitable for localhost)	W	W
Timeout	Timeout after a certain time (in seconds or milliseconds)	₩	W
Multi-step	Ability to chain multiple HTTP API calls in one request	×	W

JSON Requests		Postman	Testfully
Syntax Highlighting	JSON syntax highlighting, code indentation and folding	₩	//
Use Variables	Add variables using `{{}}` syntax	W	W
XML Requests		Postman	Testfully
Syntax Highlighting	XML syntax highlighting, code indentation and folding	W	W
Use Variables	Add variables using `{{}}` syntax	W	W
GraphQL Requests		Postman	Testfully
Syntax Highlighting	Syntax highlighting & indentation for GraphQL queries	₩	//
Use Variables	Add variables using `{{}}` syntax	W	W
Schema Explorer	Ability to explore schema of GraphQL Server	W	ţ
Url-Encoded Requests		Postman	Testfully
Text Fields	Ability to add text fields to url-encoded requests	W	W
Use Variables	Add variables using `{{}}` syntax	W	W
Exclude/Include	Exclude or include a field via GUI	W	ţ
Multi-Value fields	Multiple fields with the same name but different values	W	W

Form-Data Requests		Postman	Testfully
Text Fields	Ability to add text fields to form-data requests	W	W
Use Variables	Add variables using `{{}}` syntax	W	W
File Uploads	Ability to upload files as part of `form-data` requests	W	W
Content-Type	Set custom content type for each text/file field	₩	W
Multi-value fields	Add multiple values for one field	₩	W
File Storage	Permanently store uploaded files	₩	W
Exclude/Include	Exclude or include a field via GUI	₩	}
YAML Requests		Postman	Testfully
Syntax Highlighting	JSON syntax highlighting, code indentation and folding	W	W
Use Variables	Add variables using `{{}}` syntax	₩	W
Javascript Requests		Postman	Testfully
Syntax Highlighting	Javascript syntax highlighting, code indentation and folding	W	W
Use Variables	Add variables using `{{}}` syntax	₩	W
Other		Postman	Testfully

Mock Data	Generate mock data (email, id, name etc)	W	₩
Functions	Compute values dynamically and without code	×	W
Changelog	Changelog of changes for a request	₩	Ş
Mock Server	Create a mock server from a collection	₩	Ş

Response Inspector

Send a request and inspect the response body, headers etc.

Response Inspector		Postman	Testfully
Syntax Highlighter	Syntax highlighter (XML, HTML, JSON) for request payload and response body	W	W
Inspect Headers	Inspect request and response headers	₩	₩
Cookies	Inspect received cookies from the endpoint	₩	W
Search	Search response body or request payload for a key	₩	W
Download	Download response body	₩	Ş

Save	Save a response	₩	Ç
Documentation	Auto-generated documentation based on request & response	×	W
Save Docs	Ability to persist auto-generated docs for later use	×	W

API Documentation

API documentation using requests and responses (automated or manual)

Documentation		Postman	Testfully
API Call Docs	Ability to generate docs from an HTTP request & response pair	×	W
Save Docs	Ability to save auto-generated docs permanently	×	W
Folder Docs	Ability to see docs for all requests within a folder	W	W
Public Docs	Docs that are public and can be inspected by any user online	W	\$

Environments & Globals

Make your requests work against multiple environments using the Environments & Globals concept.

Globals		Postman	Testfully
Variables	Add one or more variables to use in your requests	₩	W
Include/Exclude	Include & Exclude variables with a click without deleting it	₩	}
Import	Import globals that were previously exported	W	W
Export	Export global values as JSON files to be imported later	~	W
Scripting	APIs for working with globals in Javascript	~	W
Environments		Postman	Testfully
Variables	Add one or more environment variables	W	//
Include/Exclude	Include & Exclude variables with a click	W	}
Authorisation	Set authorisation settings for all requests that are sent against an environment.	×	W

Import	Import environments	₩	W
Export	Export environment as JSON file	W	W
Timeout	Custom timeout settings for requests sent against this environment	×	W
SSL Verification	SSL Verification settings for requests sent against an environment	×	W
Scripting	APIs for working with environment variables via Javascript	₩	W

Collections & Folders

Organise requests in folders apply reusable settings and more.

