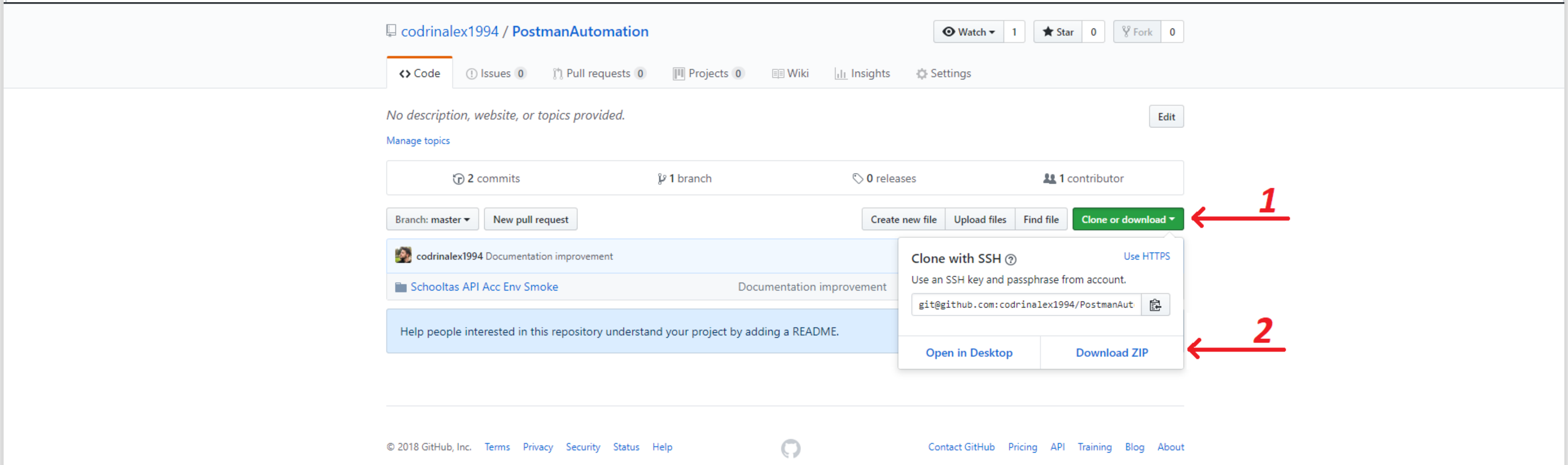
Postman Semi-Automated Testing for Rest API

How to proceed :

1. Download and install Postman app from here: https://www.getpostman.com/postman
2. Download the *ZIP Postman collection* from here (watch the image down in this ReadMe)
3. Unarchive the *zip file* and follow the steps inside the **Documentation.pdf**



No description, website, or topics provided.

codrinalex1994 Documentation improvement

Schooltas API Acc Env Smoke — Documentation improvement

Help people interested in this repository understand your project by adding a README.

Use an SSH key and passphrase from account.

`git@github.com:codrinalex1994/PostmanAut`

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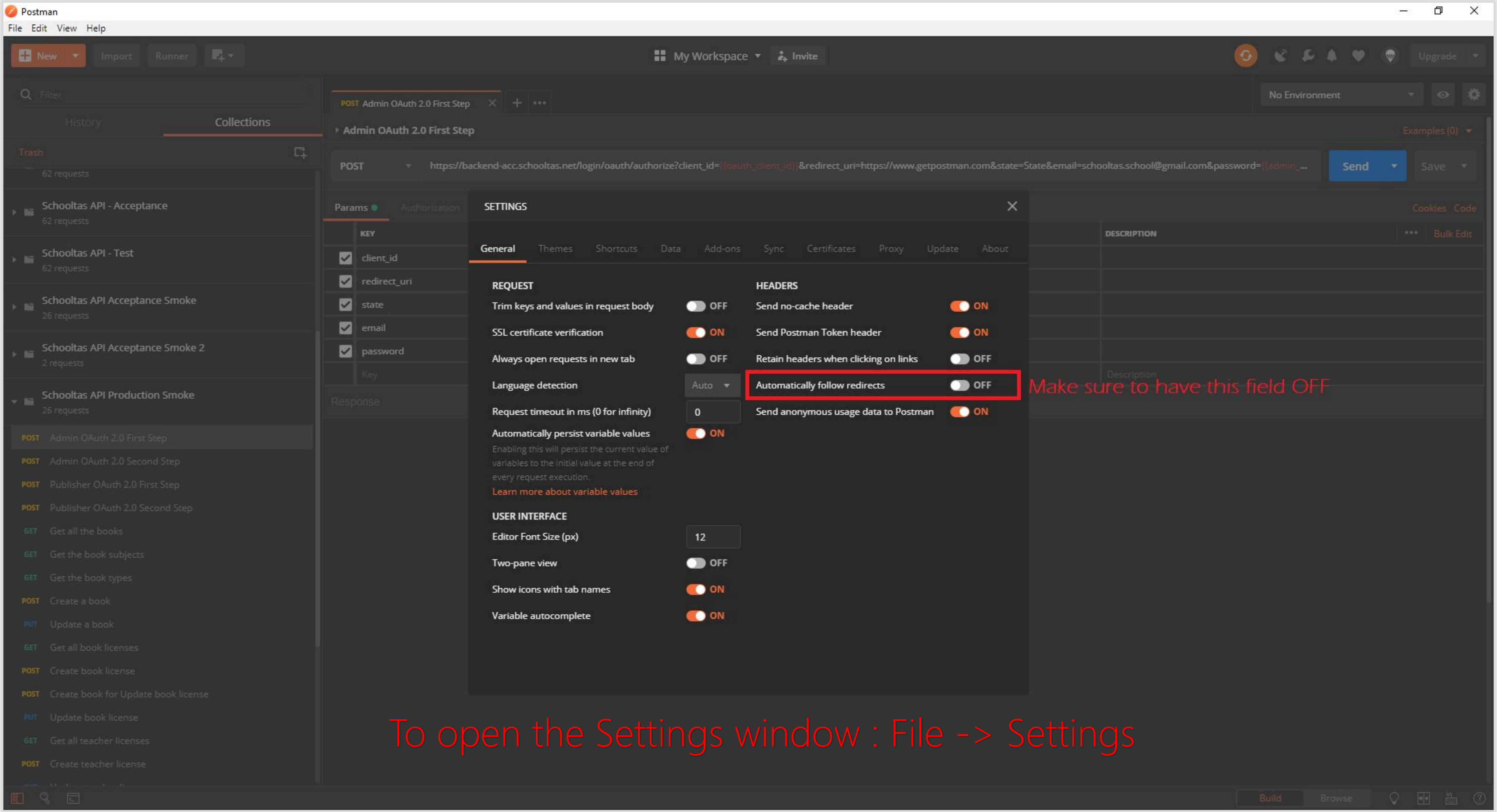
Make sure to have **Automatically follow redirects** set as **OFF**



POST Admin OAuth 2.0 First Step

POST https://backend-acc.schooltas.net/login/oauth/authorize?client_id={{oauth_client_id}}&redirect_uri=https://www.getpostman.com&state=State&email=schooltas.school@gmail.com&password={{admin_...

KEY
☑ client_id
☑ redirect_uri
☑ state
☑ email
☑ password

SETTINGS

General | Themes | Shortcuts | Data | Add-ons | Sync | Certificates | Proxy | Update | About

REQUEST

Trim keys and values in request body	OFF
SSL certificate verification	ON
Always open requests in new tab	OFF
Language detection	Auto
Request timeout in ms (0 for infinity)	0
Automatically persist variable values	ON

Enabling this will persist the current value of variables to the initial value at the end of every request execution.

Learn more about variable values

USER INTERFACE

Editor Font Size (px)	12
Two-pane view	OFF
Show icons with tab names	ON
Variable autocomplete	ON

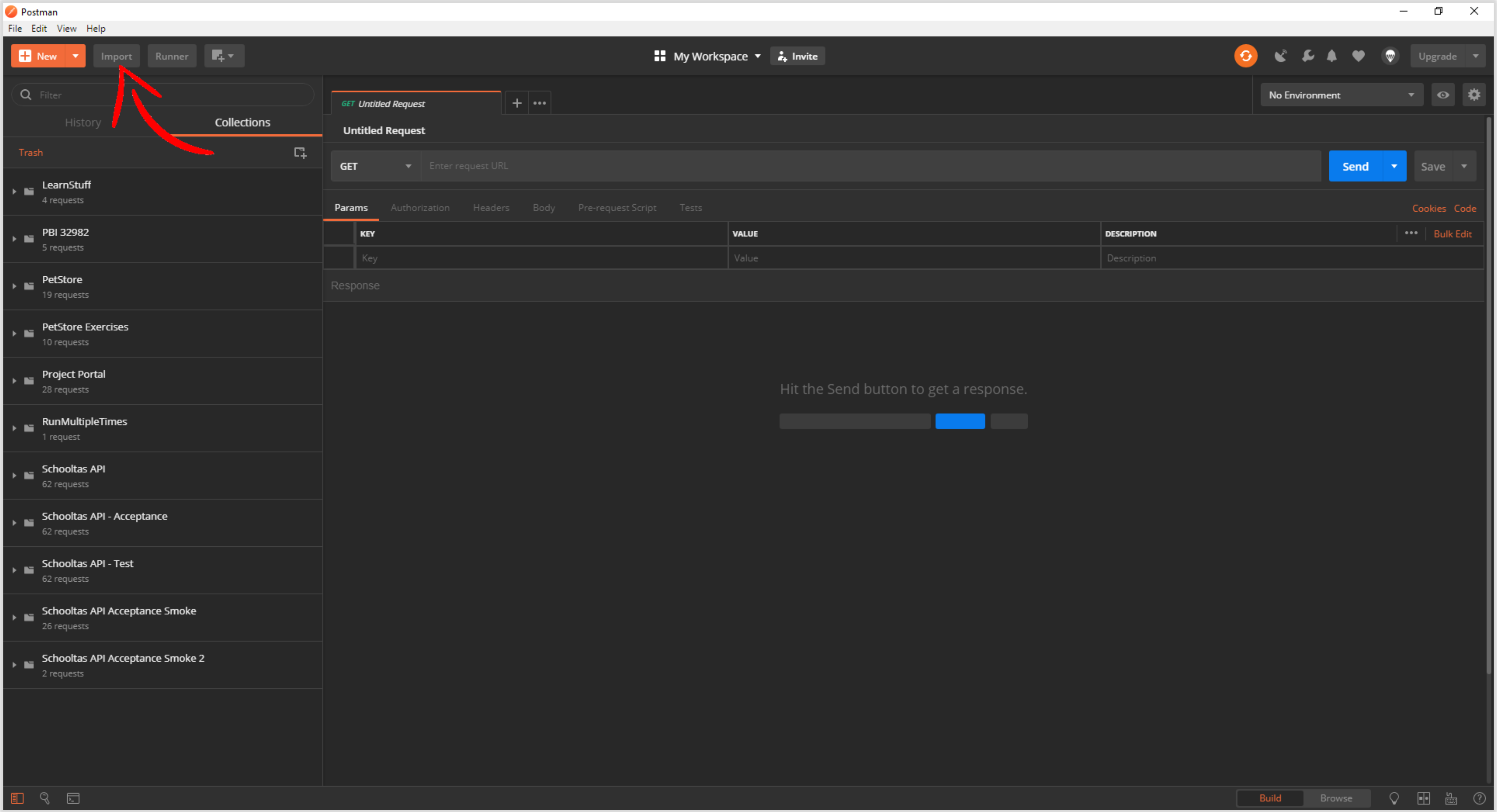
HEADERS

Send no-cache header	ON
Send Postman Token header	ON
Retain headers when clicking on links	OFF
Automatically follow redirects	OFF
Send anonymous usage data to Postman	ON

