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Izvještaj – Lab 5- Postman

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Grupa: pon 10:30

1.

a. Metoda kojom je poslan zahtjev je metoda GET.

The screenshot shows the Network tab of the developer tools for a browser window displaying the website of the Faculty of Electrical Engineering, University of Sarajevo. The request URL is `http://etf.unsa.ba/` and the Request Method is `GET`. The status code is `200 OK`. The response headers include `Connection: Keep-Alive`, `Content-Encoding: gzip`, `Content-Type: text/html; charset=utf-8`, `Date: Sun, 29 Nov 2020 19:57:07 GMT`, `Keep-Alive: timeout=5, max=100`, `Server: Apache/2.2.3 (CentOS)`, `Transfer-Encoding: chunked`, `Vary: Accept-Encoding`, and `X-Powered-By: PHP/5.1.6`. The cookie `fe_tipo_user=784ffffe24f` is also listed. The network timeline shows the request taking approximately 1500 ms.

b.

The screenshot shows the Network tab of the developer tools for a browser window displaying the same website. This time, there are multiple requests visible in the timeline. One notable request is a POST request for a presentation titled "Prezentacija radne verzije projekta doktorske disertacije - Adis" at the URL `http://etf.unsa.ba/index.php?app_id=8&channel=https%3A%2F%2Fstatic.ofca....`. The request was sent at 6.81 ms and took 143.53 ms. Other requests shown include the initial GET request to the homepage and various static files like CSS, JS, and images. The timeline highlights the duration of each request, showing significant latency for the presentation upload.

The screenshot shows the Network tab of the developer tools in a browser window. The request for 'info.png' is highlighted, showing a duration of 189.29ms. The total page load time is 574.4 ms.

Name	DURATION
www.etf.unsa.ba	1.56 ms
etfcss	0.51 ms
univerzitet.gif	0.45 ms
etf-dugi.gif	186.05 ms
frond.gif	0.71 ms
slika_nakon.gif	189.29 ms
slika_etf_b.gif	
slika_etf_a.gif	
info.png	

Prvom zahtjevu je trebalo 143.53ms, a posljednjem 189.29ms.

C.

The screenshot shows the Network tab of the developer tools in a browser window. The request for 'info.png' is highlighted, showing a duration of 22690 ms. The total page load time is 574.4 ms.

Name	DURATION
www.etf.unsa.ba	22690 ms
etfcss	
univerzitet.gif	
etf-dugi.gif	
frond.gif	
slika_nakon.gif	
slika_etf_b.gif	
slika_etf_a.gif	
info.png	
ASIN.png	
slika_naucni.gif	
slika_odjeci.gif	
logo_unsa_erasmus.png	
clear.gif	
facebook.html	
sdk.js	
sdk.js	
sdk.js?hash=54d16651e78976d791a7514ae9f1cb53&ua=m...	
page.php?app_id=&channel=https%3A%2F%2Fstatic.o...	
SANPneN166.Css?_nc_x=13Wp8lg5Kz	
CZKifqK-ITS.css?_nc_x=13Wp8lg5Kz	
iE18RbaulOE.js?_nc_x=13Wp8lg5Kz	
1iuWyytjnVs.js?_nc_x=13Wp8lg5Kz	
LRNQYUQPQfbx.js?_nc_x=13Wp8lg5Kz	

Veličina tijela odgovora je 22690 bajta.

Nalaze se headeri:

Header	Opis	Detaljniji opis
Accept-Ranges	Da li server podržava „range“ zahtjev i ako da u kojoj jedinici „range“ može biti izražen	The Accept-Ranges response HTTP header is a marker used by the server to advertise its

