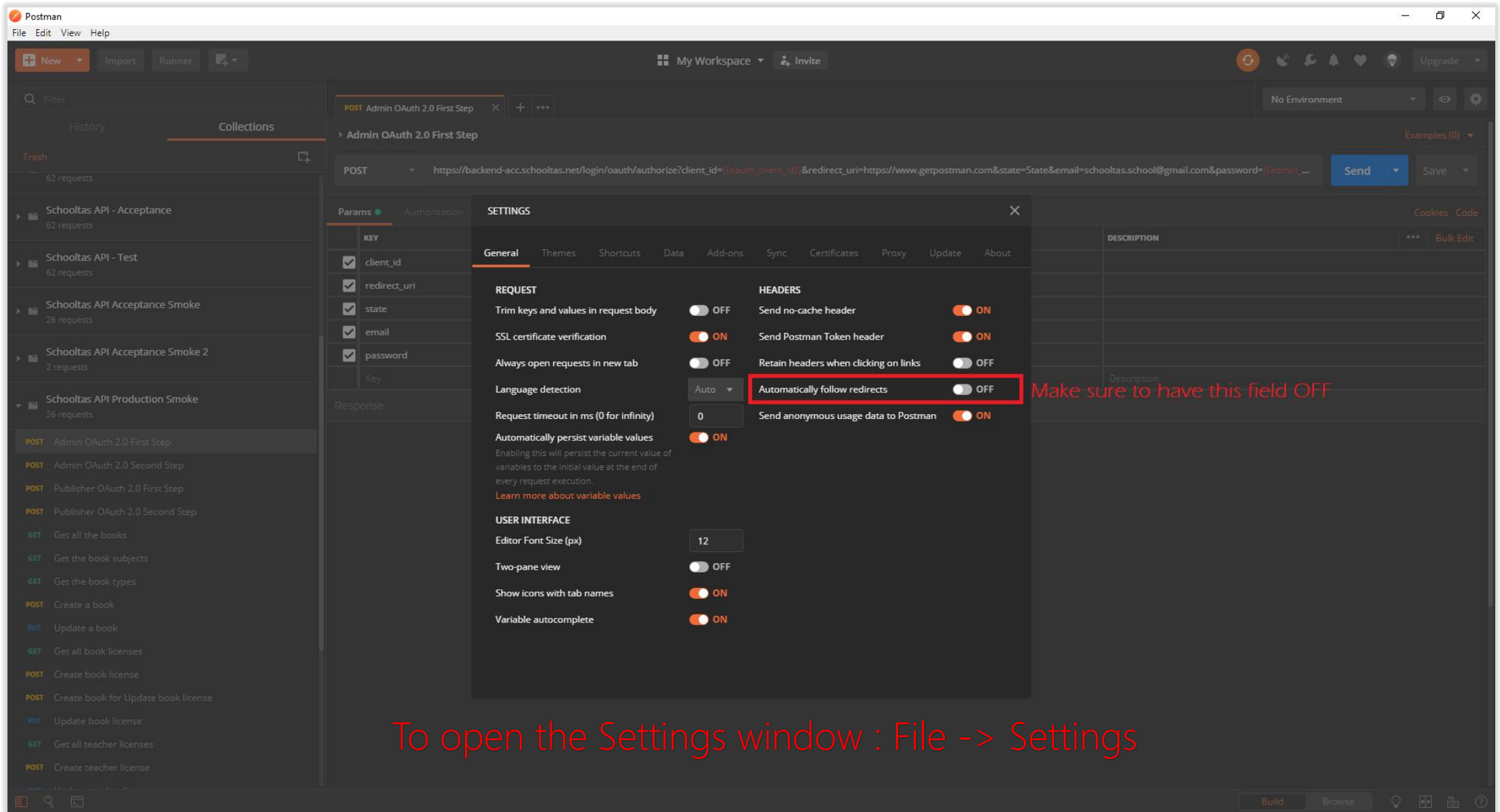
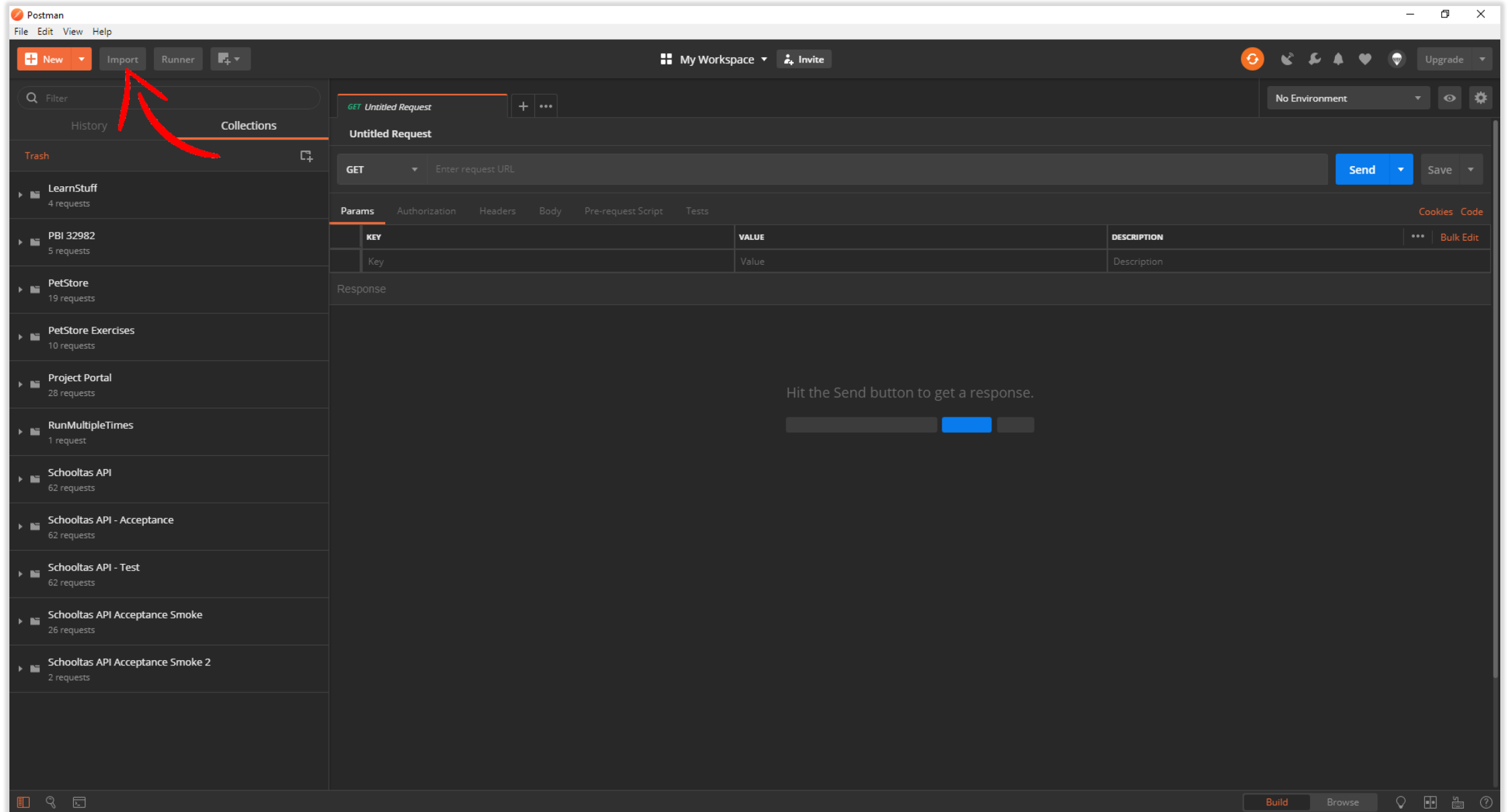


