Project: CRUD on free API with tests in Postman

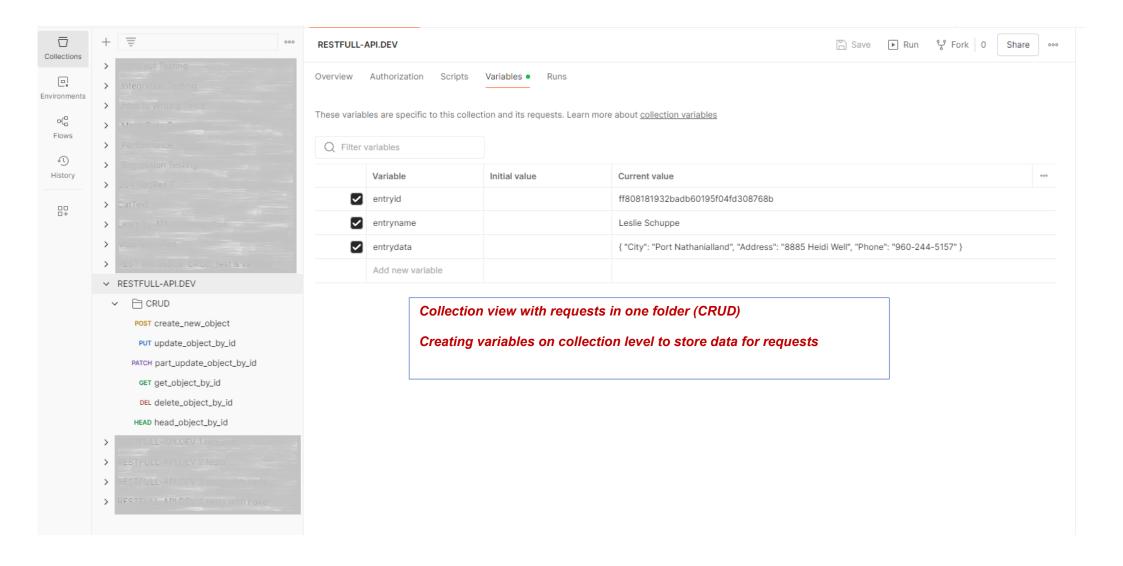
API: RESTFUL-API (https://restful-api.dev/)

allowed methods GET, POST, PUT, PATCH, DELETE, OPTIONS, HEAD,

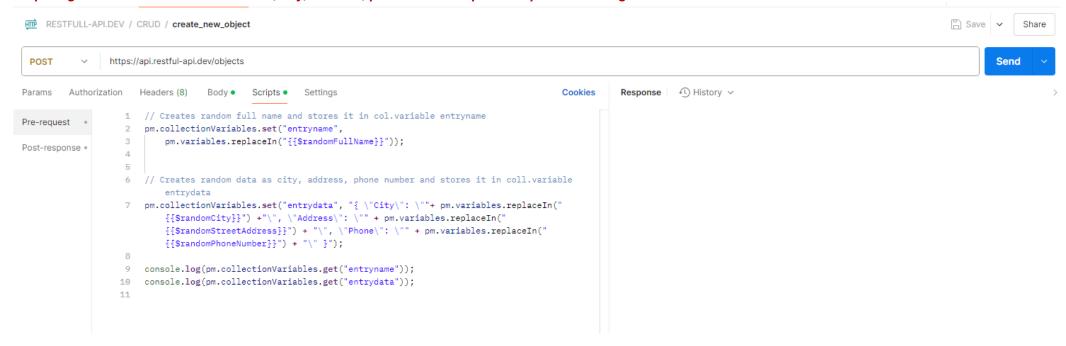
accepts 2 predefined objects ("name", "data") with free values