		support of partial requests. The value of this field indicates the unit that can be used to define a range
Content-Length	Indicira veličinu tijela entiteta u bajtima poslanu primaocu.	The Content-Length entity header indicates the size of the entity-body, in bytes, sent to the recipient.
Content-Type	Indicira vrstu medija resursa	The Content-Type entity header is used to indicate the media type of the resource
Date	Datum i vrijeme	The Date general HTTP header contains the date and time at which the message was originated.
Etag	Identifikator za specifičnu verziju resursa	The Etag HTTP response header is an identifier for a specific version of a resource. It lets caches be more efficient and save bandwidth, as a web server does not need to resend a full response if the content has not changed. Additionally, etags help prevent simultaneous updates of a resource from overwriting each other ("mid-air collisions")
Last-Modified	Sadrži datum i vrijeme kada je izvorni server zaključio da je resurs zadnji put modifikovan.	The Last-Modified response HTTP header contains the date and time at which the origin server believes the resource was last modified. It is used as a validator to determine if a resource received or stored is the same. Less accurate than an ETag header, it is a fallback mechanism. Conditional requests containing If-Modified-Since or If-Unmodified-Since headers make use of this field
Server	Sadrži informaciju o tome kako server upravlja zahtjevom	The Server header contains information about the software used by the origin server to handle the request

U zahtjevu se nalazi

Referer - Sadrži adresu prethodne web stranice s koje slijedi veza do trenutno tražene stranice

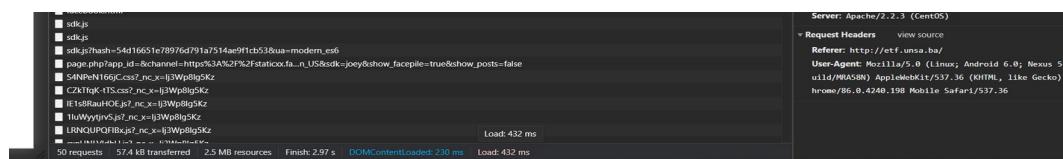
User-Agent - Sadrži karakteristični string koji omogućava da se pomoću mrežnog protokola identificira vrsta aplikacije, operativnog sistema, dobavljača softvera ili verziju softverskog agenta koji zahtjeva softver

d. Header u kojem piše koji preglednik koristimo se nalazi u Request Headers (user agent). (Chrome je preglednik)



```
Accept-encoding: gzip, deflate
Content-Length: 22696
Content-Type: image/png
Date: Mon, 23 Nov 2020 09:15:15 GMT
ETag: "4329b-58a2-5295f7d1195f40"
Last-Modified: Fri, 15 Jan 2016 13:36:21 GMT
Server: Apache/2.2.3 (CentOS)
User-Agent: Mozilla/5.0 (Linux; Android 6.0; Nexus 5 Build/MRA58N) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.4240.198 Mobile Safari/537.36
```

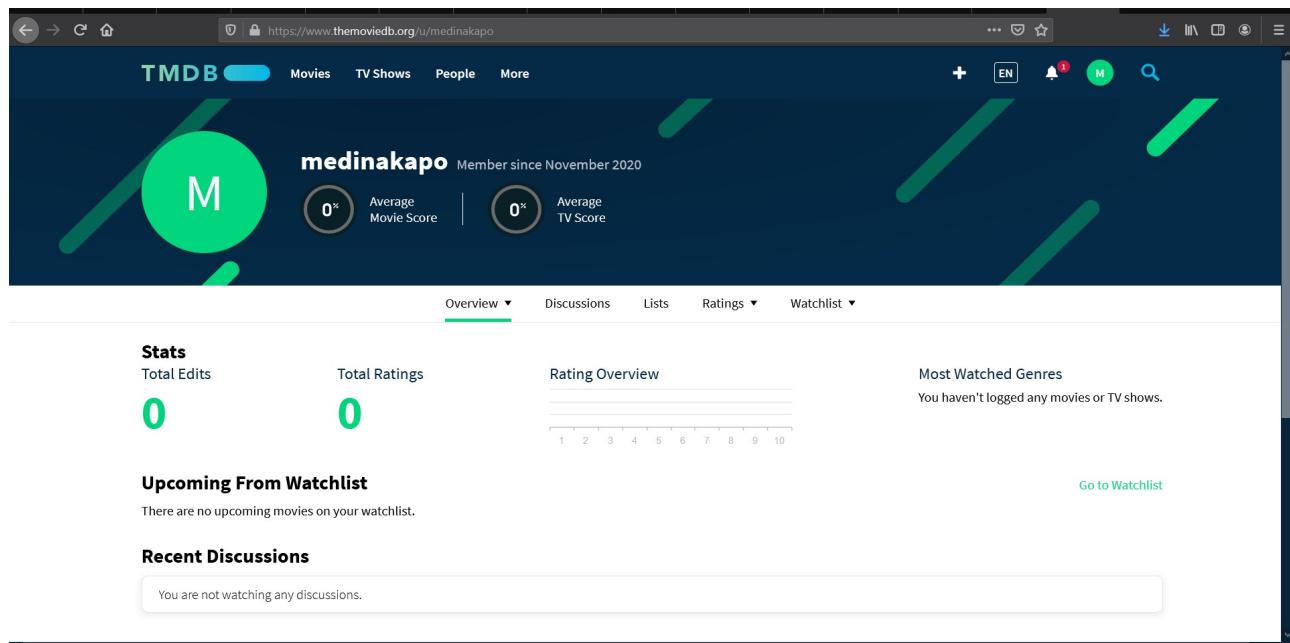
e.