Collections		Postman	Testfully
Multi Collection	Create & manage multiple collections	₩	W
Order	Drag & Drop collections for a custom order	₩	W
Variables	Variables for the top-level folder (collection)	₩	W
Authorization	Set authorisation settings for all requests in a collection	W	W

Pre-request script	Run a script before a request is sent	₩	W
After Script (Tests)	Run a script after a request is sent	₩	W
Export	Export a collection in JSON format	₩	W
Import	Import a collection file	W	W
Headers	Set one or more shared headers for all requests	×	₩
Params	Set one or more shared query params for all requests	×	₩
Timeout	Set request timeout for a collection	8	W
SSL Verification	Disable / Enable SSL Verification for all requests within a collection	8	W
Proxy	Send requests within a collection via a proxy server	×	W
Delay	Delay between requests (in milliseconds).	×	W
Javascript API	Read, set, and unset collection variables via Javascript	₩	W
Run Collection	Run requests within a collection in one go	Limited	Unlimited
Access Control	Control access to a collection	₩	W
Folders		Postman	Testfully

Sub Folders	Create sub-folders on multiple levels	W	W
Variables	Variables for folder (any level)	×	W
Authorization	Authorization settings for requests within a folder	W	W
Pre-request script	Run a script before a request is sent	W	W
After Script (Tests)	Run a script after a request is sent	W	W
Headers	Set one or more shared headers for all requests	×	W
Params	Set one or more shared query params for all requests	×	W
Timeout	Set request timeout for a collection	×	W
SSL Verification	Disable / Enable SSL Verification for all requests within a collection	×	W
Proxy	Send requests within a collection via a proxy server	×	W
Export	Export a folder (or sub-folder) in JSON format	×	W
Import	Import a folder file	×	W
Javascript API	Read, set, and unset folder variables via Javascript	×	W
Run Folder	Run requests within a folder in one go	Limited	Unlimited

Access Control	Control access to a folder	W	W
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Proxy

Send HTTP requests via a Proxy server, suitable for work setups that require proxy for accessing the internet.

Ргоху		Postman	Testfully
Environment Variables	Environment Variables Load proxy settings via environment variables		W
Custom Settings	Enter proxy settings via GUI	₩	W
Basic Authentication	Set username and password for authorisation	₩	W
Whitelist	Whitelist domains to be processed via a PRoxy	₩	W
Proxy Per Collection	Proxy Settings Per Collection (only applied to requests within the collection)	×	W
Proxy Per Folder	Proxy Settings for a Folder (only applied to requests within the folder)	×	W
Workspace-wide Proxy	Set proxy settings for all requests within a workspace	W	.

Cookies

Capture cookies automatically, and add them to corresponding domains when sending requests.

Cookie Jar		Postman	Testfully
Auto Capture	Capture cookies and save them automatically	W	W
New Cookie	Add a new cookie manually	W	W
Edit Cookies	Edit an existing cookie attributes after being added or captured	W	W
Delete Cookies	Delete existing cookies	W	W
Exclude Cookie	Exclude a cookie from a domain without deleting it	×	W
Request Cookie	Add a cookie to a request (will be attached to that request only)	×	W
Export Cookie Jar	Export cookies in a cookie jar	W	Ş
Cookie API		W	₩

Scripting in Javascript

Run Javascript code before or after a request is sent for dynamic behaviour or TDD/BDD style testing.

Javascript		Postman	Testfully
NPM import	Import npm modules natively using the `import` syntax	×	W
Javascript Version	Supported Javascript Version	ES5	ES2020
Debugging		Postman	Testfully
Console	A dedicated Console for logs generated by a request	×	W
`console.log`	Log values for debugging	W	W
`console.info`	Log information	W	W
`console.warn`	Log a warning in the console	W	W
`console.error`	Log an error in the console	W	W
Working with Globals		Postman	Testfully
pm.globals.get(name)	Get the value of a global using the global name	W	W
pm.globals.has(name)	Check if a global exists and has value	₩	W