Make sure to have this field OFF

To open the Settings window : File -> Settings

Import the Postman Collection



LearnStuff
4 requests

PBI 32982
5 requests

PetStore
19 requests

PetStore Exercises
10 requests

Project Portal
28 requests

RunMultipleTimes
1 request

Schooltas API
62 requests

Schooltas API - Acceptance
62 requests

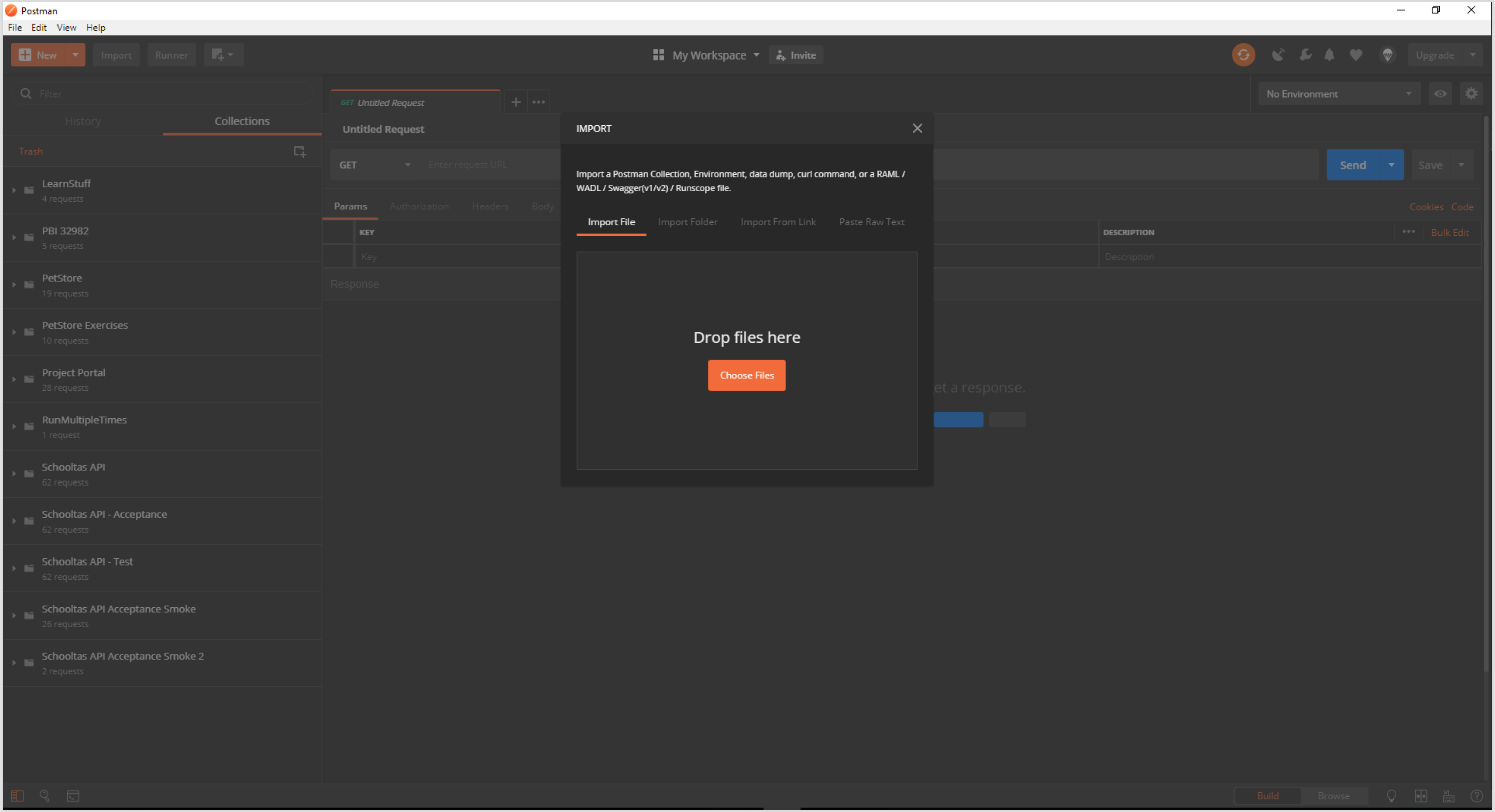
Schooltas API - Test
62 requests

Schooltas API Acceptance Smoke
26 requests

Schooltas API Acceptance Smoke 2
2 requests

Hit the Send button to get a response.

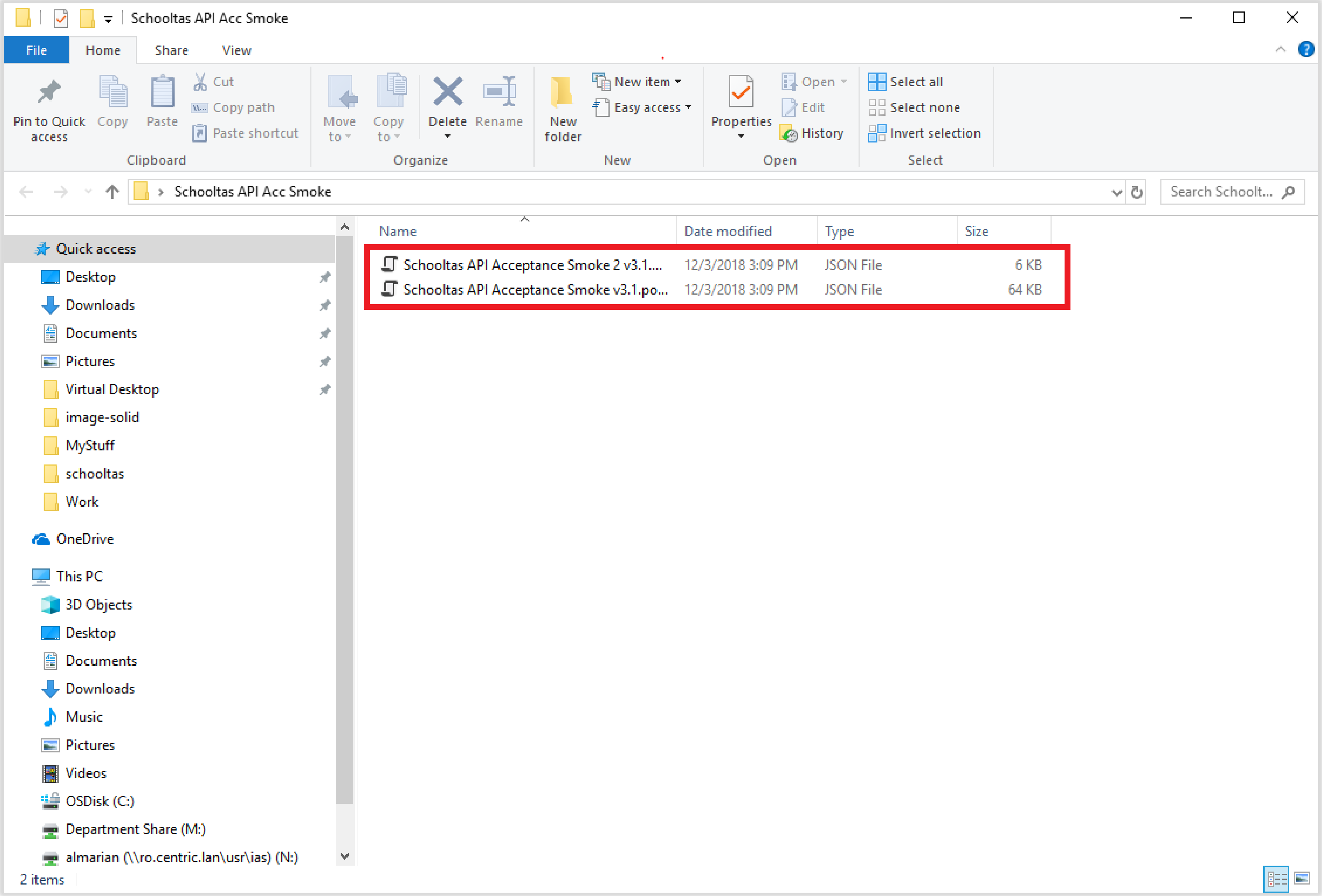
Drag and Drop or Choose from files the collection



IMPORT

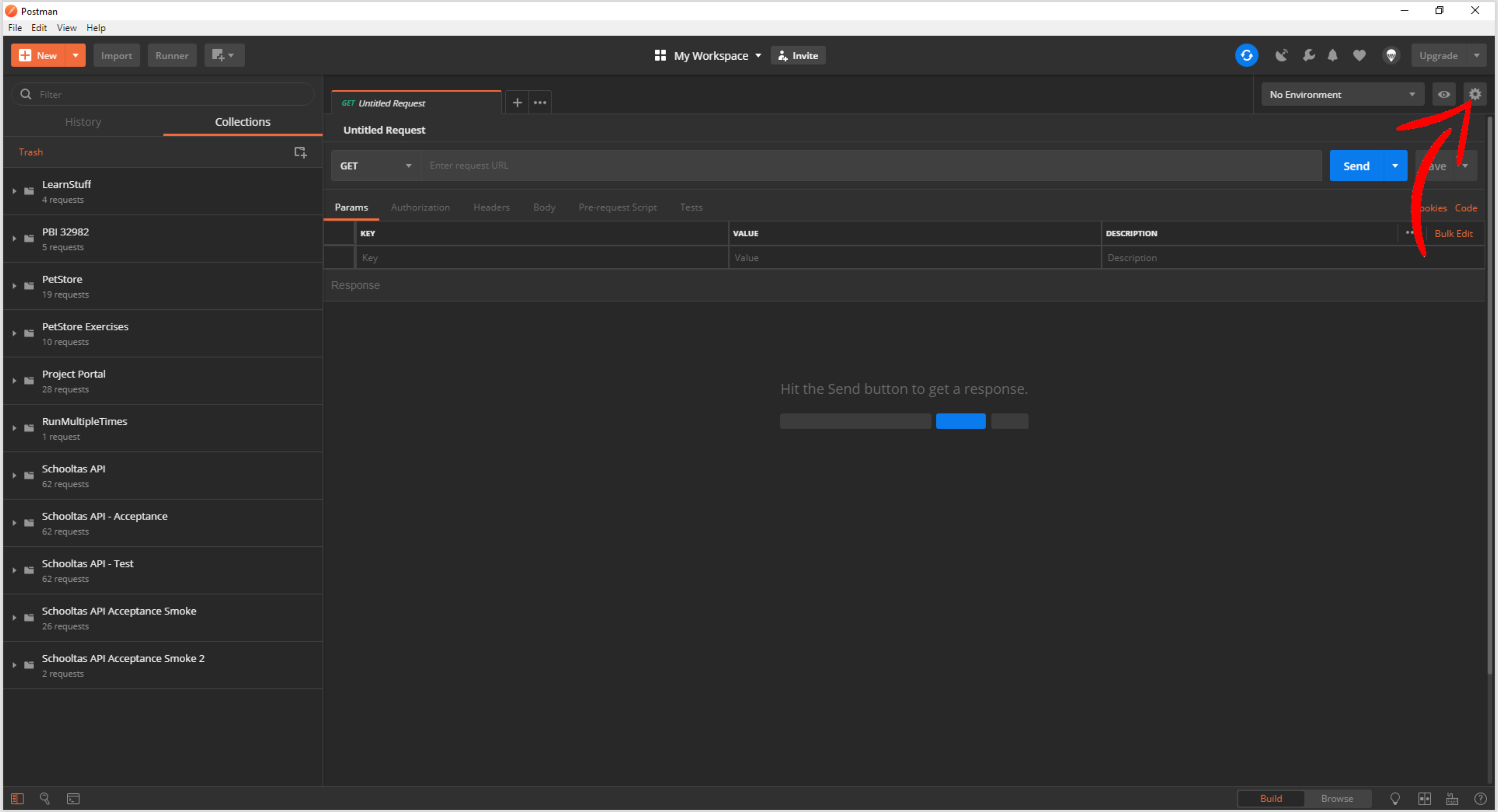
Import a Postman Collection, Environment, data dump, curl command, or a RAML / WADL / Swagger(v1/v2) / Runscope file.

From the archive import both collections



Name	Date modified	Type	Size
Schooltas API Acceptance Smoke 2 v3.1....	12/3/2018 3:09 PM	JSON File	6 KB
Schooltas API Acceptance Smoke v3.1.po...	12/3/2018 3:09 PM	JSON File	64 KB

Open the Manage Environments window



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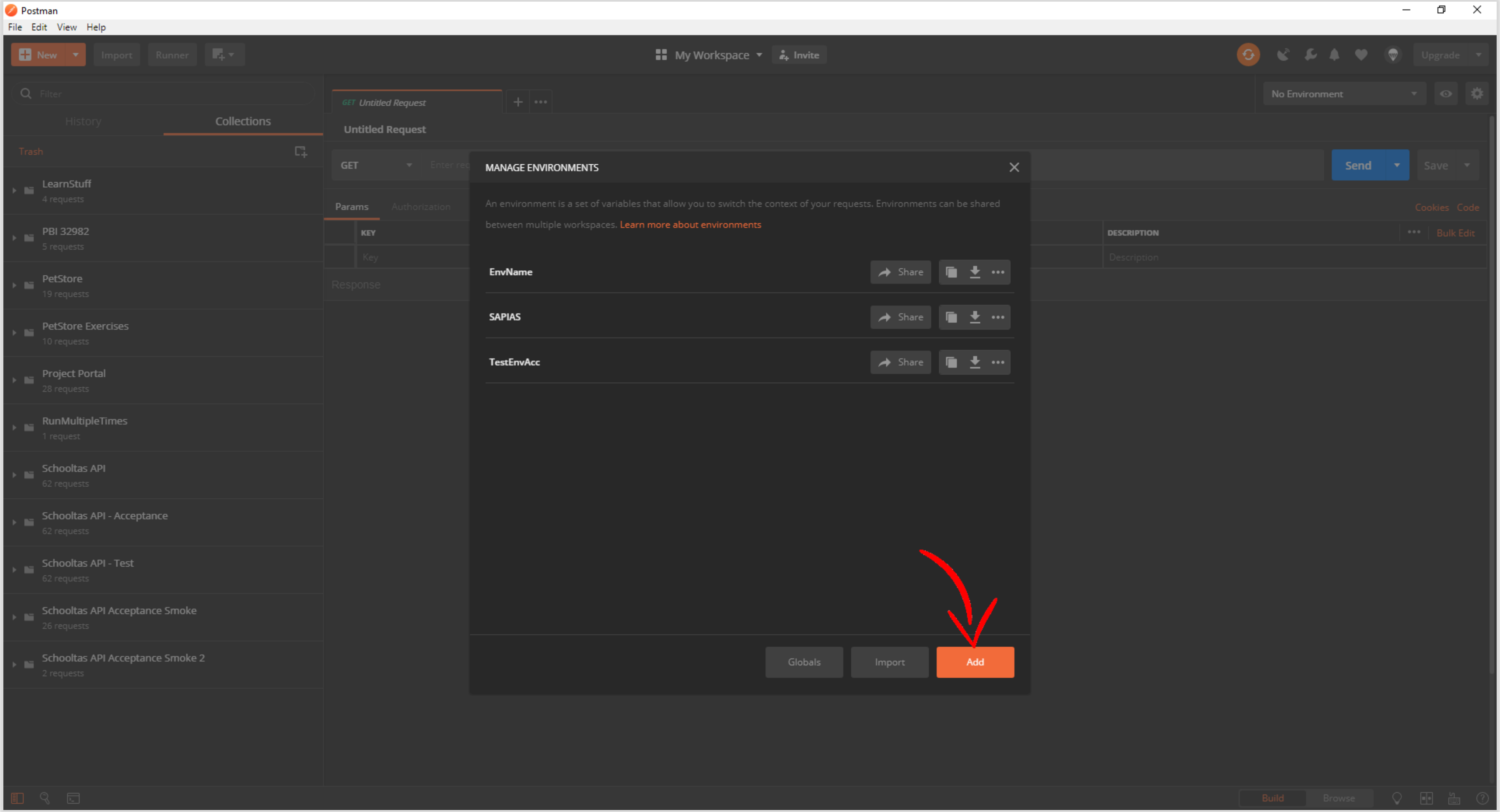
2 requests

Hit the Send button to get a response.