Postman Semi-Automated Testing for Rest API

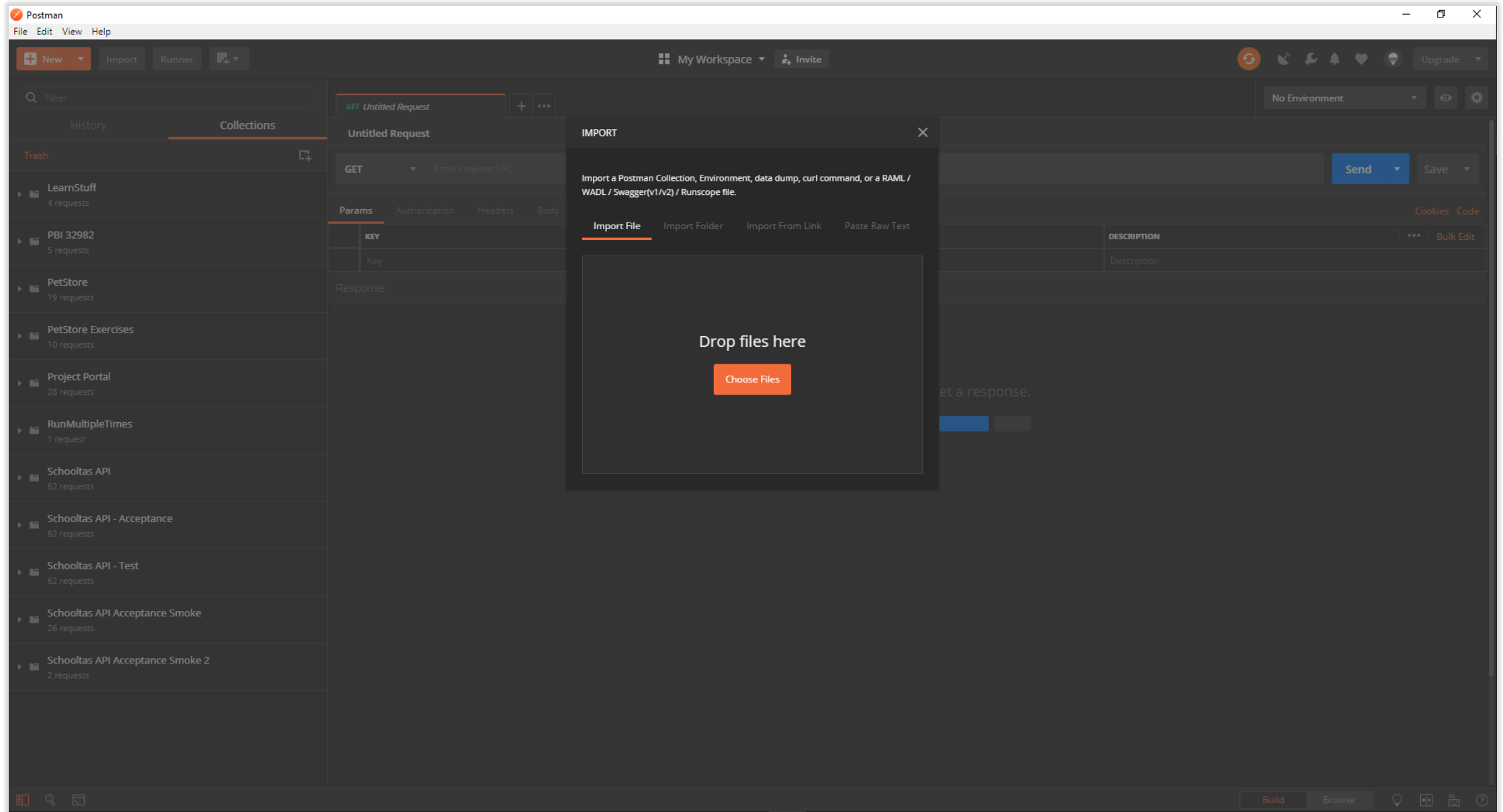
Make sure to have Automatically follow redirects set as OFF



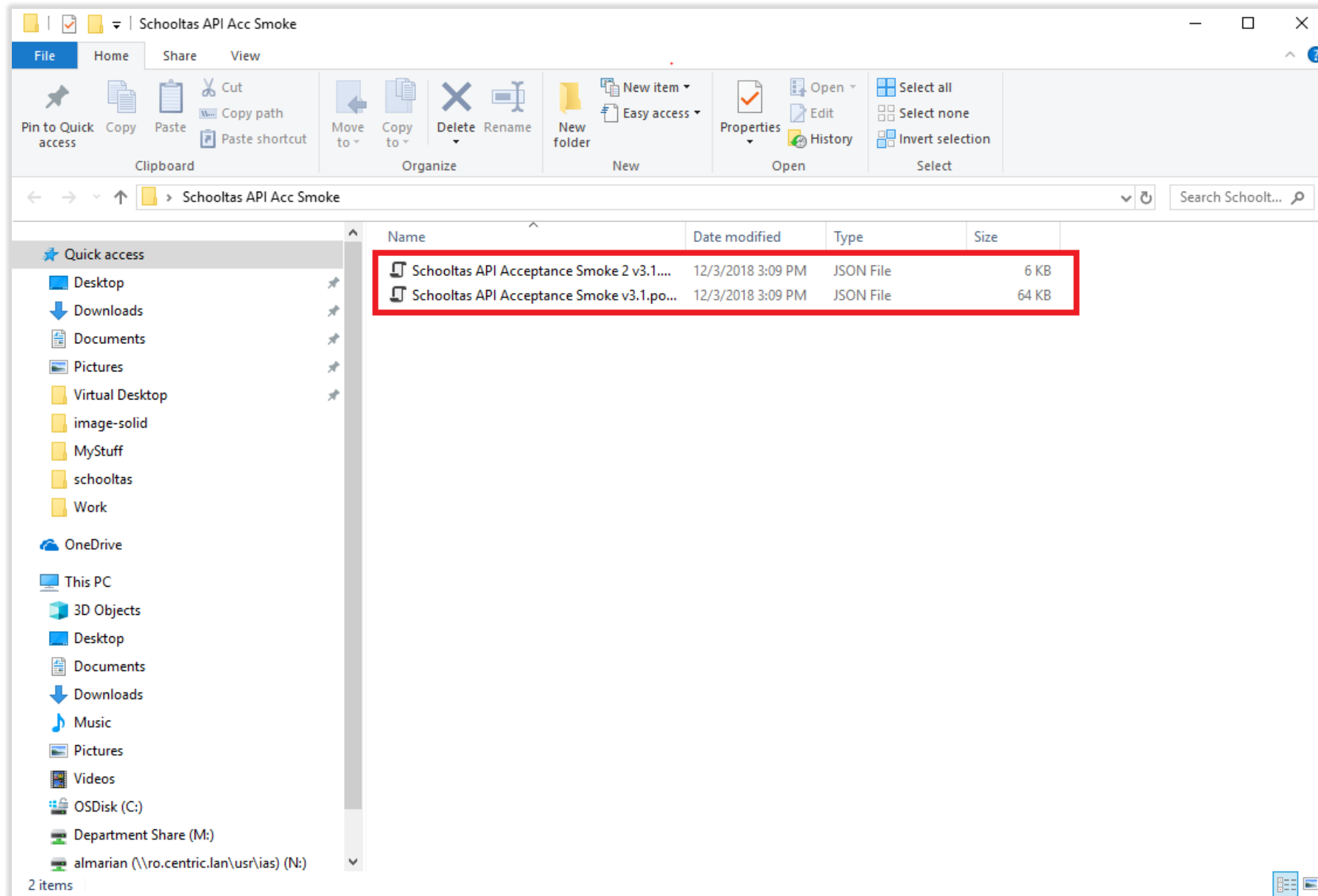
Import the Postman Collection



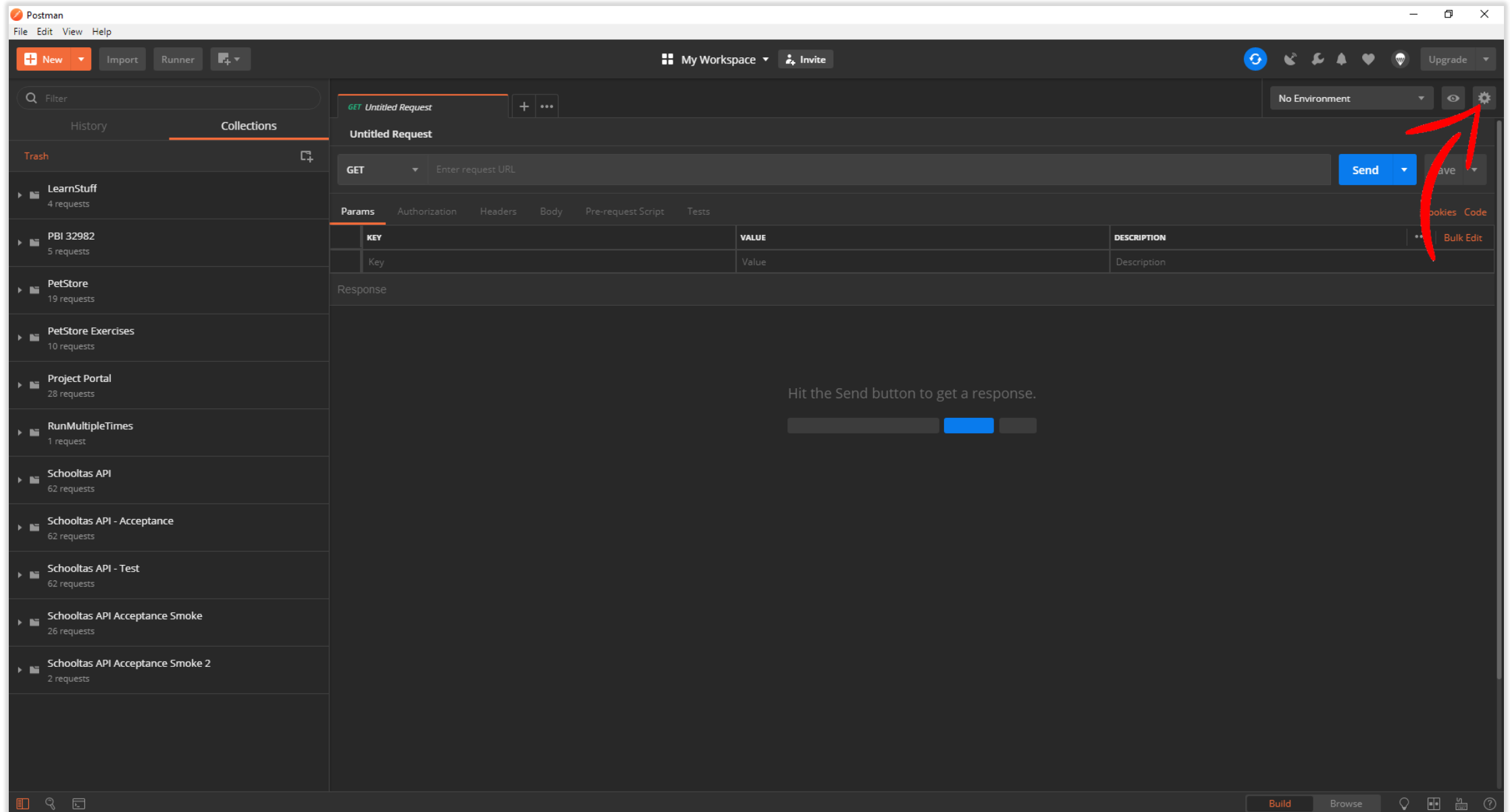
Drag and Drop or Choose from files the collection