pm.globals.set(name, value)	Set value for a global	W	W
pini.giobais.set(name, value)	Set value for a global	*	.,
pm.globals.unset(name)	Remove (unset) value of a global	W	W
pm.globals.clear()	Remove all of the globals	W	W
pm.globals.toObject()	Get globals and their corresponding values in Javascript format (hashmap)	W	W
postman.setGlobalVariable()	Sets the value of a global variable.	W	W
postman.getGlobalVariable()	Returns the value of a global variable.	W	W
postman.clearGlobalVariables()	Removes a global variable.	W	W
globals	Get globals and their corresponding values in Javascript format (hashmap)	W	W
Working with Environments		Postman	Testfully
pm.environment.get(name)	Get the value of an environment variable using the variable name	W	W
pm.environment.has(name)	Check if an environment variable exists and has value	W	W
pm.environment.set(name, value)	Set value for an environment variable	W	W
pm.environment.unset(name)	Remove (unset) value of an environment variable	W	W
pm.environment.clear()	Remove all of the environment variables	W	W

pm.environment.toObject()	Returns all of the environment variables as an object	W	W
postman.setEnvironmentVariable()	Sets the value of an environment variable.	W	W
postman.getEnvironmentVariable()	Returns the value of an environment variable.	W	W
postman.clearEnvironmentVariables()	Removes an environment variable.	W	W
Collection (Root Folder) Variables		Postman	Testfully
pm.collectionVariables.get(name)	Get the value of a collection variable using the variable name	W	W
pm.collectionVariables.has(name)	Check if a collection variable exists and has value	W	W
pm.collectionVariables.set(name, value)	Set value for a collection variable	W	W
pm.collectionVariables.unset(name)	Remove the value of a collection variable	W	W
pm.collectionVariables.clear()	Remove all of the collection variables	W	W
pm.collectionVariables.toObject()	Returns all of the collection variables as an object	W	W
Parent Folder Variables		Postman	Testfully
\$.parentFolder.get(name)	Get the value of a parent folder variable using the variable name	×	W
\$.parentFolder.has(name)	Check if a parent folder variable exists and has value	×	W

\$.parentFolder.set(name, value)	Set value for a parent folder variable	×	W
\$.parentFolder.unset(name)	Remove (unset) value of a parent folder variable	×	W
\$.parentFolder.clear()	Remove all of the parent folder variables	×	W
\$.parentFolder.toObject()	Returns all of the parent folder variables as an object	×	W
BDD/TDD style testing		Postman	Testfully
Test Cases	Write a test case using the `test()` function	W	W
`tests` object	Writing tests using the tests object.	W	W
Chai Assertion Lib	Write assertions using Chai's `expect()` function	W	W
Result	The result of tests displayed for end-user	W	W
Working with requests		Postman	Testfully
pm.request.method	Get the HTTP method of the request.	W	W
pm.request.url	Get the URL of the request.	W	W
pm.request.type	Get the type of the request.	W	W
pm.request.headers	Get the headers of the request.	W	W

pm.request.headers.add()	Add a new header	W	W
pm.request.headers.upsert()	Upsert a header	W	W
pm.request.headers.remove()	Remove a header	₩	W
pm.request.params()	Get the parameters of the request.	₩	₩
pm.request.body	Get the body of the request.	₩	₩
pm.request.body.json	Get the JSON payload for the request.	*	W
pm.request.body.query	GraphQL query for the request.	₩	₩
pm.request.body.variables	GraphQL variables for the variables.	₩	₩
pm.request.body.form	Form fields for form-data and URL-encoded requests.	₩	₩
pm.sendRequest()	Send a bespoke HTTP request	₩	W
pm.info.eventName	The event will be either prerequest or test.	₩	₩
pm.info.iteration	The value of the current iteration.	₩	₩
pm.info.iterationCount	The total number of iterations that are scheduled to run	₩	₩
pm.info.requestName	Name of the request	₩	W

pm.info.requestId	The ID of the request	W	W
Working with response	Working with response		Testfully
pm.response.code	Get the HTTP status code of the response.	W	W
responseCode	Get the HTTP status code of the response.	W	W
pm.response.status	Get the HTTP status of the response.	W	W
pm.response.headers	Get the headers of the response.	W	W
responseHeaders	Get the headers of the response in the form of an object.	W	W
postman.getResponseHeader()	Get the value for a response header.	W	W
pm.response.body	Get the response body in plain text (string).	W	W
responseBody	Get the response body in plain text (string).	W	W
pm.response.text()	Returns the response body in plain text (string).	W	W
pm.response.json()	Returns the response body as a Javascript object.	W	W
pm.response.responseTime	Get the response time of the response.	W	W
responseTime	Get the response time of the response.	W	W