Create new environment when you run it for the first time



MANAGE ENVIRONMENTS

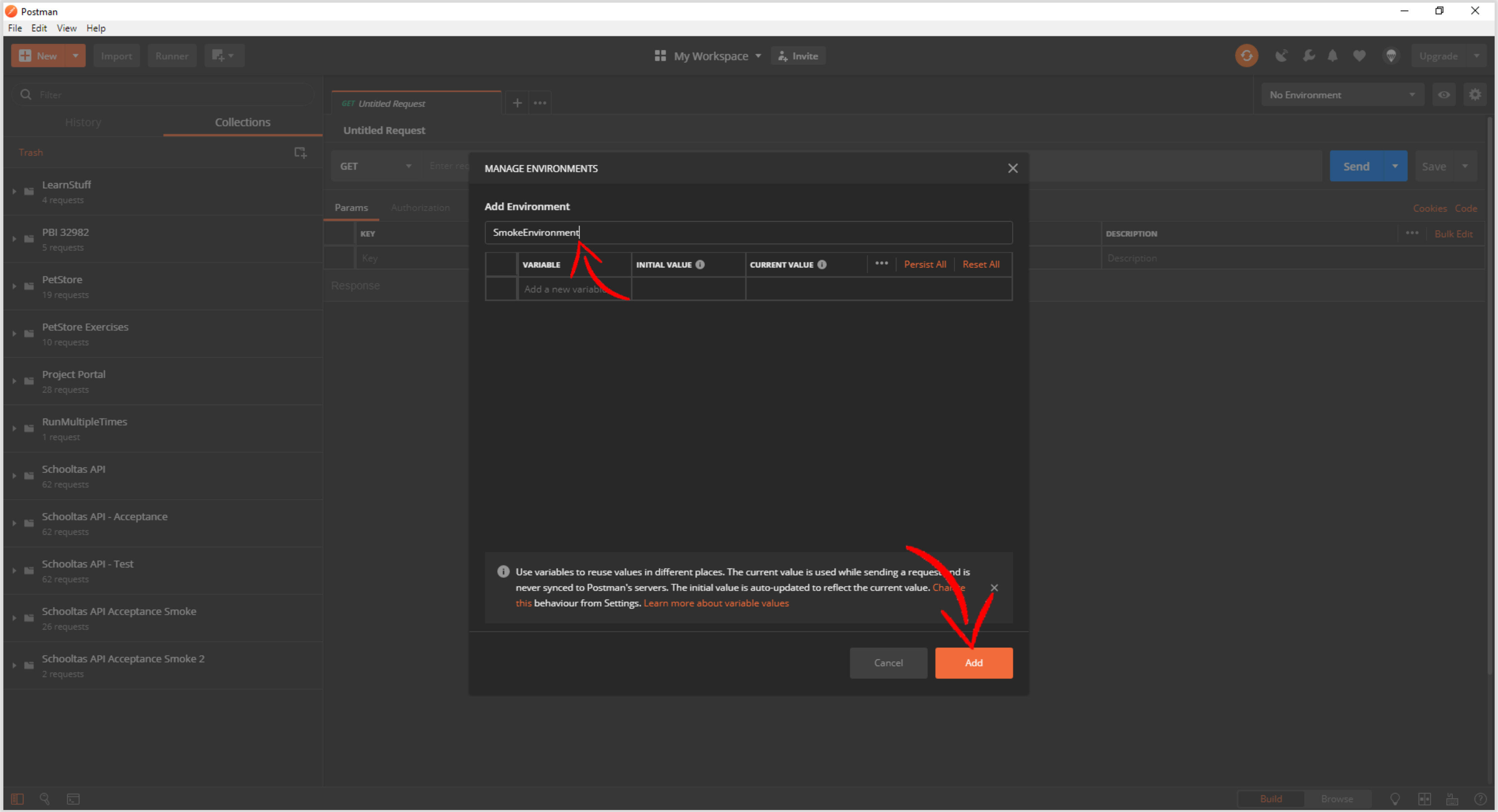
An environment is a set of variables that allow you to switch the context of your requests. Environments can be shared between multiple workspaces. Learn more about environments

EnvName

SAPIAS

TestEnvAcc

Type the Environment name and press the Add button



MANAGE ENVIRONMENTS

Add Environment

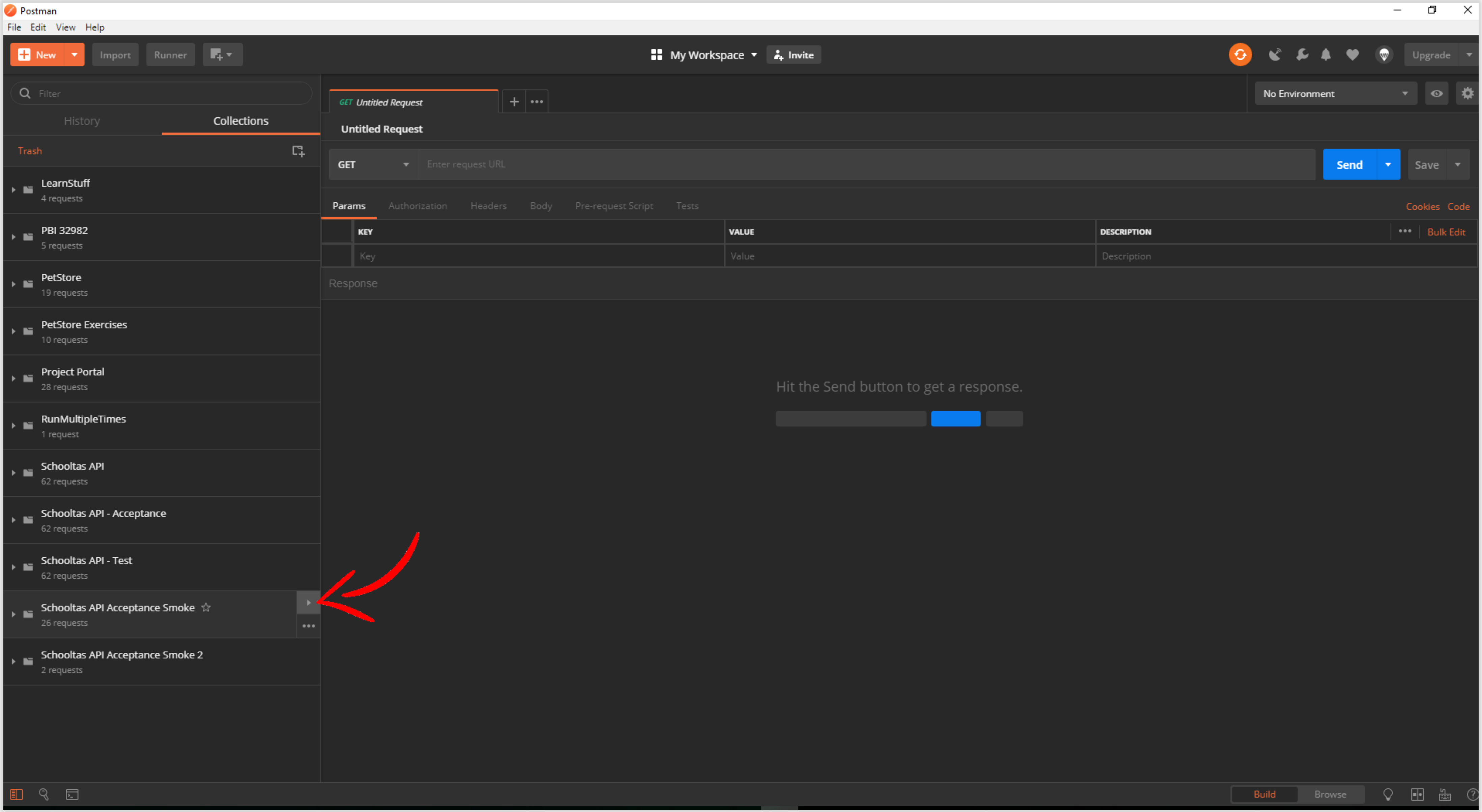
SmokeEnvironment

	VARIABLE	INITIAL VALUE	CURRENT VALUE	••• Persist All Reset All
	Add a new variable			

Use variables to reuse values in different places. The current value is used while sending a request and is never synced to Postman's servers. The initial value is auto-updated to reflect the current value. Change this behaviour from Settings. Learn more about variable values

Cancel Add

Hover over the collection and Press the right arrow to extend the collection view



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Schooltas API Acceptance Smoke ☆
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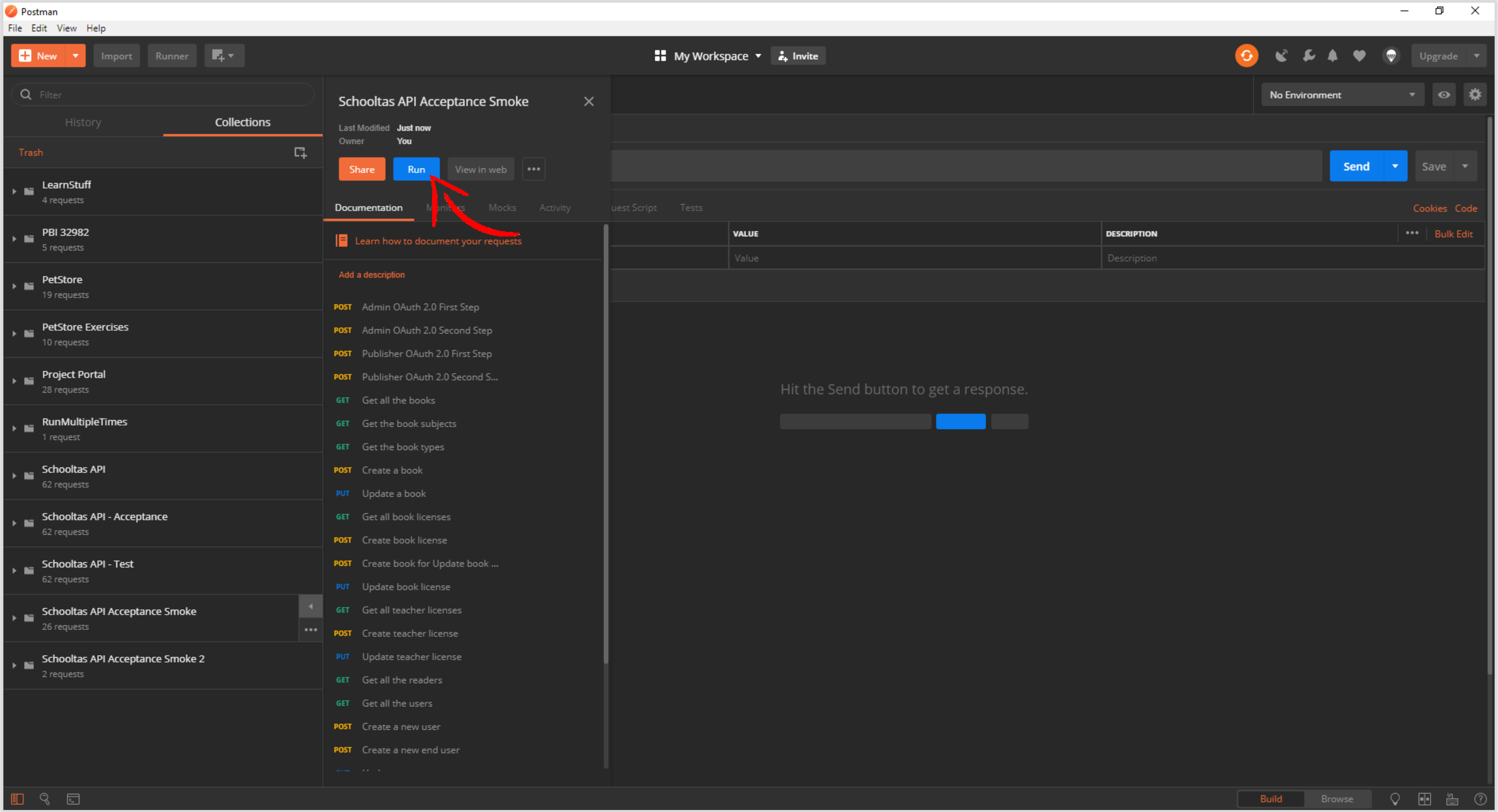
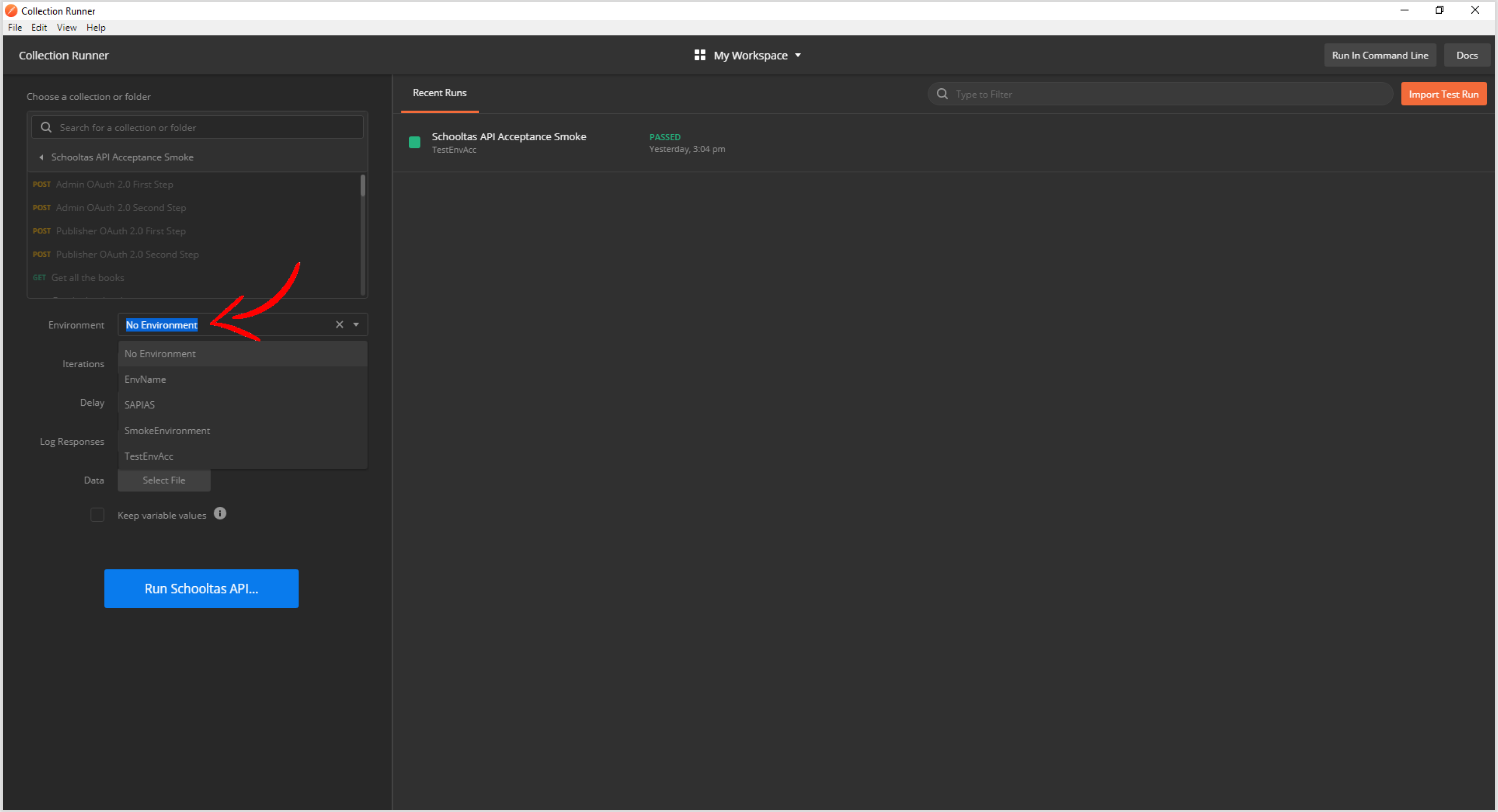
Schooltas API Acceptance Smoke 2
2 requests