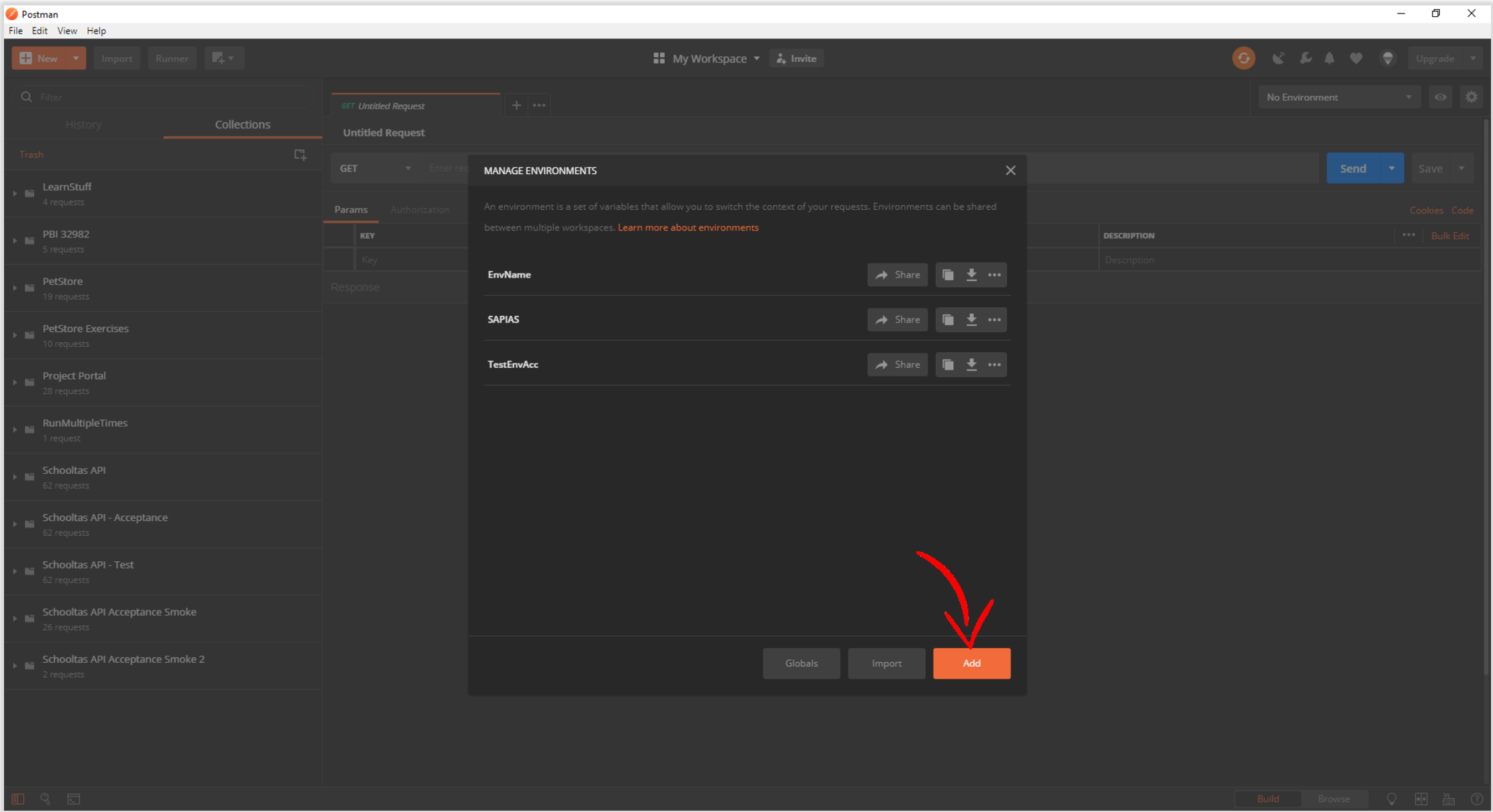
From the archive import both collections