Base URL: https://api.restful-api.dev/

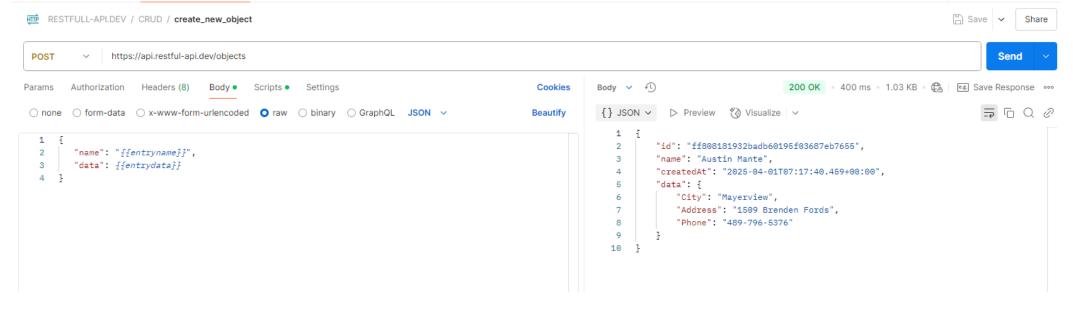
Endpoint: objects



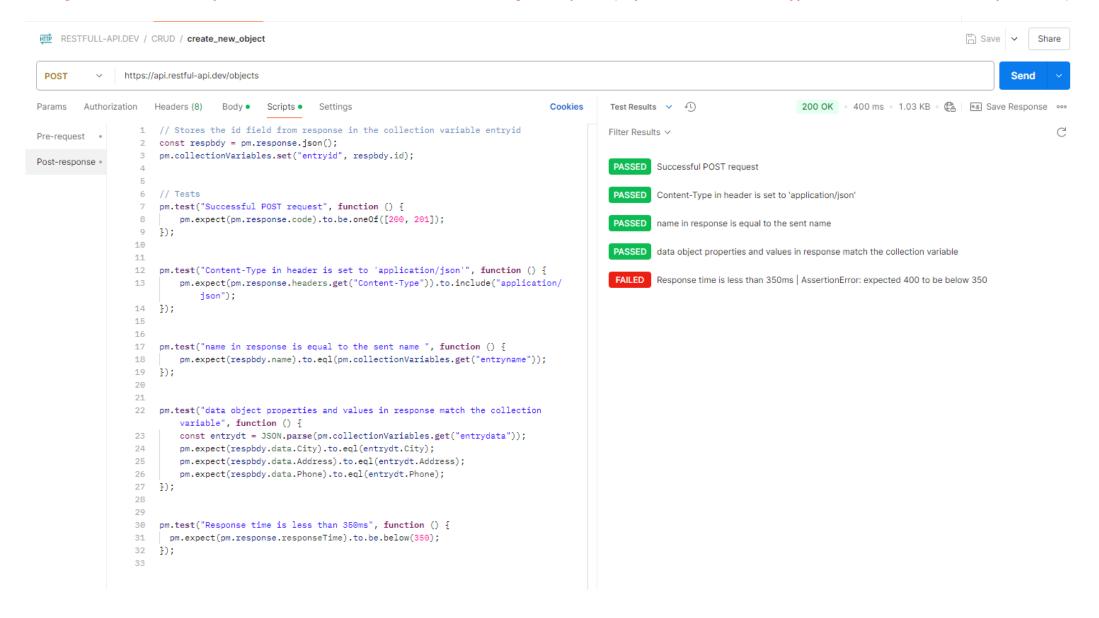
Preparing record data with random name, city, address, phone in Pre-request scripts and storing the data in collection variables