Hit the Send button to get a response.

Press the Run button to open the Collection Runner



Pick the Environment you just made



Collection Runner

File Edit View Help

Collection Runner

My Workspace

Run In Command Line

Docs

Choose a collection or folder

Search for a collection or folder

Schooltas API Acceptance Smoke

POST Admin OAuth 2.0 First Step

POST Admin OAuth 2.0 Second Step

POST Publisher OAuth 2.0 First Step

POST Publisher OAuth 2.0 Second Step

GET Get all the books

Environment: No Environment

No Environment

EnvName

SAPIAS

SmokeEnvironment

TestEnvAcc

Iterations

Delay

Log Responses

Data: Select File

□ Keep variable values

Run Schooltas API...

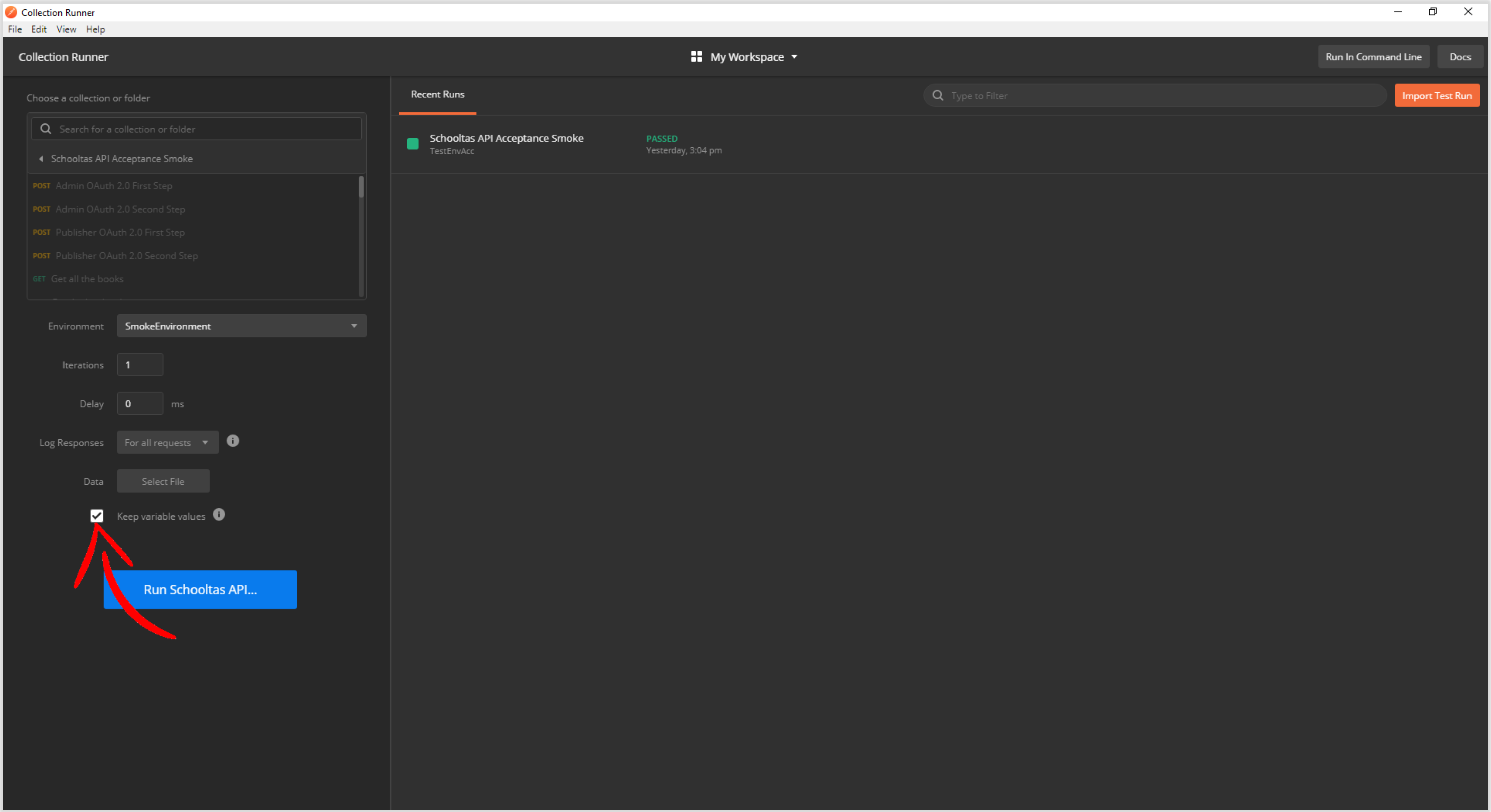
Recent Runs

Type to Filter

Import Test Run

🟩 Schooltas API Acceptance Smoke — TestEnvAcc — PASSED — Yesterday, 3:04 pm

Make sure that the **Keep variable values** is checked



Choose a collection or folder

Search for a collection or folder

Schooltas API Acceptance Smoke

POST Admin OAuth 2.0 First Step

POST Admin OAuth 2.0 Second Step

POST Publisher OAuth 2.0 First Step

POST Publisher OAuth 2.0 Second Step

GET Get all the books

Environment: SmokeEnvironment

Iterations: 1

Delay: 0 ms

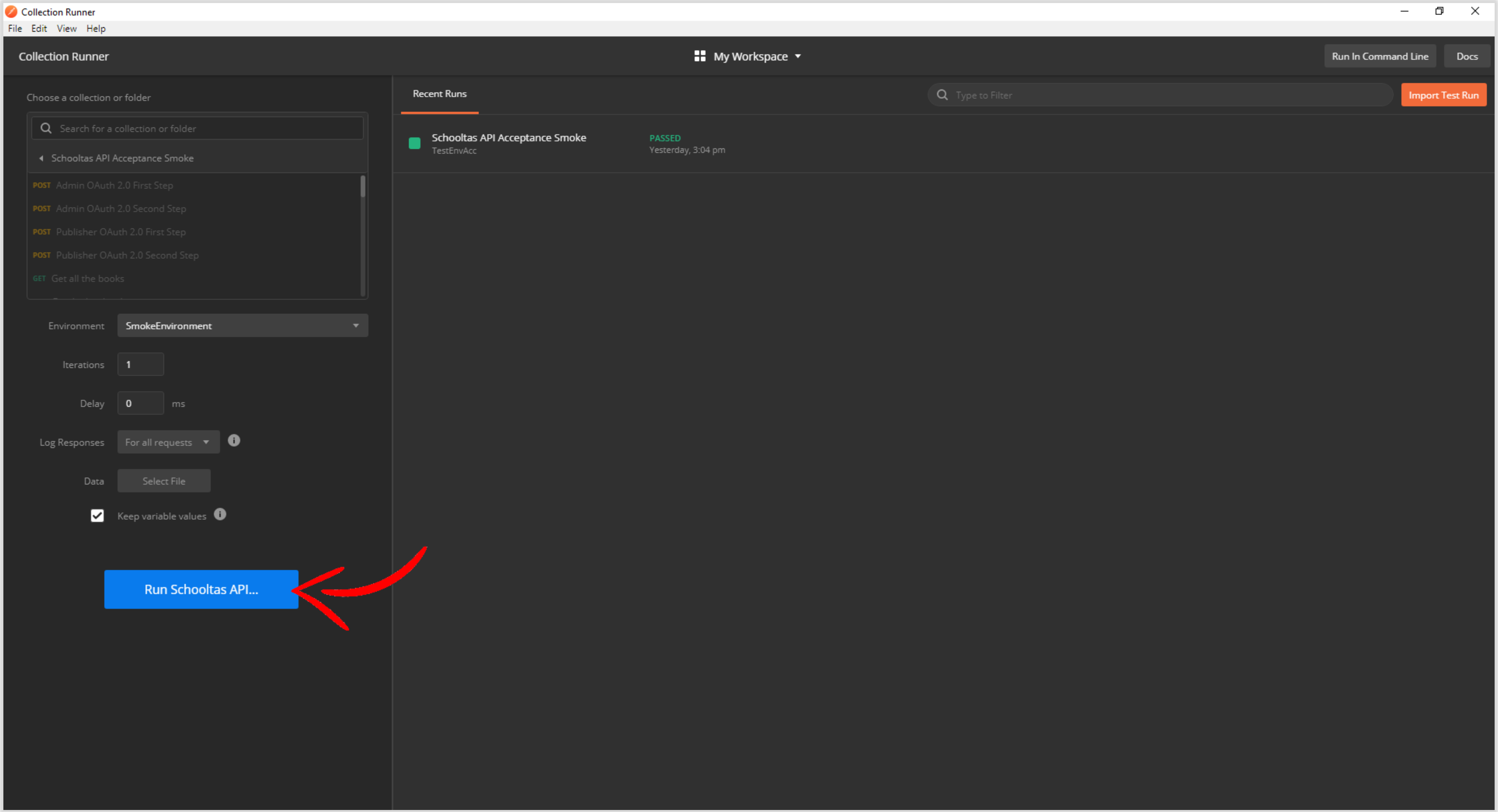
Log Responses: For all requests

Data: Select File

☑ Keep variable values

🟩 Schooltas API Acceptance Smoke — TestEnvAcc — PASSED — Yesterday, 3:04 pm

Press the **Run** button and watch the results



Schooltas API Acceptance Smoke

- POST Admin OAuth 2.0 First Step
- POST Admin OAuth 2.0 Second Step
- POST Publisher OAuth 2.0 First Step
- POST Publisher OAuth 2.0 Second Step
- GET Get all the books