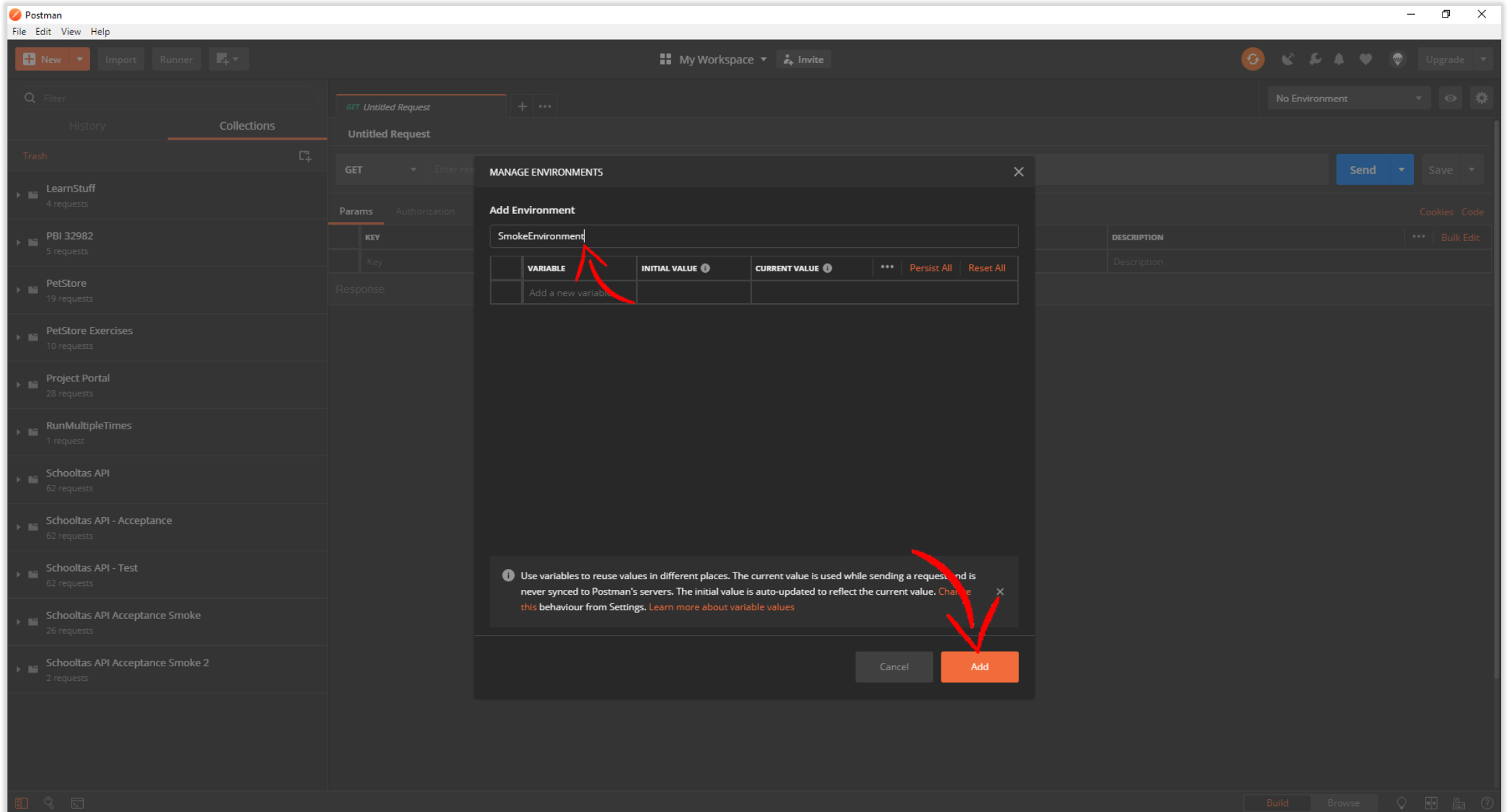
Open the Manage Environments window



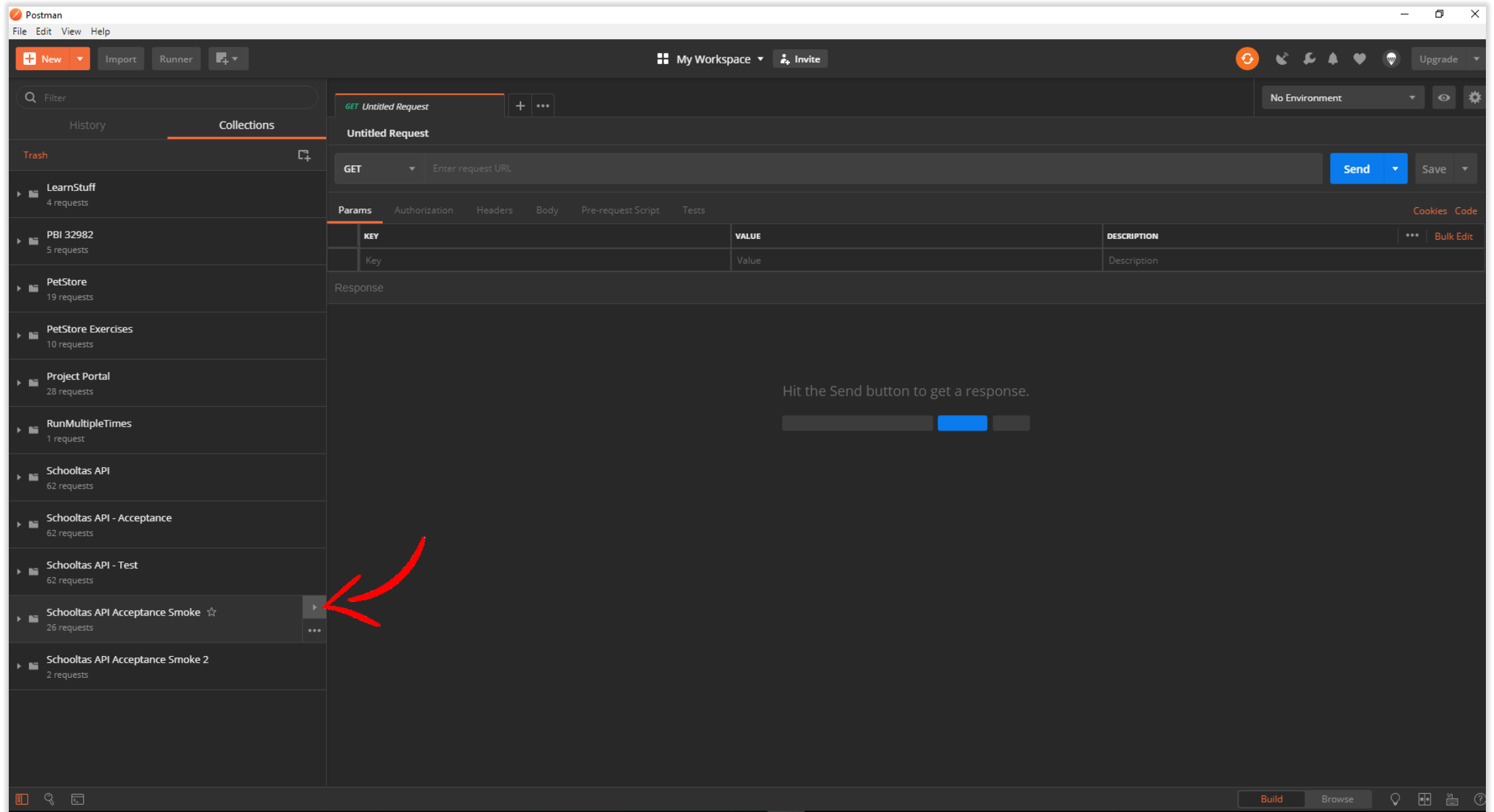
Create new environment when you run it for the first time



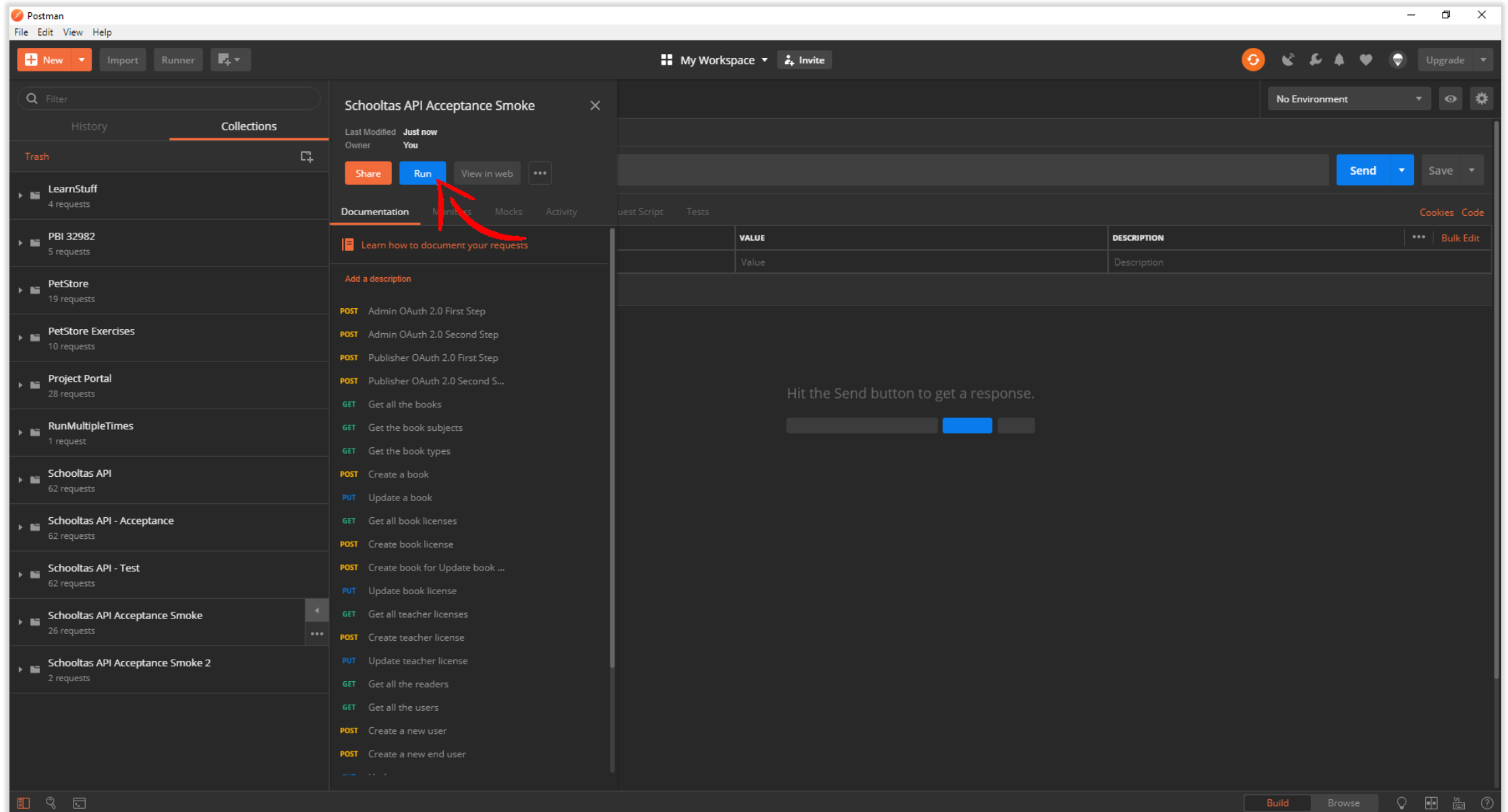
Type the Environment name and press the Add button



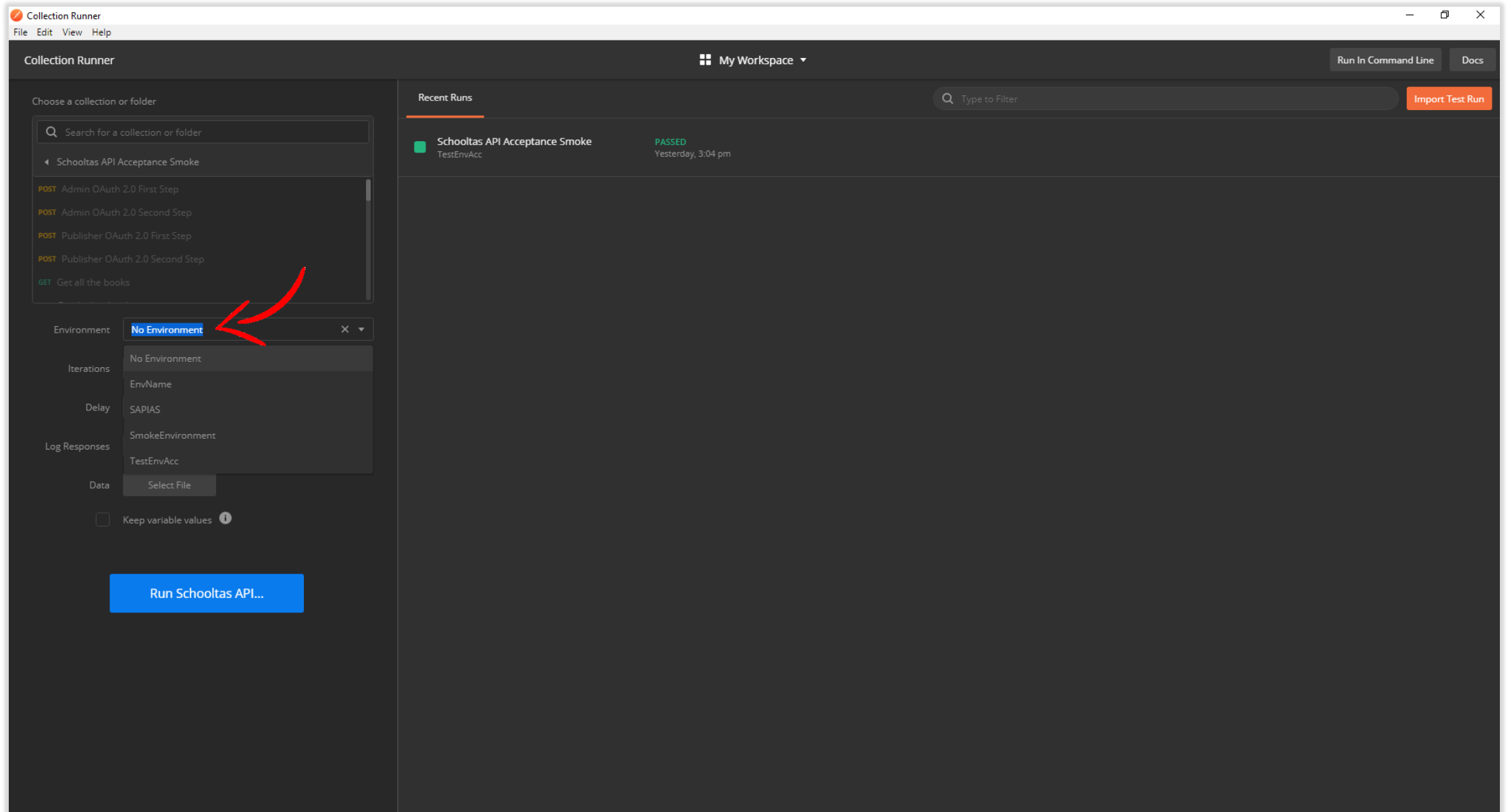
Hover over the collection and Press the right arrow to extend the collection view