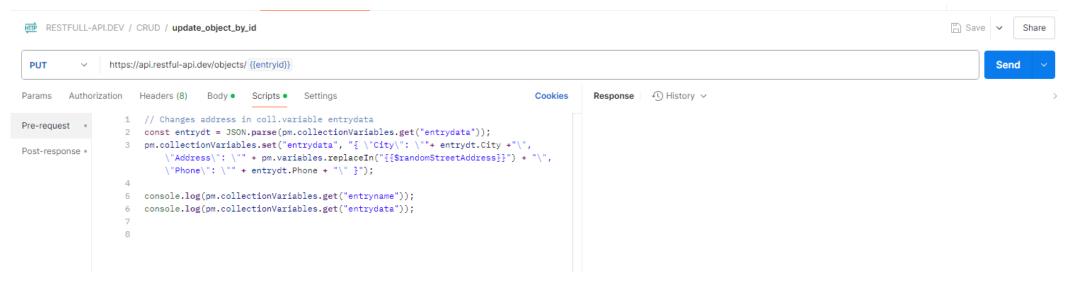
Creating a new record using POST request



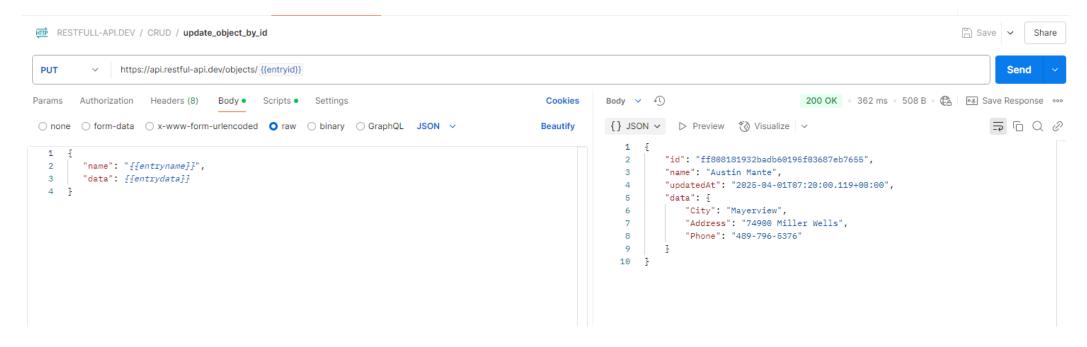
Storing the record id from response in coll. variable for further use and testing the response (http code, header content-type, "name" & "data" match, response time)



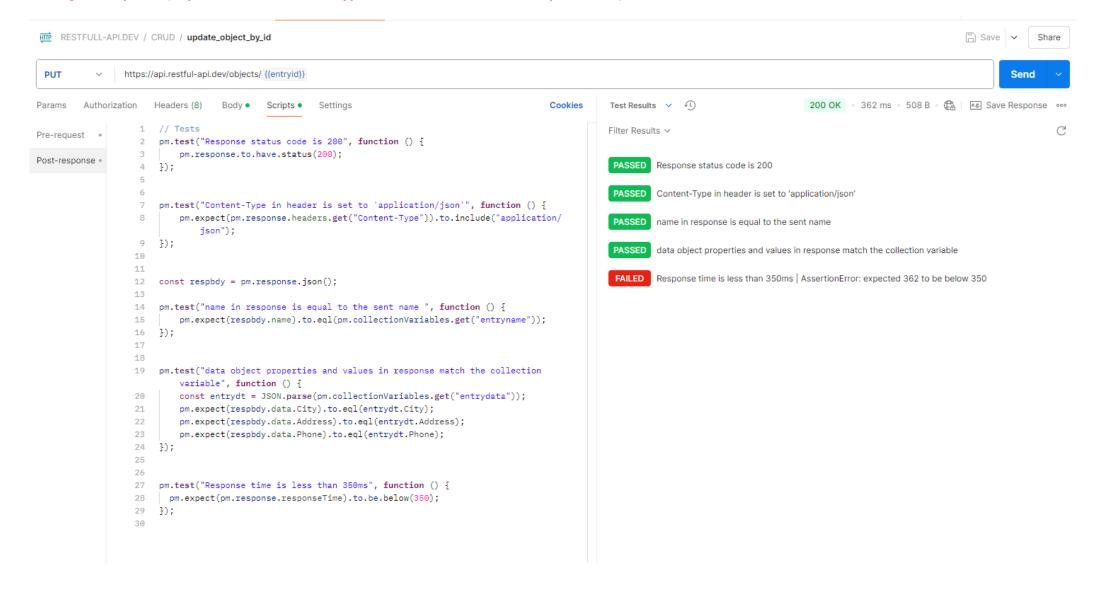
Preparing record data with changed address and storing the data in collection variable