Environment: SmokeEnvironment

Iterations: 1

Delay: 0 ms

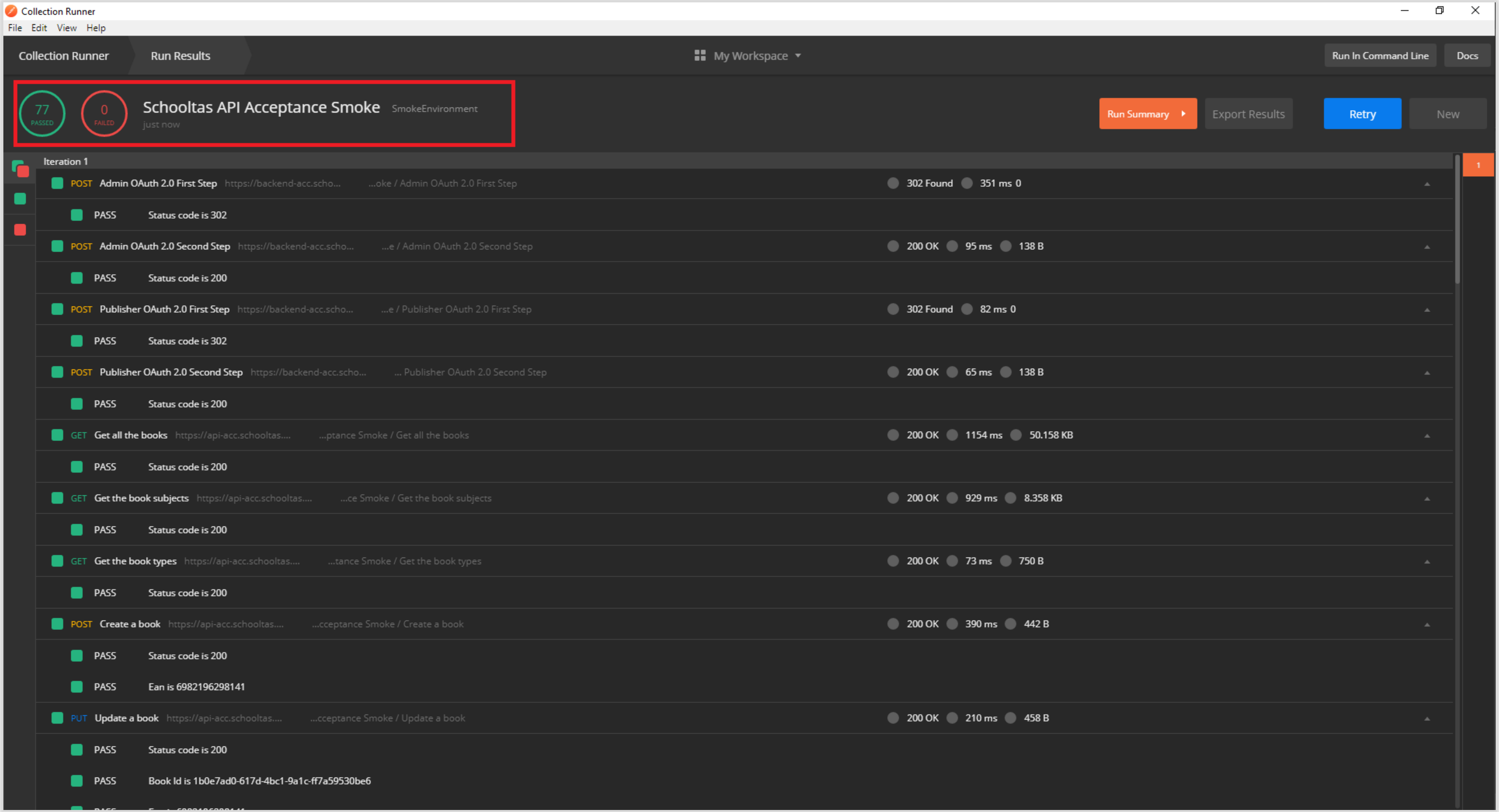
Log Responses: For all requests

Data: Select File

☑ Keep variable values

🟩 Schooltas API Acceptance Smoke — TestEnvAcc — PASSED — Yesterday, 3:04 pm

All the passed or failed tests can be seen here



77 PASSED

0 FAILED

Schooltas API Acceptance Smoke SmokeEnvironment

just now

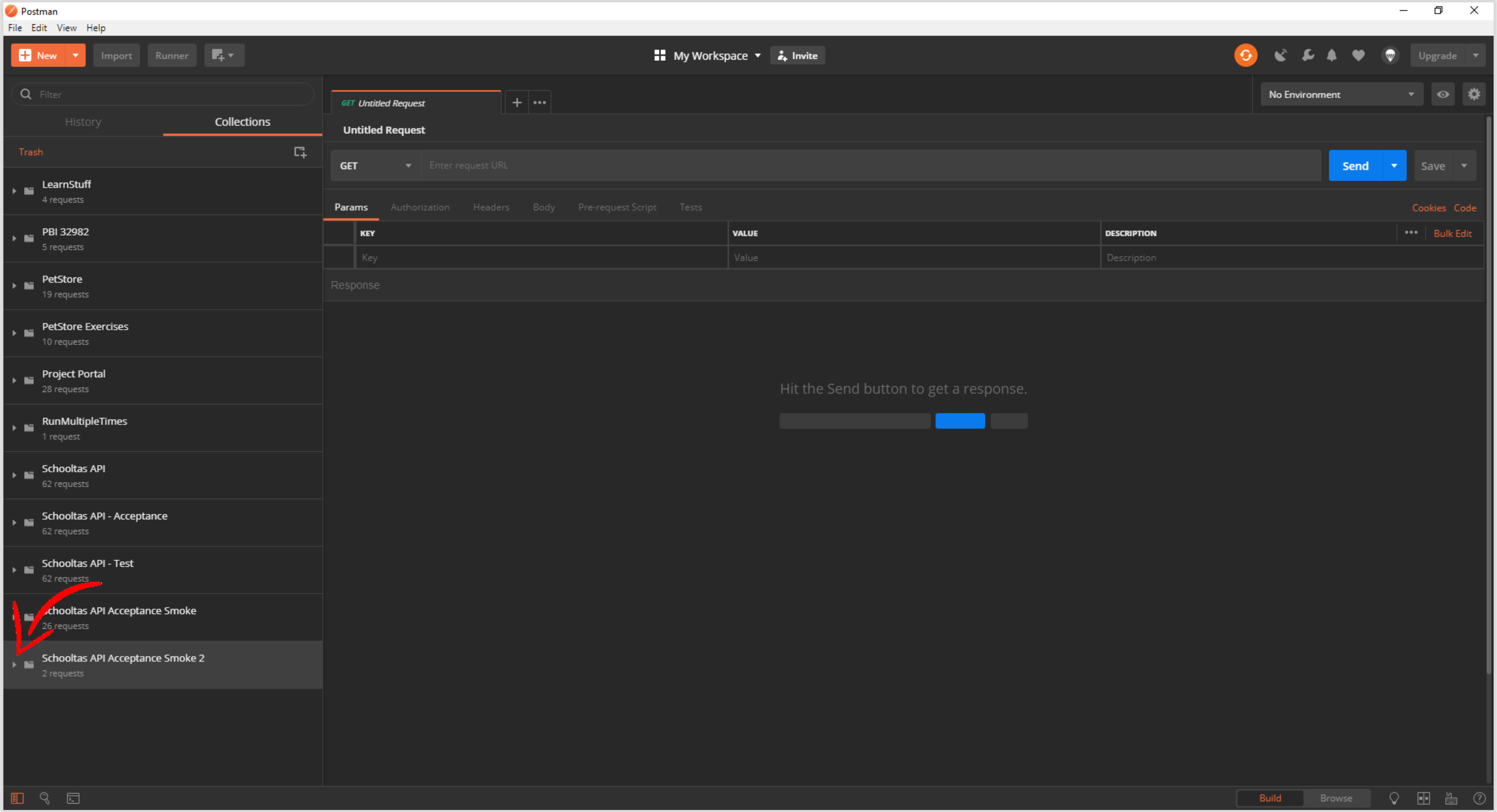
```
Iteration 1
POST Admin OAuth 2.0 First Step https://backend-acc.scho...  ...oke / Admin OAuth 2.0 First Step  302 Found  351 ms 0
  PASS  Status code is 302
POST Admin OAuth 2.0 Second Step https://backend-acc.scho...  ...e / Admin OAuth 2.0 Second Step  200 OK  95 ms  138 B
  PASS  Status code is 200
POST Publisher OAuth 2.0 First Step https://backend-acc.scho...  ...e / Publisher OAuth 2.0 First Step  302 Found  82 ms 0
  PASS  Status code is 302
POST Publisher OAuth 2.0 Second Step https://backend-acc.scho...  ... Publisher OAuth 2.0 Second Step  200 OK  65 ms  138 B
  PASS  Status code is 200
GET Get all the books https://api-acc.schooltas....  ...ptance Smoke / Get all the books  200 OK  1154 ms  50.158 KB
  PASS  Status code is 200
GET Get the book subjects https://api-acc.schooltas....  ...ce Smoke / Get the book subjects  200 OK  929 ms  8.358 KB
  PASS  Status code is 200
GET Get the book types https://api-acc.schooltas....  ...tance Smoke / Get the book types  200 OK  73 ms  750 B
  PASS  Status code is 200
POST Create a book https://api-acc.schooltas....  ...cceptance Smoke / Create a book  200 OK  390 ms  442 B
  PASS  Status code is 200
  PASS  Ean is 6982196298141
PUT Update a book https://api-acc.schooltas....  ...cceptance Smoke / Update a book  200 OK  210 ms  458 B
  PASS  Status code is 200
  PASS  Book Id is 1b0e7ad0-617d-4bc1-9a1c-ff7a59530be6
```

Now comes the manually testing part

Due to the lack of knowledge and postman missing functionality,
the create a new reader request cannot be automated,
so it needs to be tested manually.

The update a reader request cannot be automated,
due to its dependencies on the create a new reader request.

Extend the second collection



- LearnStuff 4 requests
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- RunMultipleTimes 1 request
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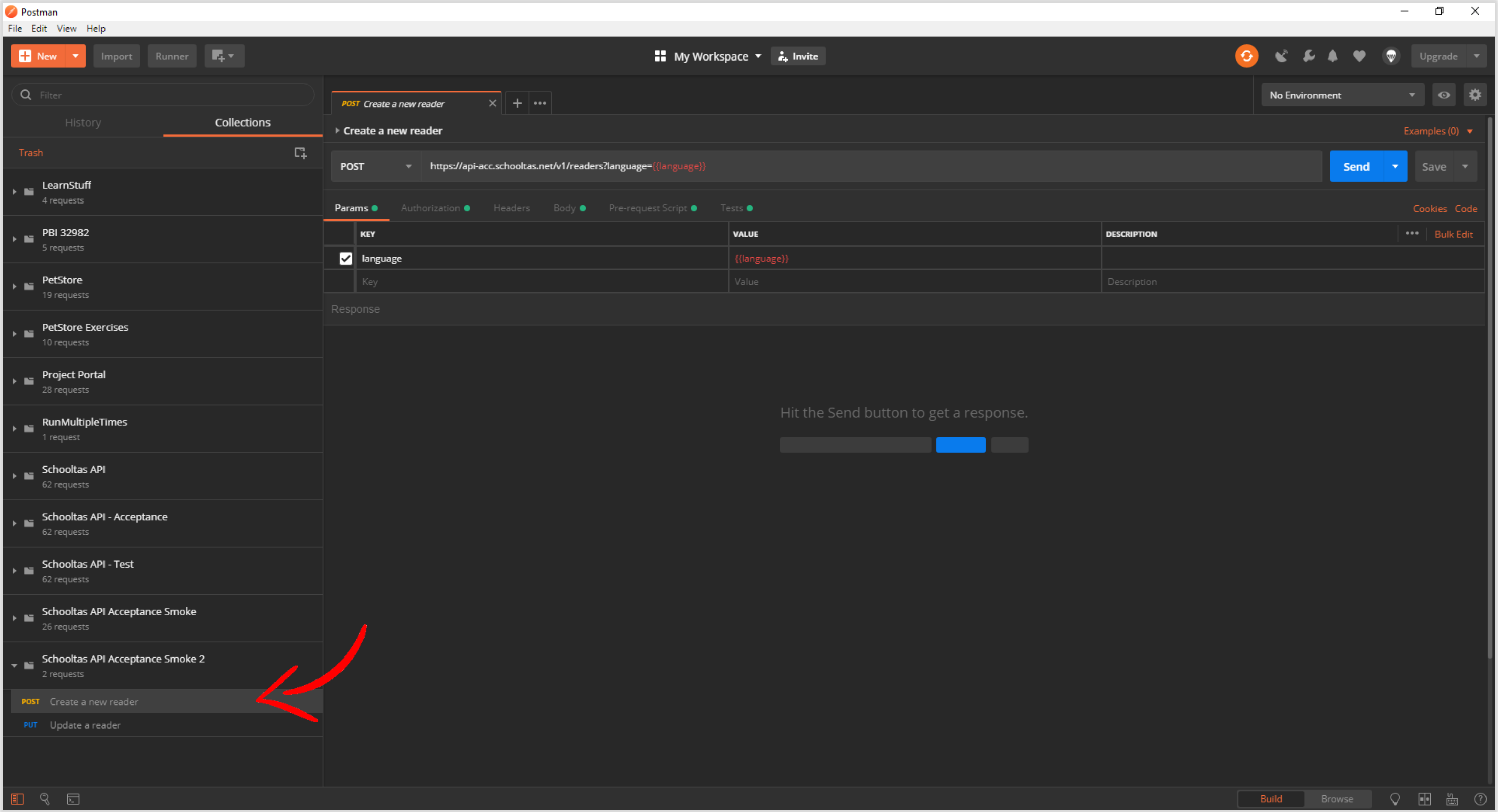
- Schooltas API - Acceptance 62 requests
- Schooltas API - Test 62 requests
- Schooltas API Acceptance Smoke 26 requests
- Schooltas API Acceptance Smoke 2 2 requests