Upućeno je ukupno 50 zahtjeva.

2.

Nakon registracije, zatražen je API key



The screenshot shows the TMDB settings/api page. On the left, there's a sidebar with links like Streaming Services, Notification Settings, Blocked Users, Import List, Sharing Settings, Social Settings, Sessions, API (which is selected), and Delete Account. The main content area has sections for Support, API Details, App Directory, and API Key (v3 auth). It shows an example API request URL: https://api.themoviedb.org/3/movie/550?api_key=c962112f7623937644c73da5db6a67f0. Below that is an API Read Access Token (v4 auth) field containing a long string of characters.

Film koji sam pretraživala je bio "Princess Diaries".
GET zahtjev za ovaj film:

The screenshot shows the Postman API Builder interface. It displays a single request named "Untitled Request" with a GET method pointing to https://api.themoviedb.org/3/search/movie?api_key=c962112f7623937644c73da5db6a67f0&query=Princess%20Diaries. The "Params" tab is selected, showing two parameters: "api_key" with value "c962112f7623937644c73da5db6a67f0" and "query" with value "Princess%20Diaries". The "Send" button is visible at the top right.

Označeni su potrebni parametri za upućivanje GET zahtjeva – api_key i query.

The screenshot shows the Postman API Builder interface after sending the request. The response status is 200 OK, time is 137 ms, and size is 3.33 KB. The response body is displayed in Pretty format, showing JSON data for the movie "The Princess Diaries". The JSON includes fields like total_pages (1), results (an array of movie objects), popularity (19.888), adult (false), backdrop_path ("ktPixzD9Bet7Co4uWkyR9191.jpg"), genre_ids (array of IDs: 35, 10751, 10749), original_language ("en"), original_title ("The Princess Diaries"), and poster_path ("wM1g18gmoICSShviCKEB6InIBB.jpg").

3.

a.

Odgovor na ovaj zahtjev (na GET zahtjev):

The screenshot shows the Postman application interface. In the top navigation bar, there are buttons for File, Edit, View, Help, + New, Import, Runner, and a search bar. The workspace is titled "My Workspace" and contains a single "Launchpad" entry. The status bar indicates "No Environment". The main area displays an "Untitled Request" for a GET method to https://api.themoviedb.org/3/search/movie?api_key=c962112f7623937644c73da5db6a67f0&query=Princess%20Diaries. The "Headers" tab is selected, showing 16 headers. The response status is 200 OK, with a time of 137 ms and a size of 3.33 KB. The response body is partially visible, showing JSON data related to movie search results.

This screenshot is identical to the one above, showing the same Postman interface and the same successful GET request to the MovieDB API. It displays the same 16 headers in the "Headers" tab and the same 200 OK response with a size of 3.33 KB.

Pronađeni headeri i njihov opis:

HEADER	OPIS	DETALJNIJI OPIS
Content-Type	Definira tip medija za resurs	The Content-Type entity header is used to indicate the media type of the resource
Transfer-Encoding	Specificira formu za kodiranje koja se koristi za transfer entiteta do korisnika	The Transfer-Encoding header specifies the form of encoding used to safely transfer the payload body to the user.