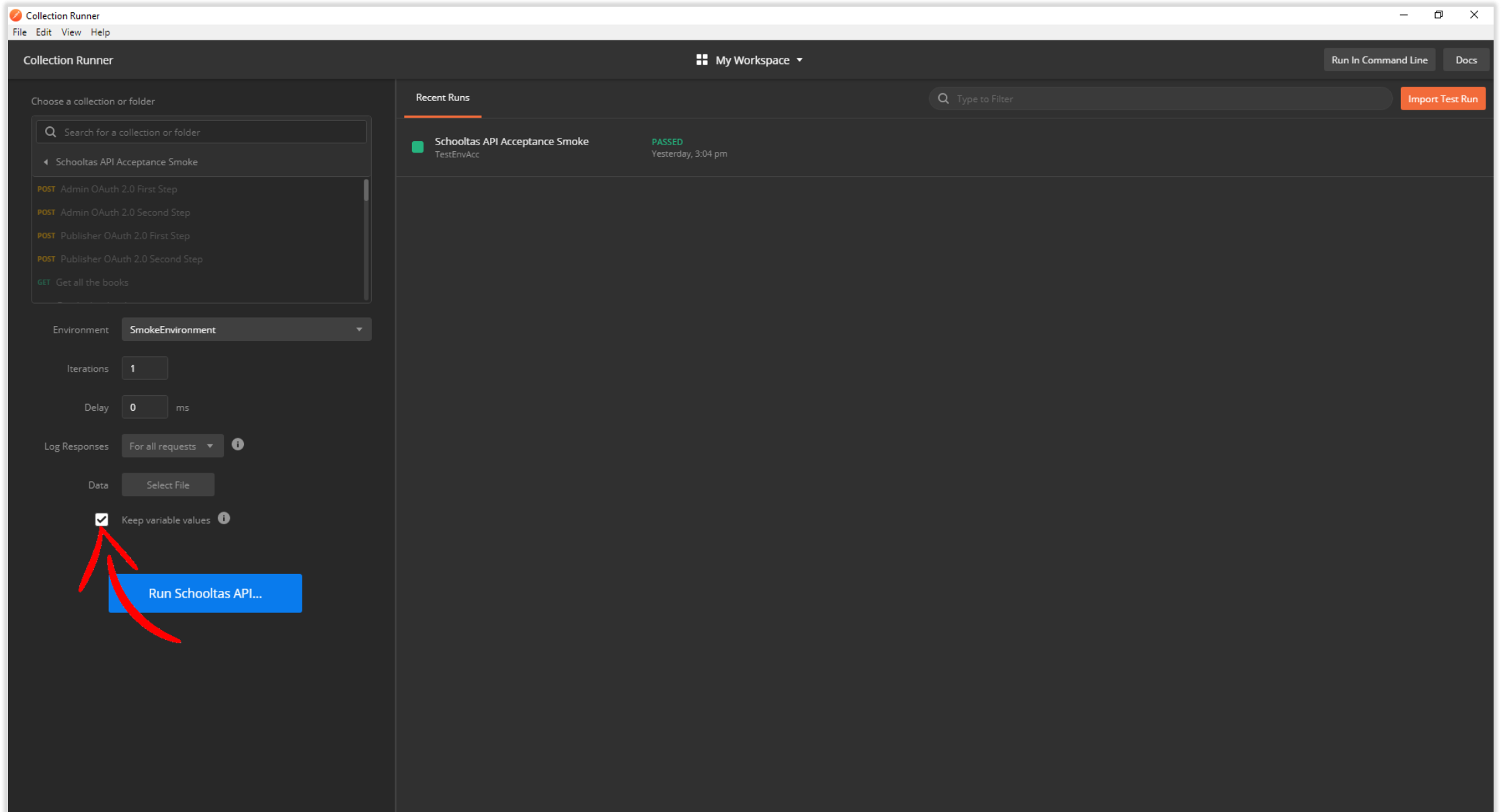
Press the Run button to open the Collection Runner



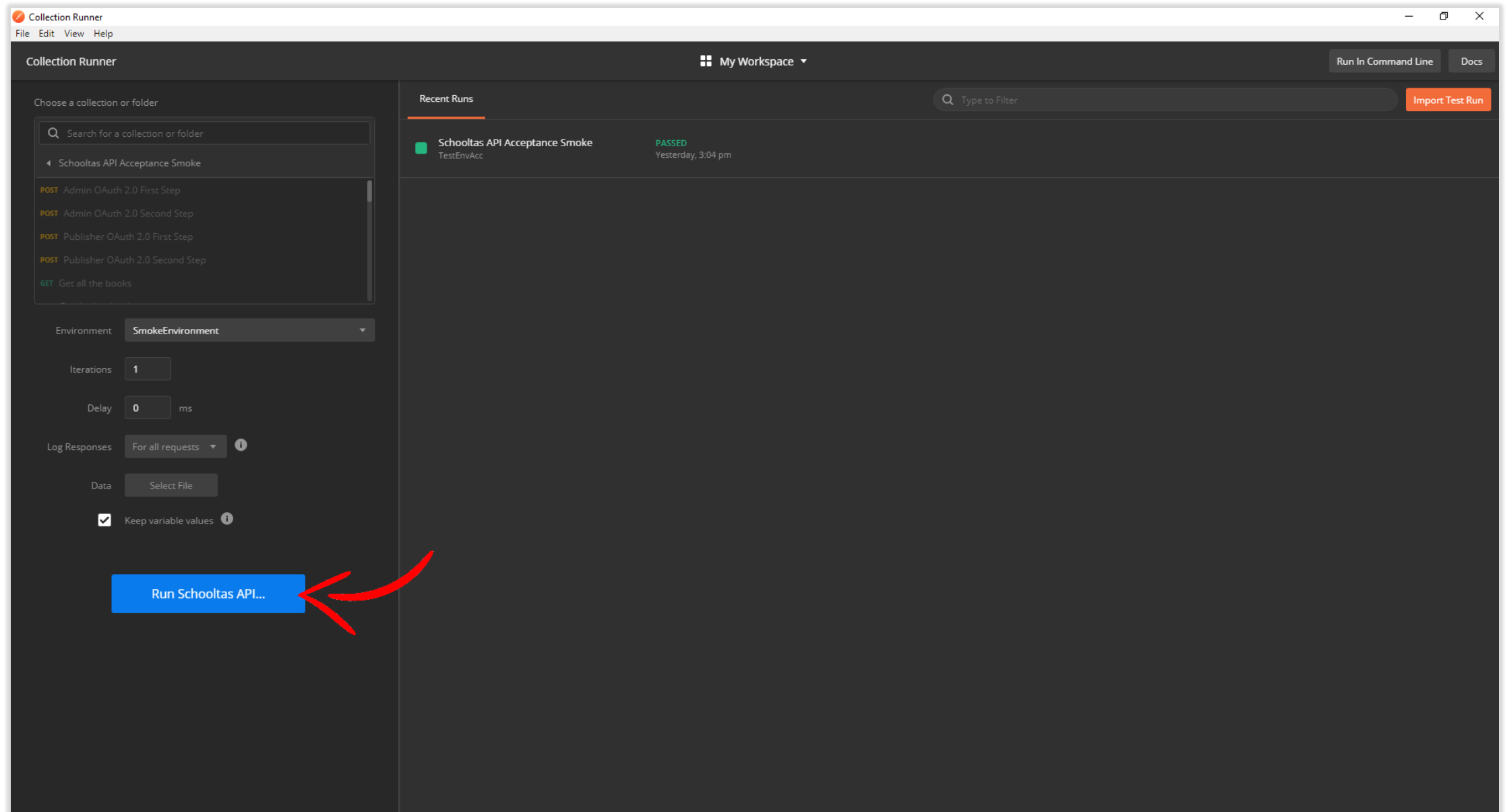
Pick the Environment you just made



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



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



All the passed or failed tests can be seen here

The screenshot displays the 'Collection Runner' application interface. At the top, a header bar includes a menu (File, Edit, View, Help), a 'My Workspace' dropdown, and buttons for 'Run In Command Line' and 'Docs'. Below the header, a summary section for the 'Schooltas API Acceptance Smoke' collection is highlighted with a red box. It shows 77 passed tests and 0 failed tests, with the status 'SmokeEnvironment just now'. To the right of this summary are buttons for 'Run Summary', 'Export Results', 'Retry', and 'New'. The main area of the application lists the results of 'Iteration 1', which consists of 15 test steps. Each step is represented by a row with a status icon (green for pass, red for fail), a description, a URL, and performance metrics (e.g., 302 Found, 351 ms, 0 B). The steps include 'Admin OAuth 2.0 First Step', 'Admin OAuth 2.0 Second Step', 'Publisher OAuth 2.0 First Step', 'Publisher OAuth 2.0 Second Step', 'Get all the books', 'Get the book subjects', 'Get the book types', 'Create a book', and 'Update a book'. All steps in this iteration are marked as 'PASS'.