pm.response.responseSize	Get the response size of the response.	W	W
Cookies	Cookies		Testfully
pm.cookies.jar()	Get an instance of Cookie Jar	₩	\$
pm.cookies.jar().set()	Set a cookie	₩	}
pm.cookies.jar().get()	Get a cookie	₩	.
pm.cookies.jar().getAll()	Get all cookies	₩	.
pm.cookies.jar().unset()	Unset (remove) a cookie	₩	}
pm.cookies.jar()clear()	Remove all cookies	₩	}
Collection Runs		Postman	Testfully
postman.setNextRequest() Chain requests together		W	W
pm.execution.skipRequest()	Skip execution of a request	W	W

API Testing

To define test cases using GUI and run them on demand, via CLI or in the background via API monitoring capabilities.

Automated API Testing		Postman	Testfully
No-Code Testing	Testing capabilities without coding	K	W
Coded Tesing	Testing capabilities using Javascript	W	W
Run Collection	Run requests within a collection with a click via GUI	W	W
Run Folder	Run a folder within a collection with a click via GUI	W	W
Unlimited Collection Run	Running requests on-demand	x	W
Collection Run Pricing	Pricing structure for running collections	Tiered	Unlimited
Testing via CLI	Run requests via a CLI tool (Newman or Testfully CLI)	W	W
API Monitoring	Run requests and tests in the background and get alerts when something goes wrong	*	W

No-Code API Testing

Validate your API endpoints using functional, non-functional, contract and integration testing without the need to write code (in Javascript or any other language).

No Code Testing		Postman	Testfully
Response Time	Validate response time	×	₩
Response Code	Validate response status	×	₩
Response Headers	Validate values of one or more response headers	×	W
Response Body	Validate values within the response body (one or more fields)	×	W
Multi-step requests (chain	ing)	Postman	Testfully
Chain requests	Ability to chain one or more requests in one scenario	×	W
Step Referencing Ability to resolve values from one step and use them in others (without coding)		×	W
Contract (Schema) Testing		Postman	Testfully
Response Schema	Validate schema of response (whole or a subset)	×	W

Cross-environment Testing		Postman	Testfully
Custom Validation	Ability to have validation per environment as well as common validation	×	W

Command-Line Tool

Integrate with CI/CD pipelines and CLI-based environments using Testfully CLI or Newman.

СШ		Newman	Testfully CLI
Compatibility	Windows, Mac and Linux compatibility	₩	W
Run requests	Run one or more requests via CLI by passing files	W	W
Specify environment	Pass environment file for environment variables	₩	₩
Specify folder	Pass a folder ID (or name) to run requests within a folder	₩	W
Junit Reporter	Generate a report in JUnit format	₩	₩
JSON Reporter	Generate a report in JSON Format	₩	Ş
Delay	Specify a delay (in milliseconds) between requests.	₩	₩

Timeout	Specify the time (in milliseconds) to wait for the entire collection run to complete execution.	₩	Ç
Verbose	Show detailed information of the collection run and each request sent.	W	W

Authorisation

Authorise your API requests using industry-standard schemes and methods.

Supported Authorization Schemes		Postman	Testfully
Basic Authentication	Authorise using Basic Authentication (Username & Password)	W	₩
API Key	Authorise by passing API Key	W	W
Bearer Token	Authorise using Bearer Token	W	W
OAuth2	OAuth2 authorisation using various grant types	₩	W
AWS Signature V4	Send requests to AWS endpoints using AWS Signature V4 authorisation	W	W
Inherit from Parent	Inheir auth settings from a parent folder or collection	W	W
No Authentication	Disable authentication altogether	₩	W

OAuth1		W	2
Hawk		W	Ŋ
NTLM		W	<u>}</u>
Akamai EdgeGrid		W	}
ASAP (Atlassian)		W	Ş
Digest Auth		W	.
Authorization Settings		Postman	Testfully
Request Authorization	Set authorisation settings for a request	W	W
Folder Authorization	Set authorisation settings for a folder, requests to inherit from the parent folder	W	W
Collection Authorization	Set authorisation settings for a collection, requests to inherit from parent collection	W	W
Environment Authorization	Set authorization for environment requests and use it when are sent against the env	×	*

Variables

Parameterise your requests for maximum flexibility and portability using Global Variables, Environment Variables, Folder and Collection variables.