Open the **Create a new reader** request



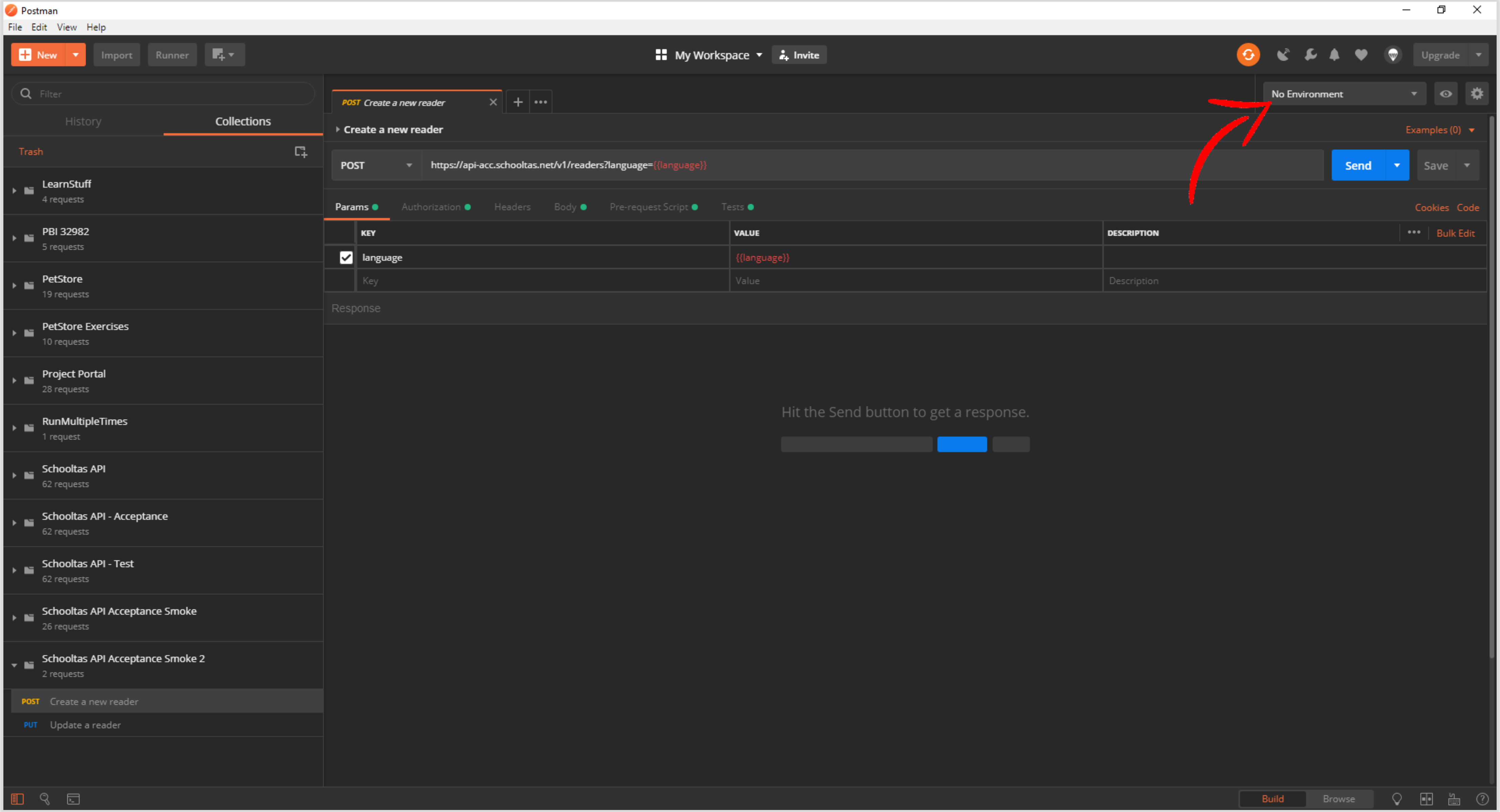
Create a new reader

POST https://api-acc.schooltas.net/v1/readers?language={{language}}

	KEY	VALUE	DESCRIPTION
☑	language	{{language}}	
	Key	Value	Description

Hit the Send button to get a response.

Set your created environment



POST Create a new reader

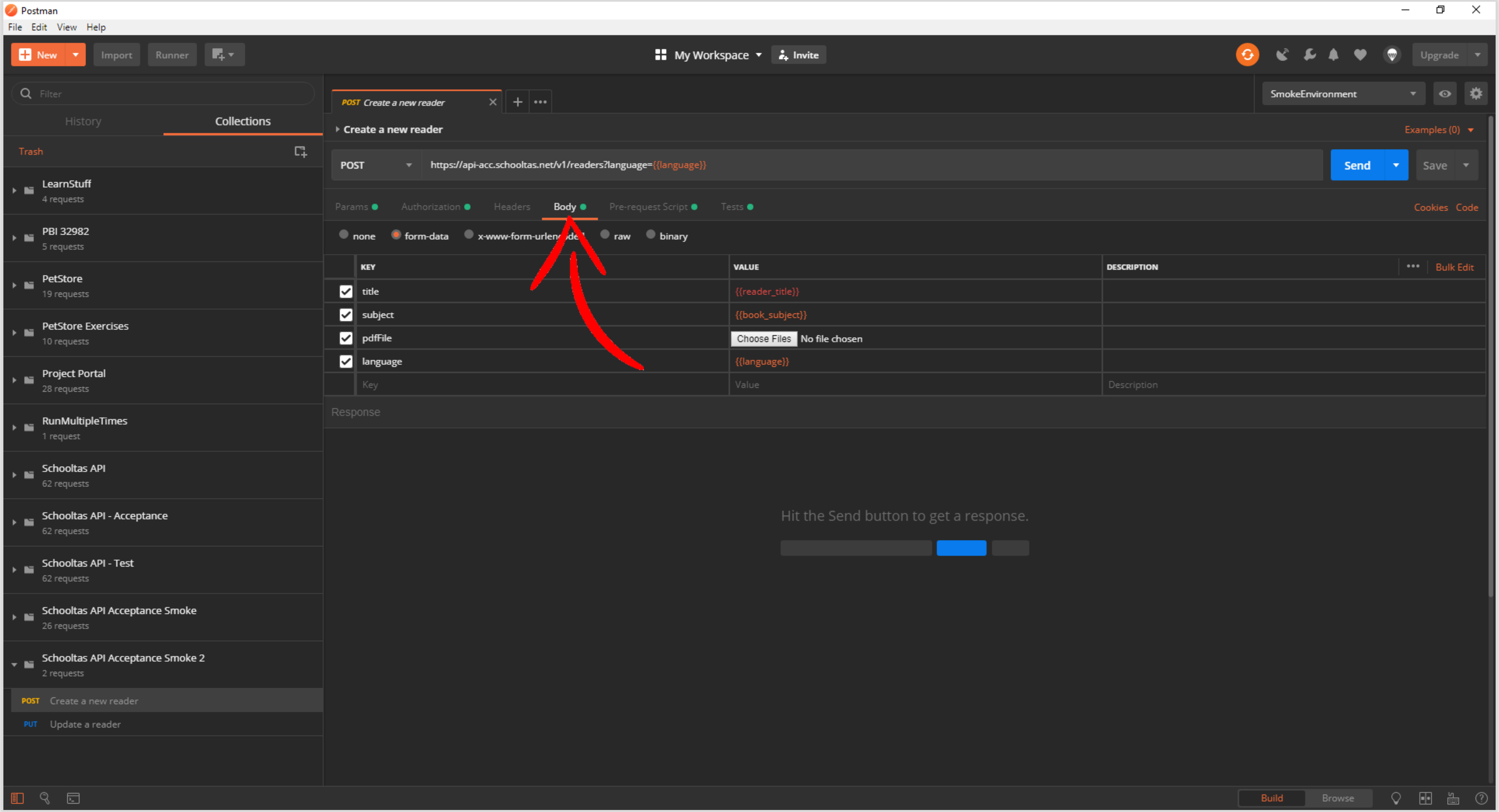
Create a new reader

POST https://api-acc.schooltas.net/v1/readers?language={{language}}

KEY	VALUE	DESCRIPTION
☑ language	{{language}}	
Key	Value	Description

Hit the Send button to get a response.

Go to the Body tab of the request



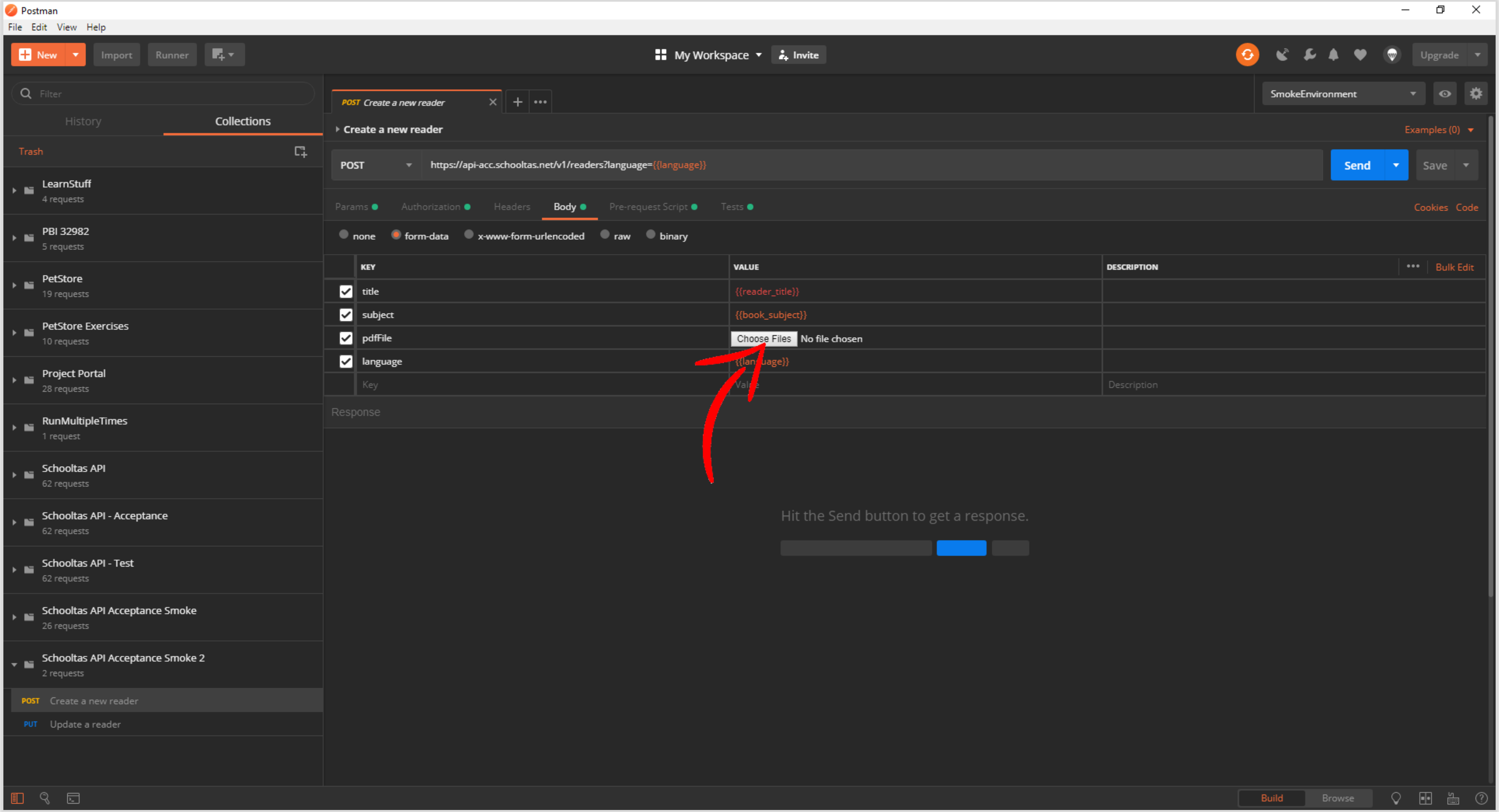
POST Create a new reader

POST https://api-acc.schooltas.net/v1/readers?language={{language}}

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

	KEY	VALUE	DESCRIPTION
☑	title	{{reader_title}}	
☑	subject	{{book_subject}}	
☑	pdfFile	Choose Files No file chosen	
☑	language	{{language}}	
	Key	Value	Description

Choose a PDF for the reader



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- Project Portal — 28 requests
- RunMultipleTimes — 1 request
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- Schooltas API Acceptance Smoke — 26 requests
- Schooltas API Acceptance Smoke 2 — 2 requests
  - POST Create a new reader
  - PUT Update a reader