Connection	Generalni header koji specificira da li će trenutna mrežna veza ostati otvorena nakon što se trenutna transakcija završi	The Connection general header controls whether or not the network connection stays open after the current transaction finishes. If the value sent is <code>keep-alive</code> , the connection is persistent and not closed, allowing for subsequent requests to the same server to be done.
Date	Datum i vrijeme kada je poslana poruka	The Date general HTTP header contains the date and time at which the message was originated
Server	Sadrži informaciju o tome kako server upravlja zahtjevom	The Server header contains information about the software used by the origin server to handle the request.
Access-Control-Allow-Origin	Specificira URI koji može pristupiti odgovoru	The Access-Control-Allow-Origin response header indicates whether the response can be shared with requesting code from the given origin
Access-Control-Allow-Methods	Specificira koja metoda ili metode su dozvoljene prilikom pristupa resursu	The Access-Control-Allow-Methods response header specifies the method or methods allowed when accessing the resource in response to a preflight request
Access-Control-Allow-Headers	Specificira koja zaglavlj mogu biti izložena kao dio odgovora	The Access-Control-Expose-Headers response header indicates which headers can be exposed as part of the response by listing their names
Cache-Control	Generalno zaglavlj koje specificira pravila za keširanje u oba smjera – i kod zahtjeva i kod odgovora. Pravila za dužinu keša su mjerena u sekundama.	The Cache-Control general-header field is used to specify directives for caching mechanisms in both requests and responses. Caching directives are unidirectional, meaning that a given directive in a request is not implying that the same directive is to be given in the response
Content-Encoding	Zaglavlj koje indicira koja metoda kodiranja je primijenjena na tijelo entiteta.	
Vary	Specificirakako uskladiti	The Vary HTTP response

	buduća zaglavljva zahtjeva da bi se odlučilo može li se koristiti keširani odgovor, a ne tražiti novi s izvornog poslužitelja	header determines how to match future request headers to decide whether a cached response can be used rather than requesting a fresh one from the origin server. It is used by the server to indicate which headers it used when selecting a representation of a resource in a content-negotiation algorithm
X-Cache	Prilagođeno zaglavlje	Custom header
Via	Dodani od strane proxy-ja i koriste se za praćenje prosljedivanja poruka, izbjegavanje petlji zahtjeva i neznanje kompatibilnosti protokola pošiljatelja	Added by proxies and used to track message forwards, avoid request loops and identify protocol compatibilities of senders
X-Amz-Cf-Pop	Prilagođeno zaglavlje	Custom header
X-Amz-Cf-Id	Prilagođeno zaglavlje	Custom header
Age	Indicira broj sekundi koliko je objekat bio u kešu proxy-ja	Indicates the number of seconds the object has been in proxy cache.

b.

Status Code je 200 OK, što znači da je za ovaj HTTP zahtjev odgovor uspješan.

KEY	VALUE
Content-Type	application/json;charset=utf-8
Transfer-Encoding	chunked
Connection	keep-alive
Date	Sun, 29 Nov 2020 17:25:36 GMT
Server	openresty
Access-Control-Allow-Origin	*
Access-Control-Allow-Methods	GET, HEAD, POST, PUT, DELETE, OPTIONS

c.

Vrijeme: 29.11.2020, 17:25h

KEY	VALUE
Content-Type	application/json;charset=utf-8
Transfer-Encoding	chunked
Connection	keep-alive
Date	Sun, 29 Nov 2020 17:25:36 GMT
Server	openresty
Access-Control-Allow-Origin	*
Access-Control-Allow-Methods	GET, HEAD, POST, PUT, DELETE, OPTIONS

d.

Tip sadržaja odgovora: application/json;charset=utf-8

KEY	VALUE
Content-Type	application/json;charset=utf-8
Transfer-Encoding	chunked
Connection	keep-alive
Date	Sun, 29 Nov 2020 17:25:36 GMT
Server	openresty

Zadatak 2.b

The screenshot shows the Postman application interface. In the top navigation bar, there are tabs for 'Launchpad', 'GET https://xkcd.com/info...', 'GET https://xkcd.com/61...', 'GET Connection', and 'POST http://httpbin.org/...'. The 'POST' tab is selected. The URL is 'http://httpbin.org/post'. The 'Body' tab is active, showing 'x-www-form-urlencoded' selected. The body contains two key-value pairs: 'ime' with value 'Medina' and 'prezime' with value 'Kapo'. Below the body, the response status is 200 OK, time is 148 ms, and size is 799 B. The response body is displayed in JSON format:

```
1 [ { 2 "args": {}, 3 "data": "", 4 "files": {}, 5 "form": { 6 "ime": "Medina", 7 "prezime": "Kapo" 8 }, 9 "headers": { 10 "Accept": "*/*", 11 "Accept-Encoding": "gzip, deflate, br", 12 "Content-Length": "23", 13 "Content-Type": "application/x-www-form-urlencoded", 14 "Host": "httpbin.org", 15 "Postman-Token": "c0fela0b-cb3e-4e87-b653-1a5ebdead9b3", }
```