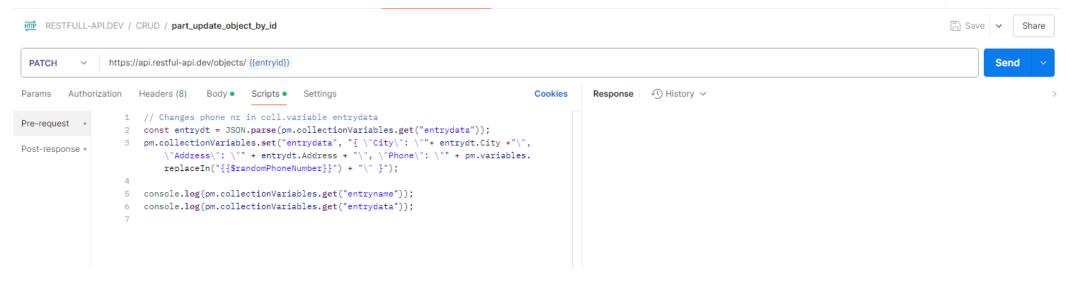
Updating the record using PUT request



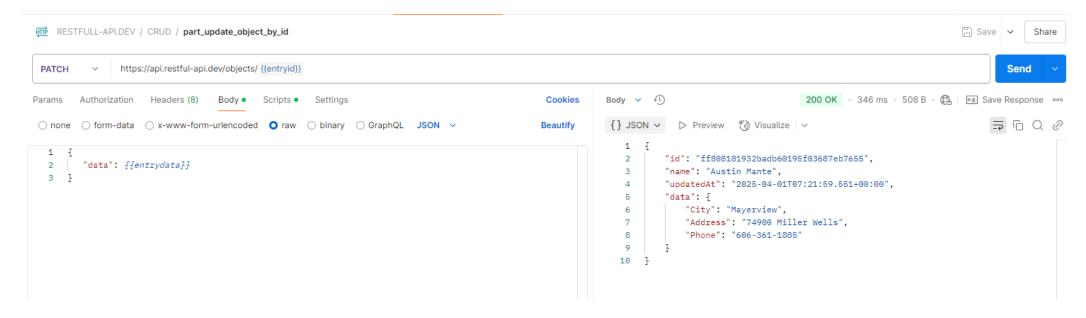
Testing the response (http code, header content-type, "name" & "data" match, response time)



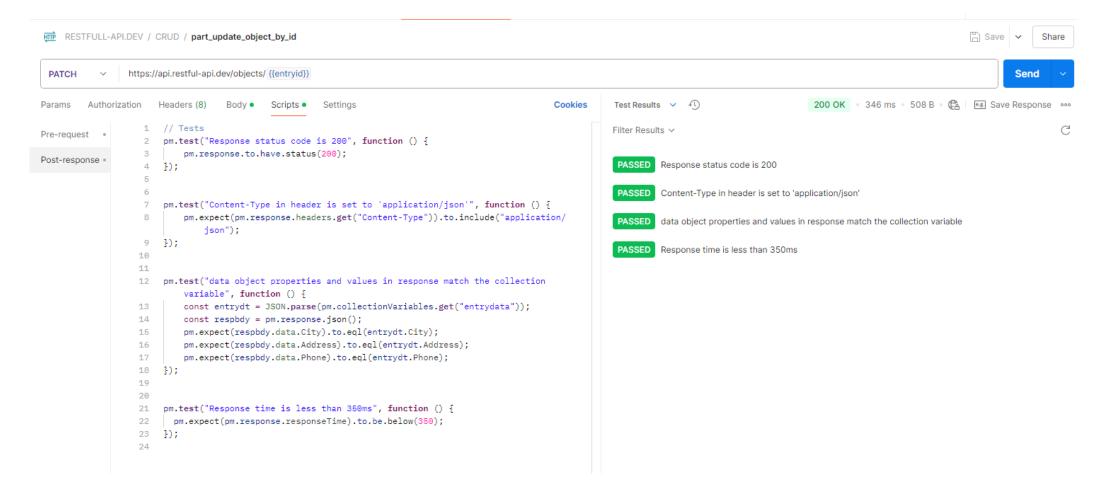
Preparing record data with changed phone and storing the data in collection variable