Collection Runner

File Edit View Help

Collection Runner Run Results

My Workspace

Run In Command Line Docs

77 PASSED 0 FAILED Schooltas API Acceptance Smoke SmokeEnvironment just now

Run Summary Export Results Retry New

Iteration 1

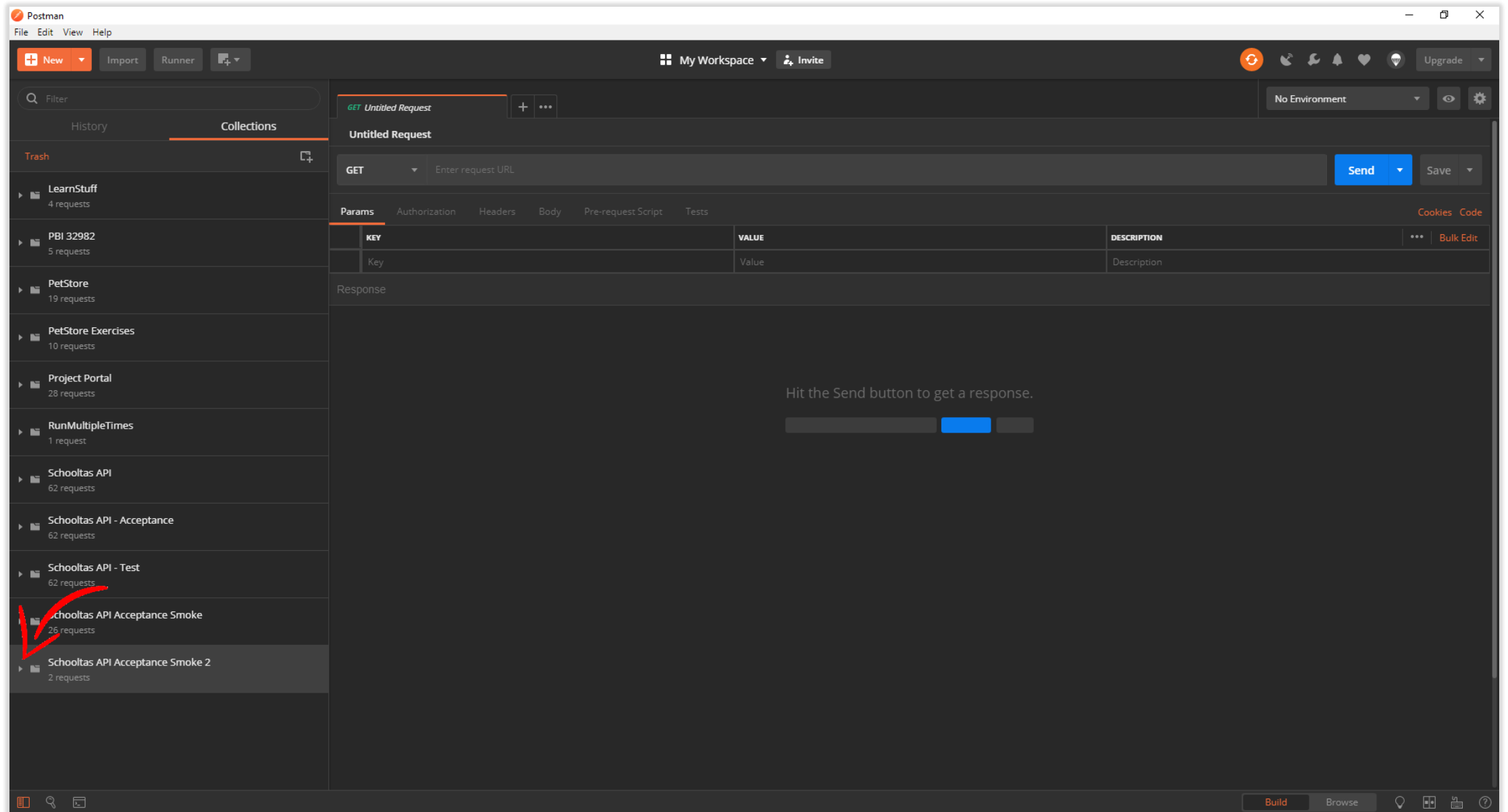
POST	Admin OAuth 2.0 First Step	https://backend-acc.scho...	...oke / Admin OAuth 2.0 First Step	302 Found	351 ms	0
PASS	Status code is 302					
POST	Admin OAuth 2.0 Second Step	https://backend-acc.scho...	...e / Admin OAuth 2.0 Second Step	200 OK	95 ms	138 B
PASS	Status code is 200					
POST	Publisher 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....	...ceptance 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....	...ceptance 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



Open the Create a new reader request

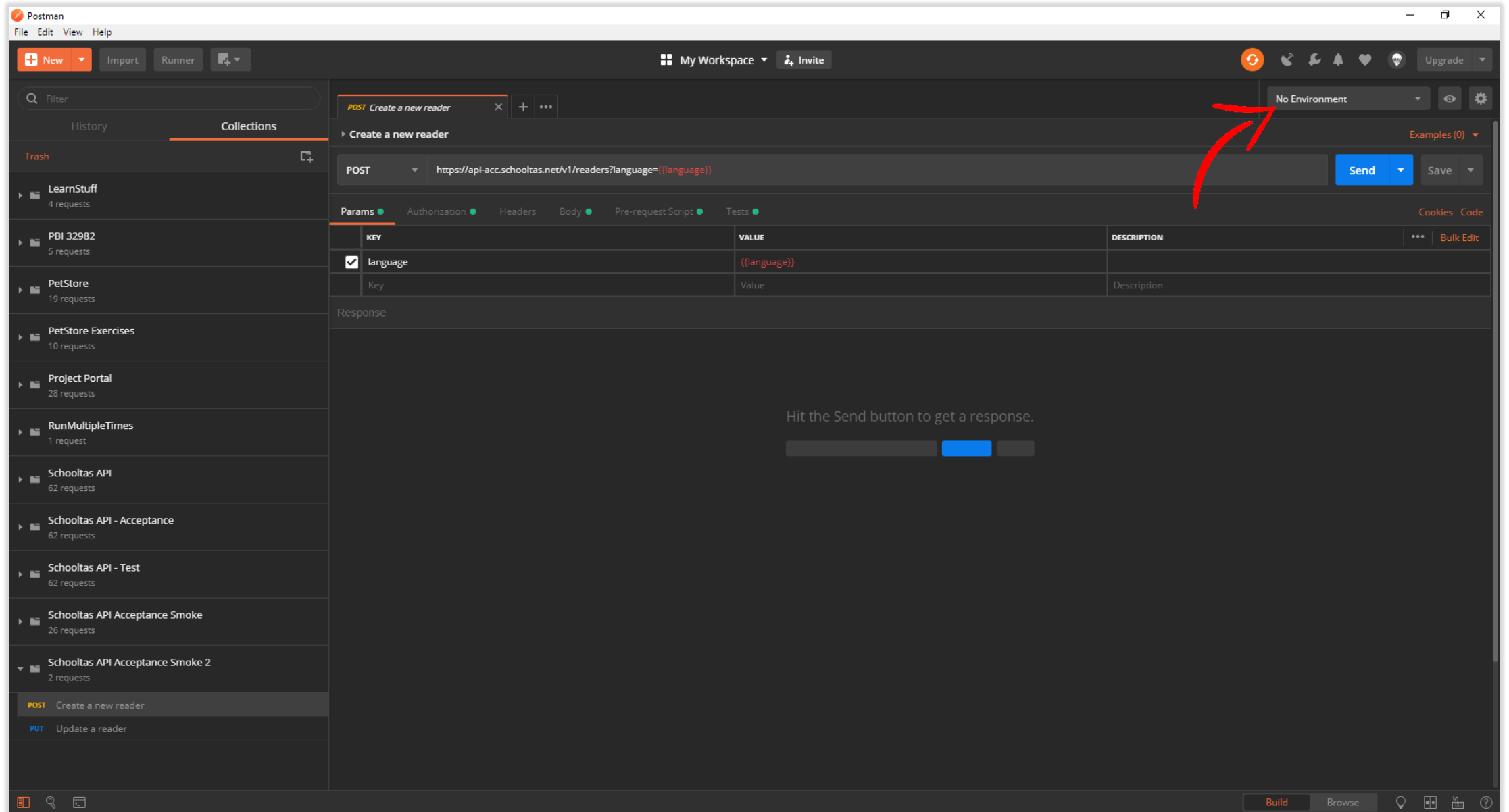
The screenshot displays the Postman application interface. On the left sidebar, under the 'Collections' tab, the 'Schooltas API' collection is expanded, showing a list of requests. A red arrow points to the 'POST Create a new reader' request. The main panel shows the details of this request:

- Method:** POST
- URL:** `https://api-acc.schooltas.net/v1/readers?language={{language}}`
- Params:** A table with one parameter:

KEY	VALUE	DESCRIPTION
language	{{language}}	
- Response:** A large empty area with the text 'Hit the Send button to get a response.' and a blue 'Send' button.