POST Create a new reader

Create a new reader

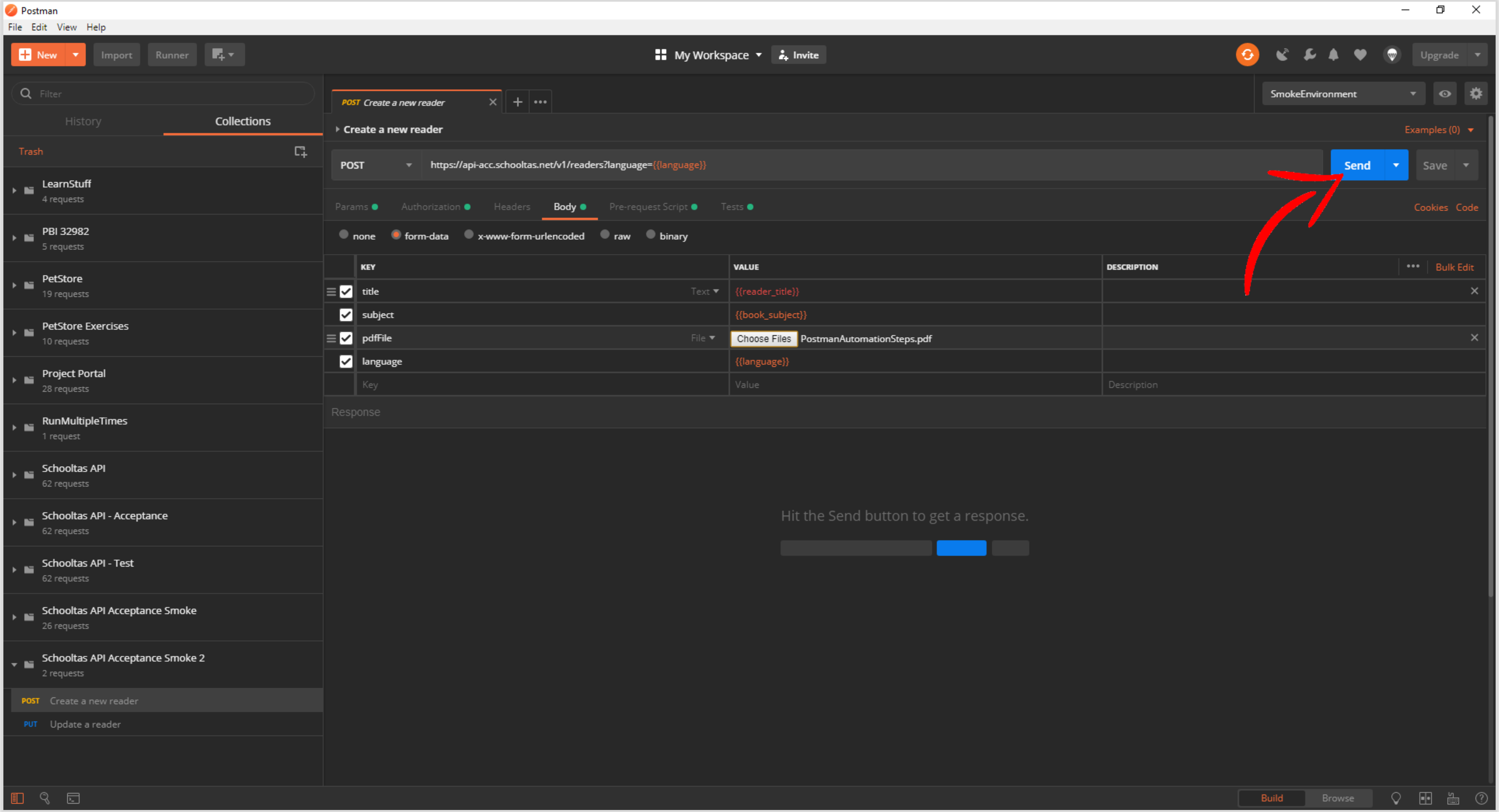
POST https://api-acc.schooltas.net/v1/readers?language={{language}}

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

	KEY	VALUE	DESCRIPTION
☑	title	{{reader_title}}	
☑	subject	{{book_subject}}	
☑	pdfFile	Choose Files No file chosen	
☑	language	{{language}}	
	Key	Value	Description

Hit the Send button to get a response.

Send the request



POST Create a new reader

Create a new reader

POST https://api-acc.schooltas.net/v1/readers?language={{language}}

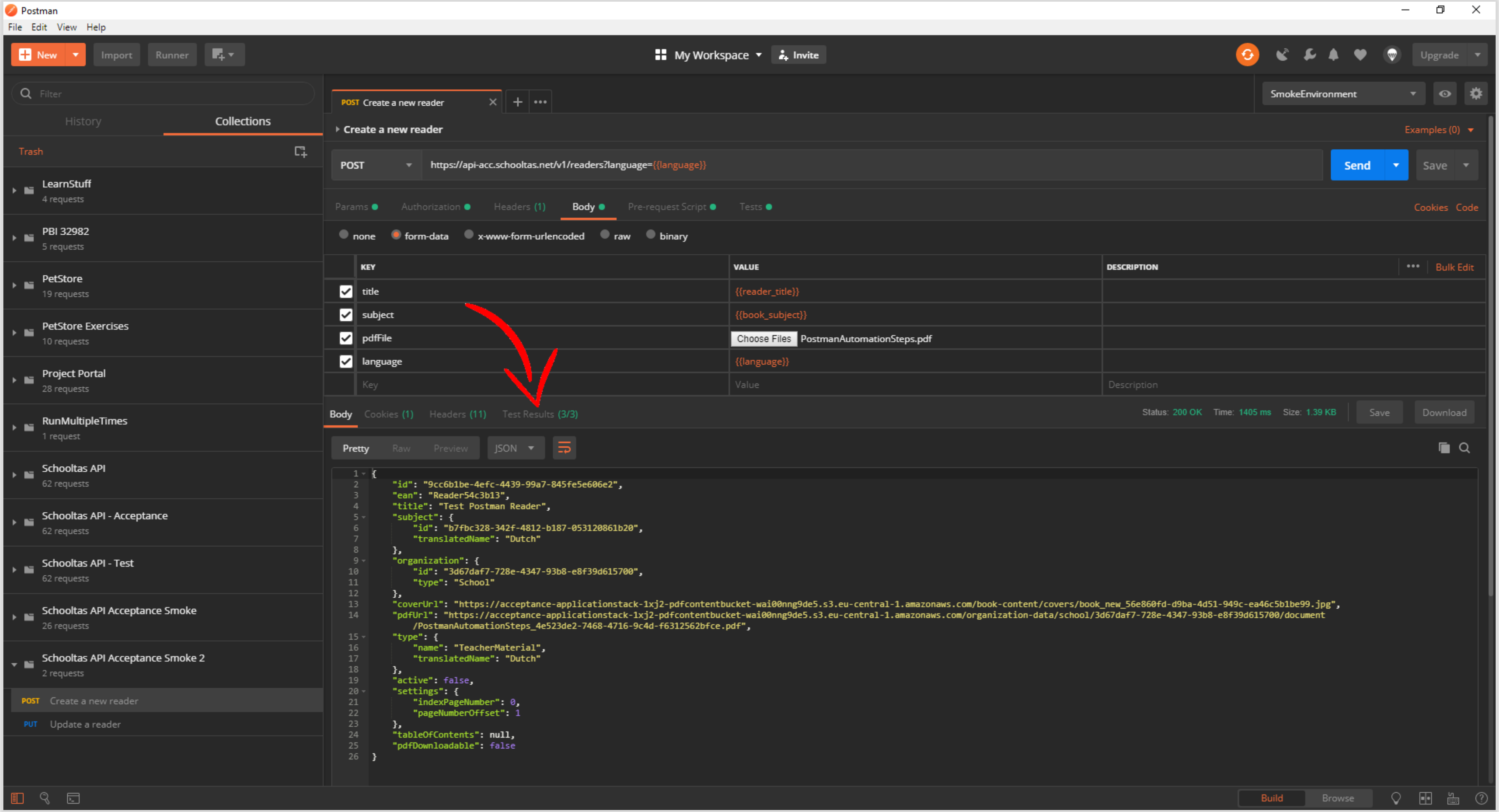
Body: ○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary

	KEY	VALUE	DESCRIPTION
☑	title	{{reader_title}}	
☑	subject	{{book_subject}}	
☑	pdfFile	Choose Files PostmanAutomationSteps.pdf	
☑	language	{{language}}	
	Key	Value	Description

Response

Hit the Send button to get a response.

Go to the Test Results tab



POST Create a new reader

POST https://api-acc.schooltas.net/v1/readers?language={{language}}

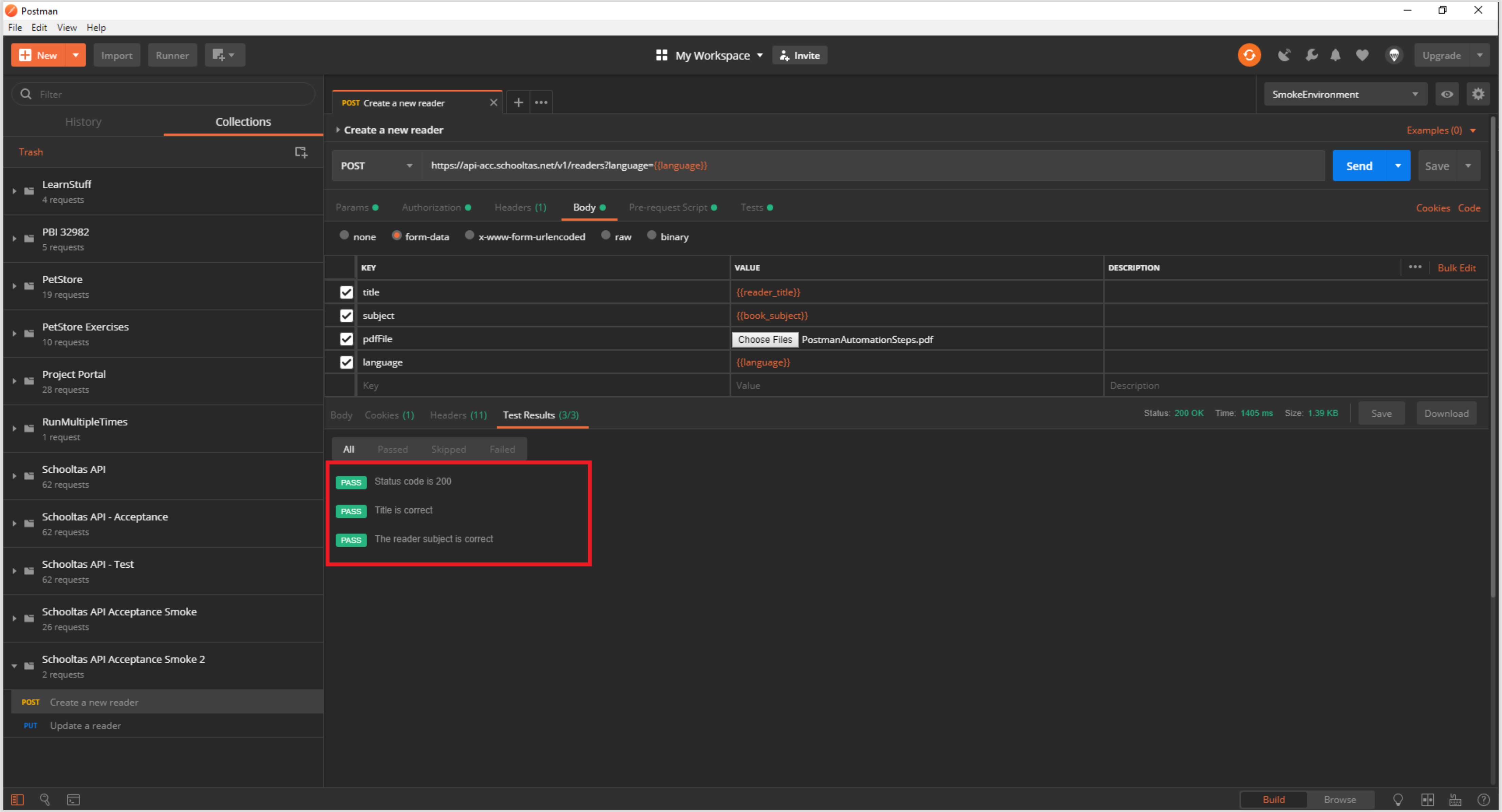
○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary

	KEY	VALUE	DESCRIPTION
☑	title	{{reader_title}}	
☑	subject	{{book_subject}}	
☑	pdfFile	Choose Files PostmanAutomationSteps.pdf	
☑	language	{{language}}	
	Key	Value	Description

Status: 200 OK Time: 1405 ms Size: 1.39 KB

```
{
    "id": "9cc6b1be-4efc-4439-99a7-845fe5e606e2",
    "ean": "Reader54c3b13",
    "title": "Test Postman Reader",
    "subject": {
        "id": "b7fbc328-342f-4812-b187-053120861b20",
        "translatedName": "Dutch"
    },
    "organization": {
        "id": "3d67daf7-728e-4347-93b8-e8f39d615700",
        "type": "School"
    },
    "coverUrl": "https://acceptance-applicationstack-1xj2-pdfcontentbucket-wai00nng9de5.s3.eu-central-1.amazonaws.com/book-content/covers/book_new_56e860fd-d9ba-4d51-949c-ea46c5b1be99.jpg",
    "pdfUrl": "https://acceptance-applicationstack-1xj2-pdfcontentbucket-wai00nng9de5.s3.eu-central-1.amazonaws.com/organization-data/school/3d67daf7-728e-4347-93b8-e8f39d615700/document
        /PostmanAutomationSteps_4e523de2-7468-4716-9c4d-f6312562bfce.pdf",
    "type": {
        "name": "TeacherMaterial",
        "translatedName": "Dutch"
    },
    "active": false,
    "settings": {
        "indexPageNumber": 0,
        "pageNumberOffset": 1
    },
    "tableOfContents": null,
    "pdfDownloadable": false
}
```

Watch the results



POST Create a new reader

Create a new reader

POST https://api-acc.schooltas.net/v1/readers?language={{language}}

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

	KEY	VALUE	DESCRIPTION
☑	title	{{reader_title}}	
☑	subject	{{book_subject}}	
☑	pdfFile	Choose Files PostmanAutomationSteps.pdf	
☑	language	{{language}}	
	Key	Value	Description

Body Cookies (1) Headers (11) Test Results (3/3)