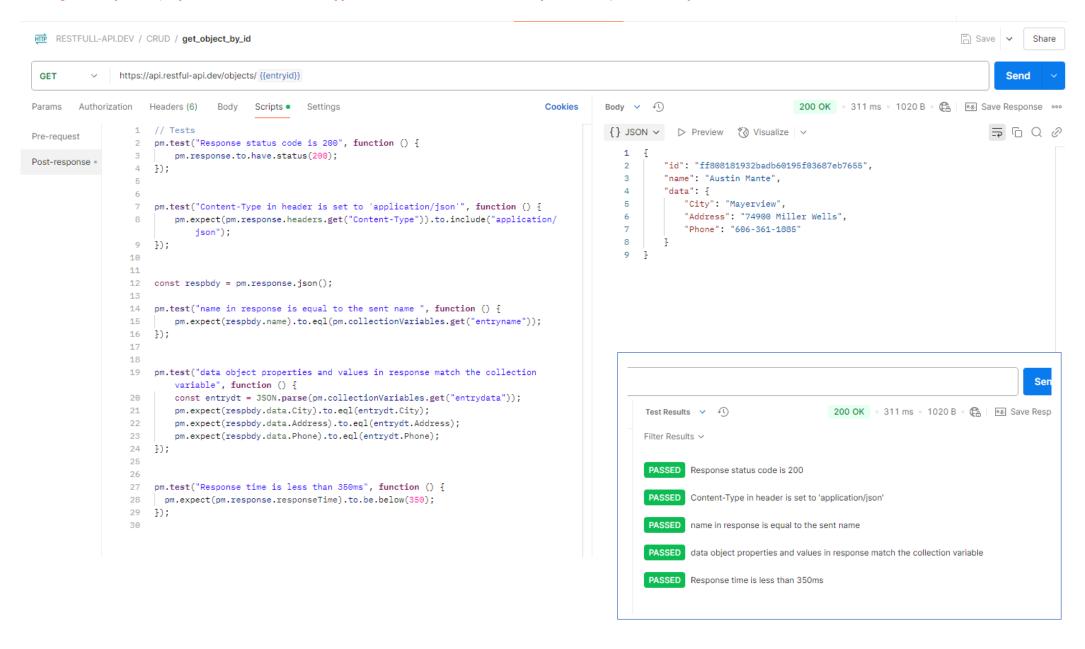
Partially updating the record (only the "data" object) using PATCH request