The bottom status bar includes 'Build', 'Browse', and other utility icons.

Set your created environment



The image shows the Postman application interface. On the left is a sidebar with a 'Collections' tab and a list of API collections including 'LearnStuff', 'PBI 32982', 'PetStore', 'PetStore Exercises', 'Project Portal', 'RunMultipleTimes', 'Schooltas API', 'Schooltas API - Acceptance', 'Schooltas API - Test', 'Schooltas API Acceptance Smoke', and 'Schooltas API Acceptance Smoke 2'. The main workspace displays a REST client request for a POST method to the URL 'https://api-acc.schooltas.net/v1/readers?language={{language}}'. The 'Params' tab is active, showing a parameter table with a key 'language' and value '{{language}}'. The 'Send' button is highlighted in blue. In the top right corner, a dropdown menu shows 'No Environment', with a red arrow pointing to it. The bottom status bar includes 'Build', 'Browse', and other utility icons.

Postman

File Edit View Help

New Import Runner +

My Workspace Invite

Filter

History Collections

Trash

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

POST Create a new reader

Create a new reader

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

Send Save

Params Authorization Headers Body Pre-request Script Tests

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> language	{{language}}	
Key	Value	Description

Response

Hit the Send button to get a response.

Build Browse

Go to the Body tab of the request

The screenshot shows the Postman application interface. On the left is a sidebar with a 'Collections' tab selected, displaying a list of request collections. The main panel shows a POST request named 'Create a new reader' with the URL 'https://api-acc.schooltas.net/v1/readers?language={{language}}'. The 'Body' tab is selected and highlighted with a red arrow. Below the tab, the 'form-data' radio button is chosen. A table lists the form data entries: 'title' with value '{{reader_title}}', 'subject' with value '{{book_subject}}', 'pdfFile' with a 'Choose Files' button, and 'language' with value '{{language}}'. The bottom of the panel shows a 'Response' section with a message 'Hit the Send button to get a response.' and a blue 'Send' button.

Postman

File Edit View Help

New Import Runner

My Workspace Invite

SmokeEnvironment

Filter

History Collections

Trash

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

POST Create a new reader

PUT Update a reader

Create a new reader

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

Send Save

Params Authorization Headers **Body** Pre-request Script Tests

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

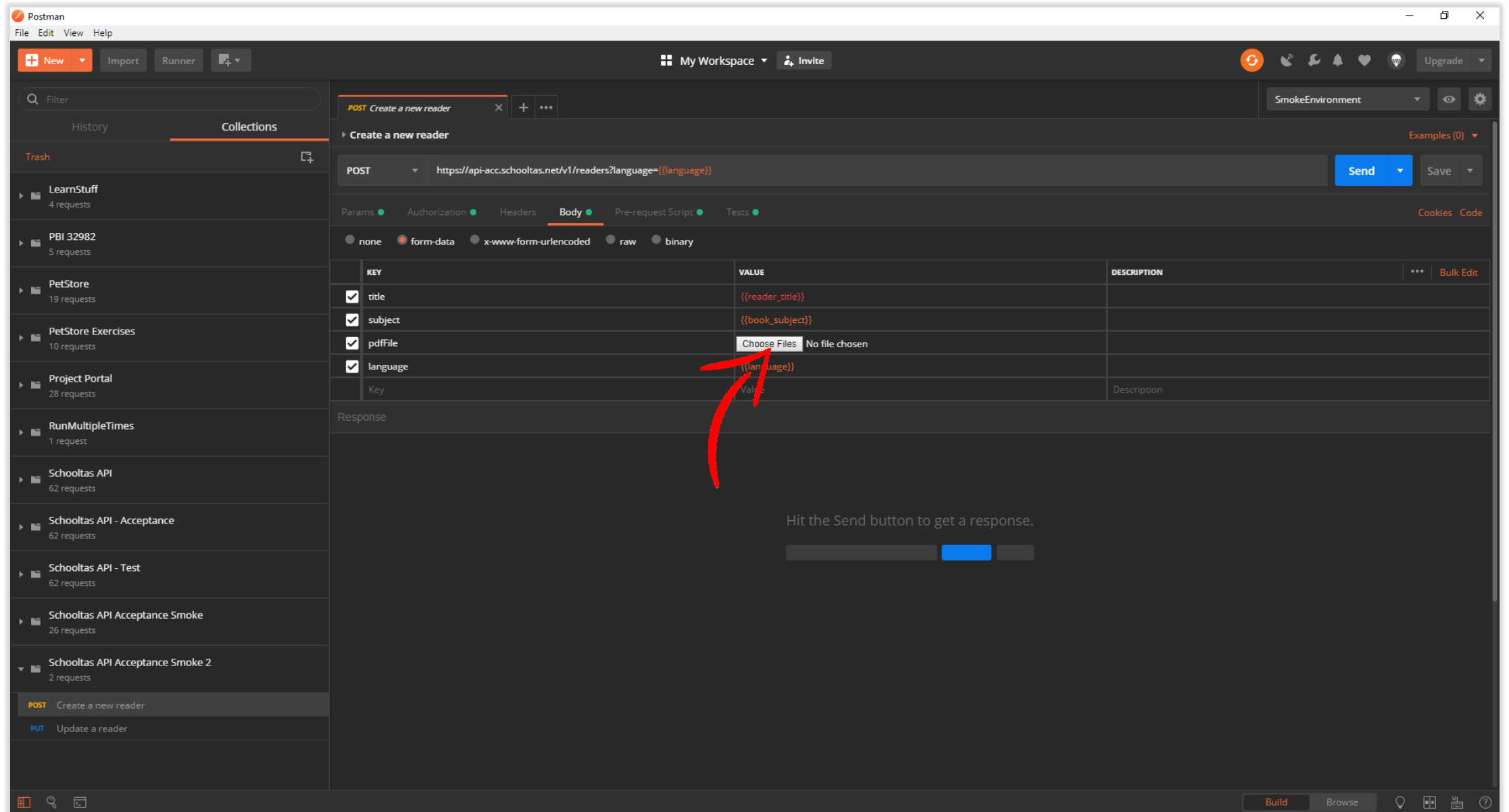
KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> title	{{reader_title}}	
<input checked="" type="checkbox"/> subject	{{book_subject}}	
<input checked="" type="checkbox"/> pdfFile	Choose Files No file chosen	
<input checked="" type="checkbox"/> language	{{language}}	
Key	Value	Description

Response

Hit the Send button to get a response.

Build Browse

Choose a PDF for the reader



Send the request

The image shows the Postman application interface. On the left is a sidebar with a 'Collections' tab. It lists several collections: '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), and 'Schooltas API Acceptance Smoke 2' (2 requests). The 'POST Create a new reader' request is selected at the bottom of the sidebar.

The main panel displays the configuration for the 'POST Create a new reader' request. The URL is `https://api-acc.schooltas.net/v1/readers?language={{language}}`. The 'Body' tab is active, showing a 'form-data' type. The body is a table with the following data:

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> title	<code>{{reader_title}}</code>	
<input checked="" type="checkbox"/> subject	<code>{{book_subject}}</code>	
<input checked="" type="checkbox"/> pdfFile	Choose Files PostmanAutomationSteps.pdf	
<input checked="" type="checkbox"/> language	<code>{{language}}</code>	
Key	Value	Description

At the top right of the request configuration area, there is a blue 'Send' button. A red arrow points to this button. To the right of the 'Send' button is a 'Save' button. Below the 'Send' button, there is a message: 'Hit the Send button to get a response.' and a progress bar with a blue segment.

Go to the Test Results tab

The screenshot displays the Postman application interface. On the left sidebar, the 'Collections' tab is active, showing a list of collections including 'LearnStuff', 'PBI 32982', 'PetStore', 'PetStore Exercises', 'Project Portal', 'RunMultipleTimes', 'Schooltas API', 'Schooltas API - Acceptance', 'Schooltas API - Test', 'Schooltas API Acceptance Smoke', and 'Schooltas API Acceptance Smoke 2'. The 'POST Create a new reader' request is selected.

The main panel shows the details of the 'POST Create a new reader' request. The URL is `https://api-acc.schooltas.net/v1/readers?language={{language}}`. The 'Body' tab is selected, showing a form with the following fields:

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> title	<code>{{reader_title}}</code>	
<input checked="" type="checkbox"/> subject	<code>{{book_subject}}</code>	
<input checked="" type="checkbox"/> pdfFile	Choose Files PostmanAutomationSteps.pdf	
<input checked="" type="checkbox"/> language	<code>{{language}}</code>	
Key	Value	Description

A red arrow points from the 'subject' field to the 'Test Results' tab. The 'Test Results' tab is selected, showing the response body in JSON format:

```
1 {
2   "id": "9cc6b1be-4efc-4439-99a7-845fe5e606e2",
3   "ean": "Reader54c3b13",
4   "title": "Test Postman Reader",
5   "subject": {
6     "id": "b7fbc328-342f-4812-b187-053120861b20",
7     "translatedName": "Dutch"
8   },
9   "organization": {
10    "id": "3d67daf7-728e-4347-93b8-e8f39d615700",
11    "type": "School"
12  },
13  "coverUrl": "https://acceptance-applicationstack-1xj2-pdfcontentbucket-wai00nng9de5.s3.eu-central-1.amazonaws.com/book-content/covers/book_new_56e860fd-d9ba-4d51-949c-ea46c5b1be99.jpg",
14  "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",
15  "type": {
16    "name": "TeacherMaterial",
17    "translatedName": "Dutch"
18  },
19  "active": false,
20  "settings": {
21    "indexPageNumber": 0,
22    "pageNumberOffset": 1
23  },
24  "tableOfContents": null,
25  "pdfDownloadable": false
26 }
```

The status bar at the bottom shows 'Status: 200 OK', 'Time: 1405 ms', and 'Size: 1.39 KB'. The 'Test Results' tab is highlighted in green.