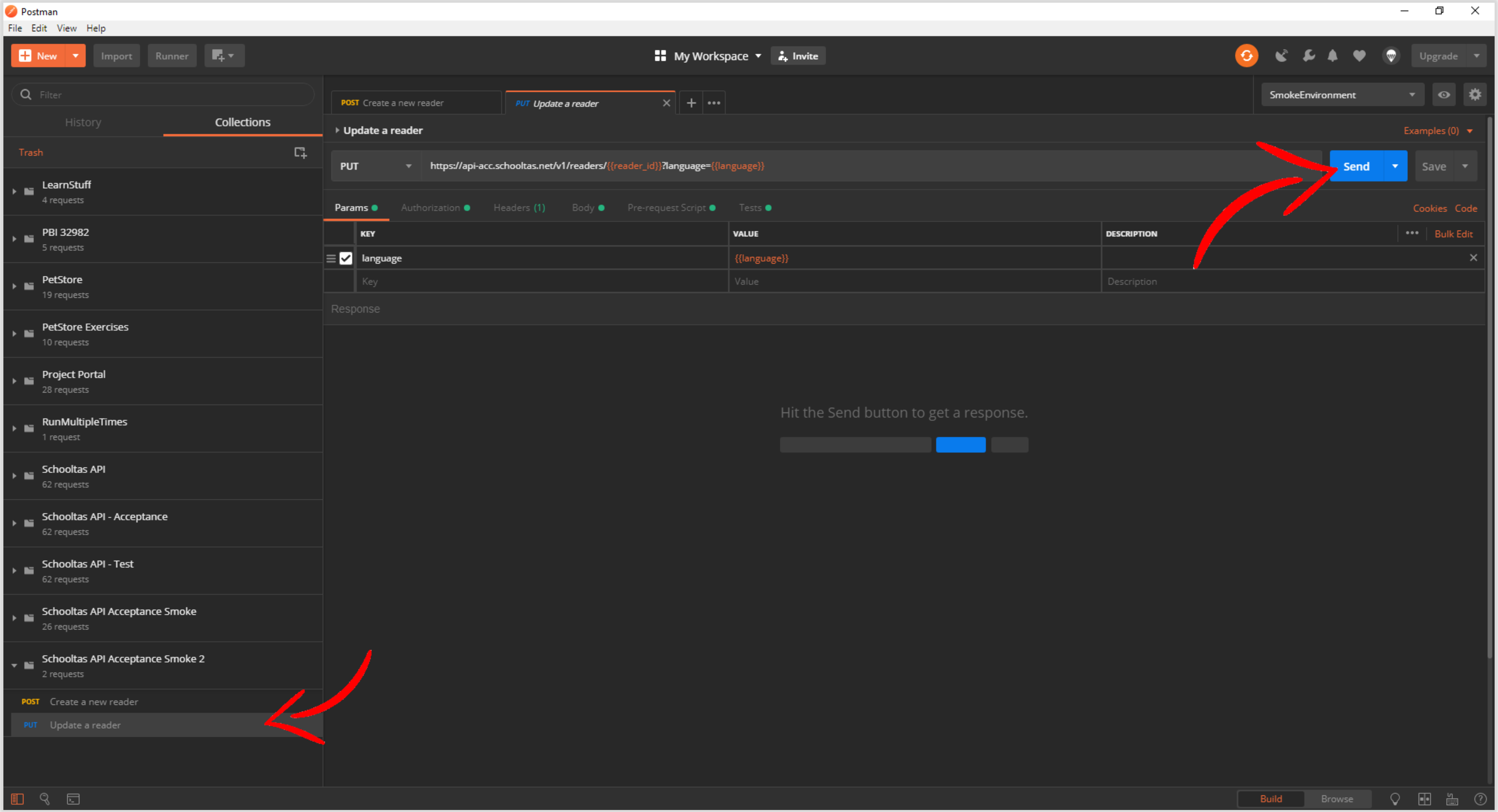
Status: 200 OK Time: 1405 ms Size: 1.39 KB

PASS Status code is 200

PASS Title is correct

PASS The reader subject is correct

Select the next request and press the **Send** button



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Schooltas API Acceptance Smoke
26 requests

Schooltas API Acceptance Smoke 2
2 requests

POST Create a new reader

PUT Update a reader

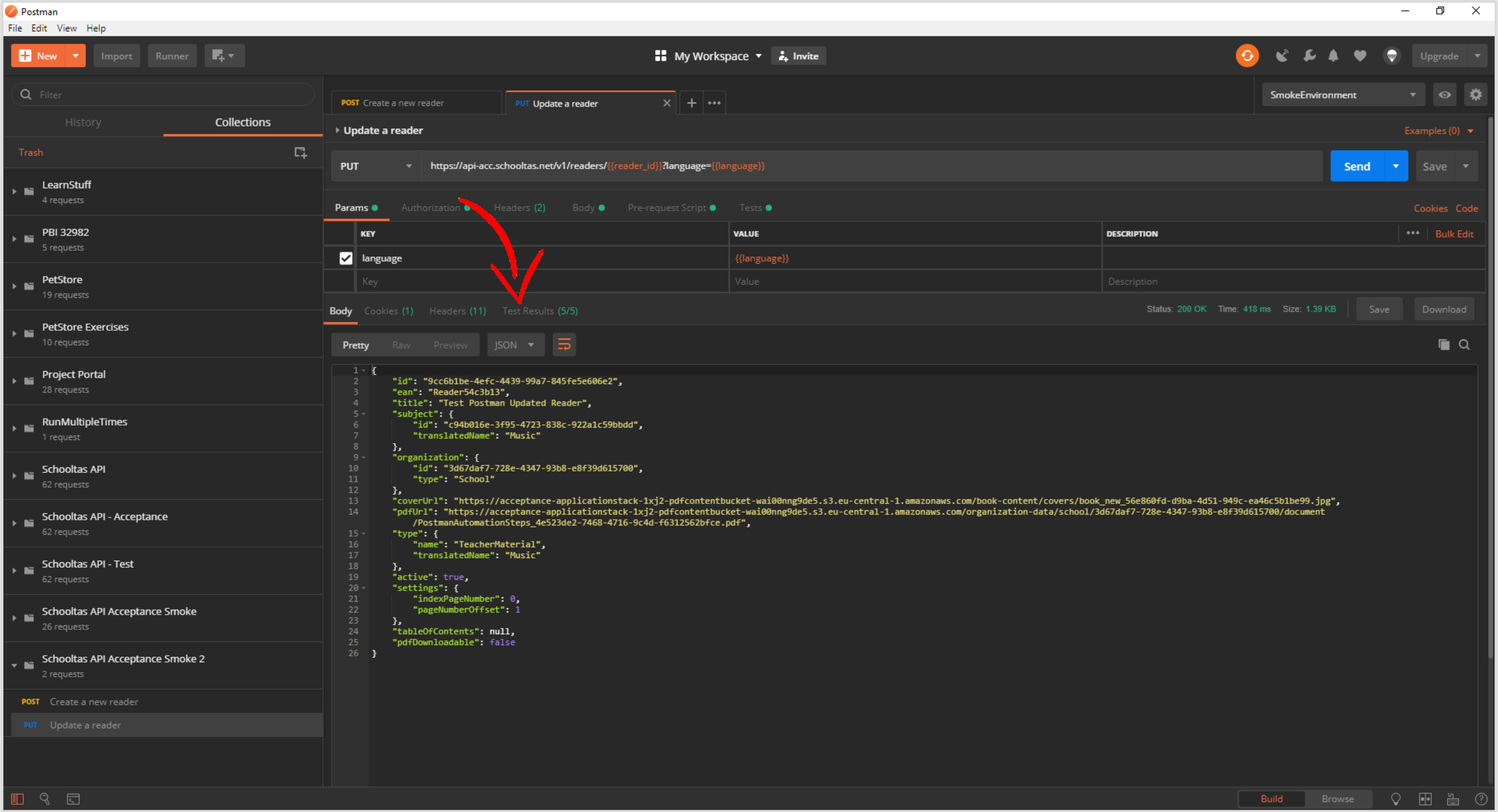
POST Create a new reader | PUT Update a reader

Update a reader

PUT https://api-acc.schooltas.net/v1/readers/{{reader_id}}?language={{language}}

	KEY	VALUE	DESCRIPTION
☑	language	{{language}}	
	Key	Value	Description

Go to the Test Results tab



Update a reader

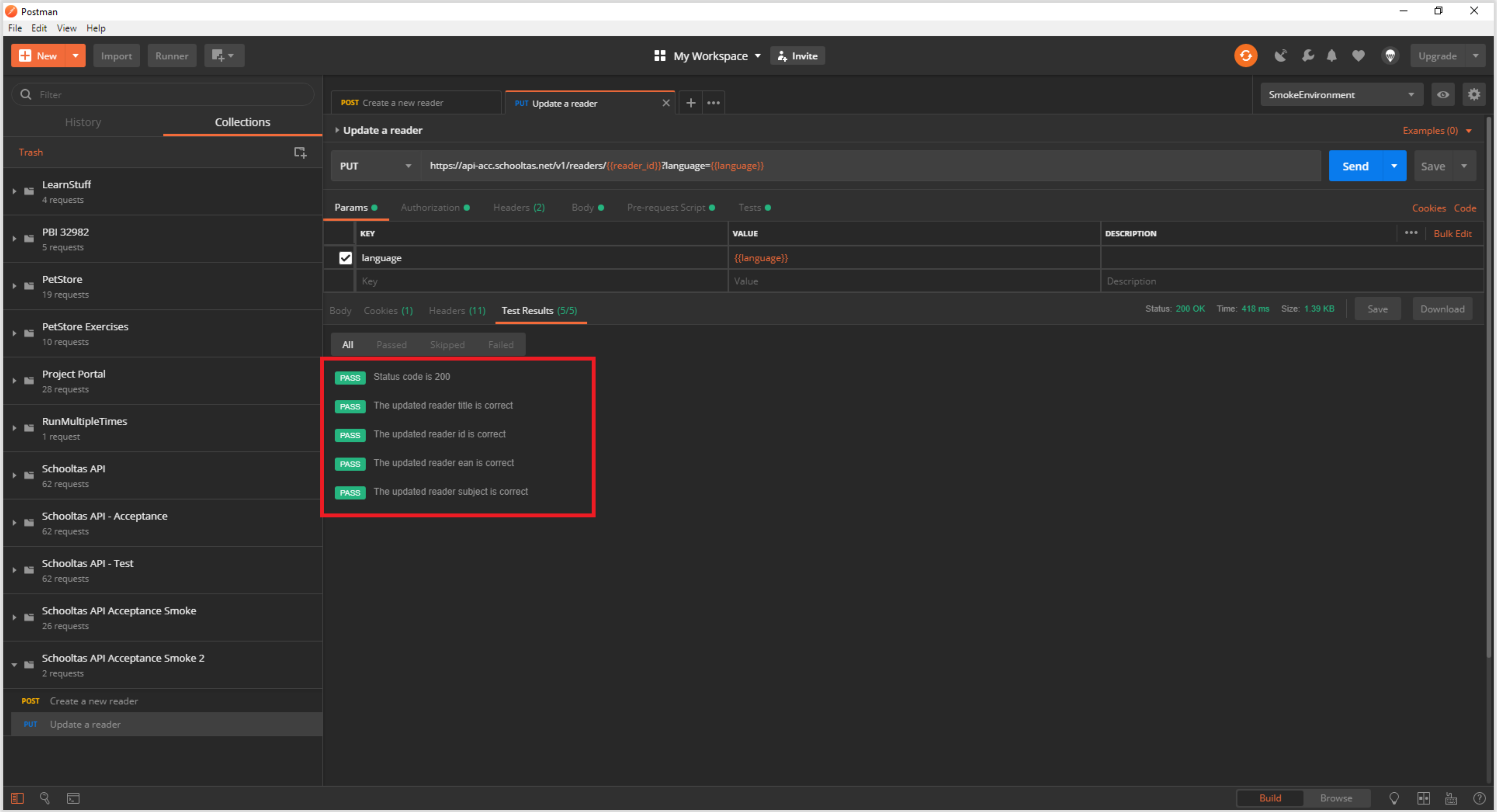
PUT https://api-acc.schooltas.net/v1/readers/{{reader_id}}?language={{language}}

KEY	VALUE	DESCRIPTION
☑ language	{{language}}	
Key	Value	Description

Status: 200 OK Time: 418 ms Size: 1.39 KB

```
{
    "id": "9cc6b1be-4efc-4439-99a7-845fe5e606e2",
    "ean": "Reader54c3b13",
    "title": "Test Postman Updated Reader",
    "subject": {
        "id": "c94b016e-3f95-4723-838c-922a1c59bbdd",
        "translatedName": "Music"
    },
    "organization": {
        "id": "3d67daf7-728e-4347-93b8-e8f39d615700",
        "type": "School"
    },
    "coverUrl": "https://acceptance-applicationstack-1xj2-pdfcontentbucket-wai00nng9de5.s3.eu-central-1.amazonaws.com/book-content/covers/book_new_56e860fd-d9ba-4d51-949c-ea46c5b1be99.jpg",
    "pdfUrl": "https://acceptance-applicationstack-1xj2-pdfcontentbucket-wai00nng9de5.s3.eu-central-1.amazonaws.com/organization-data/school/3d67daf7-728e-4347-93b8-e8f39d615700/document
        /PostmanAutomationSteps_4e523de2-7468-4716-9c4d-f6312562bfce.pdf",
    "type": {
        "name": "TeacherMaterial",
        "translatedName": "Music"
    },
    "active": true,
    "settings": {
        "indexPageNumber": 0,
        "pageNumberOffset": 1
    },
    "tableOfContents": null,
    "pdfDownloadable": false
}
```

Watch the results



Update a reader

PUT https://api-acc.schooltas.net/v1/readers/{{reader_id}}?language={{language}}

KEY	VALUE	DESCRIPTION
☑ language	{{language}}	
Key	Value	Description

Status: 200 OK Time: 418 ms Size: 1.39 KB

PASS Status code is 200

PASS The updated reader title is correct

PASS The updated reader id is correct

PASS The updated reader ean is correct

PASS The updated reader subject is correct