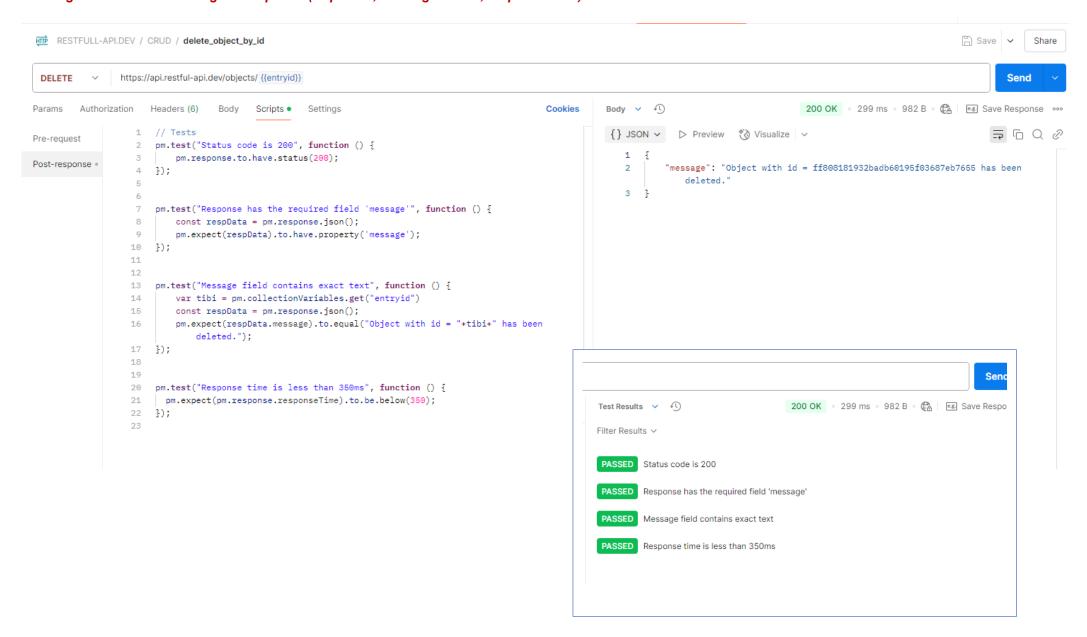
Testing the response (http code, header content-type, "data" match, response time)



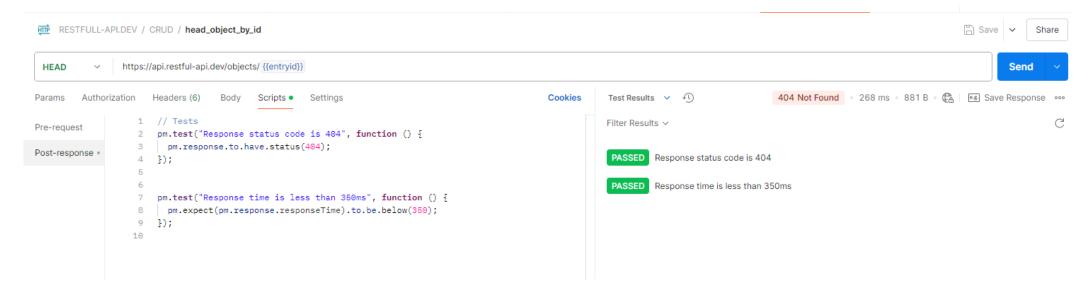
Testing the response (http code, header content-type, "name" & "data" match, response time) on GET request



Deleting the record and testing the response (http code, message match, response time)