Supported Variable Types		Postman	Testfully
Global Variables	Store one or more global variables for your workspace	W	W
Private Global Variables	One or more variables stored for the current user only, not shared with others	×	Ş
Environment Variables	Store one or more variables for an environment	W	W
Private Environment Variables	One or more variables stored for current user only, not shared with others	×	Ţ
Collection Variables	One or more variables for the top-level folder (collection)	W	W
Private Collection Variables	One or more variables stored for current user only, not shared with others	×	W
Folder Variables	One or more variables for a folder (or sub-folder)	×	W
Private Folder Variables	One or more variables stored for current user only, not shared with others	×	W
Scripting		Postman	Testfully

Work with globals	Use included Javascript APIs to work with globals programmatically	W	W
Work with environment variables	Use included Javascript APIs to work with environment variables programmatically	W	W
Work with collection variables	Use included Javascript APIs to work with collection variables programmatically	W	W
Work with folder variables	Use included Javascript APIs to work with folder variables programmatically	×	W

API Monitoring

Monitor your API endpoints using existing requests

API Monitoring		Postman	Testfully
Multi Test Monitoring	Multi Test Monitoring Run more than one test for a monitoring		W
Integrations		Postman	Testfully
Slack	Slack Connect to Slack for alerts		W
PagerDuty Receive alerts via PagerDuty		~	W
Email	Receive alerts via email	₩	W

SMS	Receive SMS alerts	W	W	
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Users, Roles & Team-based collaboration

Collaborate across multiple teams using users, roles, teams

Team Collaboration		Postman	Testfully
Users	Ability to invite users to a workspace for collaboration	*	W
Private Space	A way to keep some requests private	W	₩
Access Control	Grant access to a folder to one or more users	W	W
Roles	Tailor-made roles and permissions for your needs	W	.
Teams	Group users into teams for easier access control	₩	}

SSO & more

Access the app using Single Sign-on

sso		Postman	Testfully
Okta	Install the integration via Okta App Gallery and SSO via Okta	W	W
Microsoft Azure ID	Install the integration via Azure Enterprise Gallery and SSO via Microsoft Azure	W	W
Google	SSO via Google	W	W
Github	SSO via Github	W	W
Username / Password	Log in using Username & Password	W	W
SSO enforcement	Enforce an SSO provider as only way to access the app	W	₩

Import & Export

Import requests, folders, environments and export them

Import		Postman	Testfully
Postman Collection 2.1	Import a Postman Collection 2.1 file	W	W
Postman Collection 2.0	Import a Postman Collection 2.0 file	W	W
Posman Environment	Import a Postman environment	W	W
Postman Global File	Import a Postman Global File	W	W
Postman Backup File	Import a Postman backup file	W	W
Swagger 2.0	Import a Swagger 2.0 file	×	W
Open API Spec 3.0	Import an OpenAPI Spec 3.0 file	W	W
Open API Spec 3.1	Import an OpenAPI Spec 3.1 file	×	W
Insomnia	Import Insomnia Collection file	W	W
cUrl command	Import a cUrl command	W	W
Export		Postman	Testfully
Collections	Export a collection	W	W
Folder	Export a folder	×	W

Environment	Export an environment	W	W
Globals	Export globals	W	ß
Cookies	Export cookie jar	W	.

Available Platforms

Available platforms for Testfully & Postman to run and use the app.

Platform		Postman	Testfully
Windows	A Desktop app for Windows OS	W	W
Mac OS	A Desktop app for Mac OS	W	W
Linux	A Desktop app for Linux	W	W
Browser	A web-based app with the same set of functionalities	₩	W
Terminal	CLI	₩	W