Watch the results

The image shows the Postman application interface. On the left, a sidebar lists various collections under the 'Collections' tab, including 'LearnStuff', 'PBI 32982', 'PetStore', 'PetStore Exercises', 'Project Portal', 'RunMultipleTimes', 'Schooltas API', 'Schooltas API - Acceptance', 'Schooltas API - Test', 'Schooltas API Acceptance Smoke', and 'Schooltas API Acceptance Smoke 2'. The main workspace displays a POST request named 'Create a new reader' to the URL 'https://api-acc.schooltas.net/v1/readers?language={{language}}'. The request body is in 'form-data' format with the following fields:

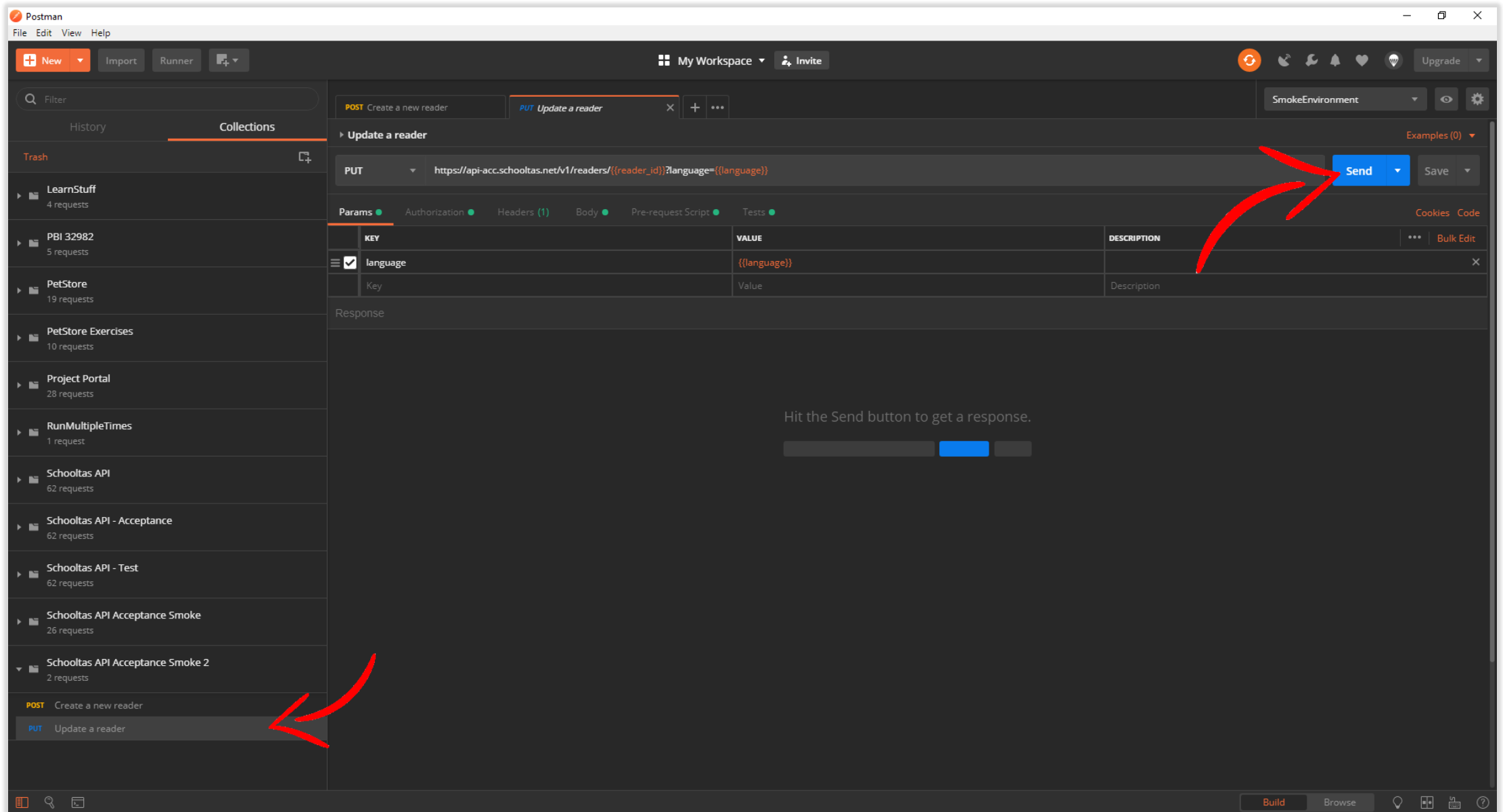
KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> title	{{reader_title}}	
<input checked="" type="checkbox"/> subject	{{book_subject}}	
<input checked="" type="checkbox"/> pdfFile	<input type="button" value="Choose Files"/> PostmanAutomationSteps.pdf	
<input checked="" type="checkbox"/> language	{{language}}	
Key	Value	Description

The 'Test Results' tab is active, showing three passed tests:

- PASS** Status code is 200
- PASS** Title is correct
- PASS** The reader subject is correct

The status bar at the bottom indicates 'Status: 200 OK', 'Time: 1405 ms', and 'Size: 1.39 KB'. The bottom right corner has buttons for 'Build', 'Browse', and a help icon.

Select the next request and press the Send button



Go to the Test Results tab

The screenshot shows the Postman application interface. On the left, there is a sidebar with a 'Collections' tab selected, showing a list of collections including 'LearnStuff', 'PBI 32982', 'PetStore', 'PetStore Exercises', 'Project Portal', 'RunMultipleTimes', 'Schooltas API', 'Schooltas API - Acceptance', 'Schooltas API - Test', 'Schooltas API Acceptance Smoke', and 'Schooltas API Acceptance Smoke 2'. The main panel displays a PUT request to 'https://api-acc.schooltas.net/v1/readers/{{reader_id}}?language={{language}}'. The 'Test Results' tab is selected, showing a JSON response. A red arrow points from the 'Test Results' tab label to the JSON response area.

Update a reader

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

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

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> language	{{language}}	
Key	Value	Description

Body Cookies (1) Headers (11) Test Results (5/5) Status: 200 OK Time: 418 ms Size: 1.39 KB Save Download

Pretty Raw Preview JSON ≡

```
1 {
2   "id": "9cc6b1be-4efc-4439-99a7-845fe5e606e2",
3   "ean": "Reader54c3b13",
4   "title": "Test Postman Updated Reader",
5   "subject": {
6     "id": "c94b016e-3f95-4723-838c-922alc59bbdd",
7     "translatedName": "Music"
8   },
9   "organization": {
10    "id": "3d67daf7-728e-4347-93b8-e8f39d615700",
11    "type": "School"
12  },
13  "coverUrl": "https://acceptance-applicationstack-1xj2-pdfcontentbucket-wai00nng9de5.s3.eu-central-1.amazonaws.com/book-content/covers/book_new_56e860fd-d9ba-4d51-949c-ea46c5b1be99.jpg",
14  "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",
15  "type": {
16    "name": "TeacherMaterial",
17    "translatedName": "Music"
18  },
19  "active": true,
20  "settings": {
21    "indexPageNumber": 0,
22    "pageNumberOffset": 1
23  },
24  "tableOfContents": null,
25  "pdfDownloadable": false
26 }
```

Build Browse ?

Watch the results

The image shows the Postman application interface. On the left is a sidebar with a 'Collections' tab and a list of collections including 'LearnStuff', 'PBI 32982', 'PetStore', 'PetStore Exercises', 'Project Portal', 'RunMultipleTimes', 'Schooltas API', 'Schooltas API - Acceptance', 'Schooltas API - Test', 'Schooltas API Acceptance Smoke', and 'Schooltas API Acceptance Smoke 2'. The main workspace shows a 'PUT' request to 'https://api-acc.schooltas.net/v1/readers/{{reader_id}}?language={{language}}'. The 'Test Results' tab is active, showing five passed tests: 'Status code is 200', 'The updated reader title is correct', 'The updated reader id is correct', 'The updated reader ean is correct', and 'The updated reader subject is correct'. These tests are highlighted with a red rectangular box. The status bar at the bottom indicates 'Status: 200 OK', 'Time: 418 ms', and 'Size: 1.39 KB'.

Postman

File Edit View Help

New Import Runner

My Workspace Invite

SmokeEnvironment

Filter

History Collections

Trash

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

POST Create a new reader

PUT Update a reader

Update a reader

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

Send Save

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

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

Body Cookies (1) Headers (11) Test Results (5/5)

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

All Passed Skipped Failed

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

Build Browse