Checking the record was deleted, using HEAD method



```
Postman Console
                                                                                                                                                                                                 File Edit View Help
Q Search messages
                                                                                                                             All Logs ∨
 "Austin Mante"
 "{ "City": "Mayerview", "Address": "1509 Brenden Fords", "Phone": "489-796-5376" }"
 ▼ POST https://api.restful-api.dev/objects
                                                                                                                                                                                               200 | 400 ms
  ▶ Network
                                                                                                                                                                                                Show raw log
  ▶ Request Headers
  ▼ Request Body ↗
         "name": "Austin Mante",
        "data": { "City": "Mayerview", "Address": "1509 Brenden Fords", "Phone": "489-796-5376" }
  ▶ Response Headers
  ▼ Response Body オ
     fid":"ff808181932badb60195f03687eb7655","name":"Austin Mante","createdAt":"2025-04-01T07:17:40.459+00:00","data":{"City":"Mayerview","Address":"1509 Brenden Fords","Phone":"489-796-53
     76"}}
  "Austin Mante"
 "{ "City": "Mayerview", "Address": "74900 Miller Wells", "Phone": "489-796-5376" }"
 ▶ PUT https://api.restful-api.dev/objects/ff808181932badb60195f03687eb7655
                                                                                                                                                                                               200 | 362 ms
 "Austin Mante"
 "{ "City": "Mayerview", "Address": "74900 Miller Wells", "Phone": "606-361-1885" }"
 ▼ PATCH https://api.restful-api.dev/objects/ff808181932badb60195f03687eb7655
                                                                                                                                                                                               200 346 ms
  ▶ Network
                                                                                                                                                                                                Show raw log
  ▶ Request Headers
  ▶ Request Body ↗
  ▶ Response Headers
  ▼ Response Body オ
     fid":"ff808181932badb60195f03687eb7655", "name":"Austin Mante", "updatedAt":"2025-04-01T07:21:59.551+00:00", "data":{"City":"Mayerview", "Address":"74900 Miller Wells", "Phone":"606-361-18
     85"}}
 ▶ GET https://api.restful-api.dev/objects/ff808181932badb60195f03687eb7655
                                                                                                                                                                                               200 311 ms
 V DELETE https://api.restful-api.dev/objects/ff808181932badb60195f03687eb7655
                                                                                                                                                                                               200 | 299 ms
  ▶ Network
                                                                                                                                                                                                Show raw log
  ▶ Request Headers
  ▶ Response Headers
  ▼ Response Body オ
     {"message":"Object with id = ff808181932badb60195f03687eb7655 has been deleted."}
 ▶ HEAD https://api.restful-api.dev/objects/ff808181932badb60195f03687eb7655
                                                                                                                                                                                               404 | 268 ms
                                                                                                                                                                        Show timestamps Hide network
```

Test run of the whole collection

FAIL Response time is less than 350ms | AssertionError: expected 727 to be below 350

RESTFULL-A	PI.DEV - Run results						Run Again	Automate Run ∨	+ New Run	
Ran today a	t 09:45:17 · <u>View all ru</u>	<u>ins</u>								
Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time					
Runner	none	1	5s 289ms	25	721 ms					
All Tests Pass	ed (19) Failed (6) Sk	ipped (0)								View Sun
Itoration 1										
Iteration 1										
POST create_n https://api.restful									200 OK	641 ms 1.058 KE
4	uccessful POST reques									
	ontent-Type in header i		con'							
	ame in response is equa		5011							
			match the collection va	riable						
			Error: expected 641 to b							
.,,,,				0 000						
PUT update_ob										
https://api.restful	-api.dev/objects/ff80818	1932badb60195f04fd3	08768b						200 OK	724 ms 1.059 KE
PASS Re	esponse status code is	200								
PASS C	ontent-Type in header i	s set to 'application/j	son'							
PASS na	ame in response is equa	al to the sent name								
PASS da	ata object properties ar	nd values in response	match the collection va	riable						
FAIL Re	esponse time is less tha	an 350ms Assertion	Error: expected 724 to b	e below 350						
PATCH part_up	odate_object_by_id									
https://api.restful	-api.dev/objects/ff80818	1932badb60195f04fd3	08768b						200 OK	727 ms 1.064 KE
PASS Re	esponse status code is	200								
PASS C	ontent-Type in header i	s set to 'application/j	son'							
PASS da	ata object properties ar	nd values in response	match the collection va	riable						

GET get_object_by_id

https://api.restful-api.dev/objects/ff808181932badb60195f04fd308768b

PASS Response status code is 200

PASS Content-Type in header is set to 'application/json'

PASS name in response is equal to the sent name

PASS data object properties and values in response match the collection variable

FAIL Response time is less than 350ms | AssertionError: expected 739 to be below 350

DELETE delete_object_by_id

https://api.restful-api.dev/objects/ff808181932badb60195f04fd308768b

PASS Status code is 200

PASS Response has the required field 'message'

PASS Message field contains exact text

FAIL Response time is less than 350ms | AssertionError: expected 642 to be below 350

HEAD head_object_by_id

https://api.restful-api.dev/objects/ff808181932badb60195f04fd308768b

404 Not Found 854 ms 880 E

200 OK 642 ms 983 E

PASS Response status code is 404

FAIL Response time is less than 350ms | AssertionError: expected 854 to be below 350