This screenshot is similar to the previous one, but the 'Headers' tab is now active. The response headers shown are:

KEY	VALUE
Date	Sun, 29 Nov 2020 20:39:09 GMT
Content-Type	application/json
Content-Length	569
Connection	keep-alive
Server	gunicorn/19.9.0
Access-Control-Allow-Origin	*
Access-Control-Allow-Credentials	true

Date – datum i vrijeme kada je poslana poruka

Content-type – indicira medijski tip resursa

Content-Length – indicira veličinu body-a u bajtima

Access-Control-Allow-Credentials - Saopštava web browseru da li da prikaže odgovor JavaScript kodu kada je request mode uključen

Ostali headeri su već prethodno opisani u jednoj od tabela.

b.

Status: 200 OK – standardni odgovor za uspješan zahtjev

c.

Datum: 29.11.2020, 20:39

d.

Tip sadržaja odgovora: application/json

Key	Value	Description
Date	Sun, 29 Nov 2020 20:39:09 GMT	Status: 200 OK Time: 148 ms Size: 799 B Save Response ▾
Content-Type	application/json	
Content-Length	569	
Connection	keep-alive	

DELETE

The screenshot shows the Postman interface with a DELETE request to `http://httpbin.org/delete`. The Body tab is selected, containing a key-value pair `korisnik: neko`. The Headers tab shows `Content-Type: application/json`. The response status is 200 OK.

```
1 [ { 2   "args": {}, 3   "data": "", 4   "files": {}, 5   "form": { 6     "korisnik": "neko" 7   }, 8   "headers": { 9     "Accept": "*/*", 10    "Accept-Encoding": "gzip, deflate, br", 11    "Content-Length": "167", 12    "Content-Type": "multipart/form-data; boundary=-----795929052135371983709723", 13    "Host": "httpbin.org", 14    "Postman-Token": "8848d0c6-8b05-42b1-aa82-5bb590019cb6", 15    "User-Agent": "PostmanRuntime/7.26.8", 16    "X-Amzn-Trace-Id": "Root=1-5fc3e97c-413487333ccada9e7b0317b3" 17  }, 18  "json": null, 19  "origin": "92.36.143.195", 20  "url": "http://httpbin.org/delete" 21 } ]
```

a.
headeri

The screenshot shows the Postman interface with a DELETE request to `http://httpbin.org/delete`. The Headers tab is active, showing the following header details:

KEY	VALUE
Date	Sun, 29 Nov 2020 18:33:32 GMT
Content-Type	application/json
Content-Length	598
Connection	keep-alive
Server	gunicorn/19.9.0
Access-Control-Allow-Origin	*
Access-Control-Allow-Credentials	true

Svi navedeni headeri su već ranije opisani u prethodnim tabelama.

b.

Status: 200 OK

The screenshot shows the response details for the previous request. It includes the status, time, size, and a 'Save Response' button.

Status: 200 OK Time: 143 ms Size: 828 B | Save Response

c.

Datum: 29.11.2020., 18:33

The screenshot shows the Postman interface with a DELETE request to `http://httpbin.org/delete`. The Headers tab is active, showing the following header details:

KEY	VALUE
Date	Sun, 29 Nov 2020 18:33:32 GMT
Content-Type	application/json
Content-Length	598
Connection	keep-alive
Server	gunicorn/19.9.0

d.

Tip sadržaja odgovora: application/json

The screenshot shows the response details for the previous request. It includes the status, time, size, and a 'Save Response' button.

Status: 200 OK Time: 143 ms Size: 828 B | Save Response

EMAIL

Izvršena je registracija na mailboxlayer-u:

The screenshot shows the mailboxlayer.com dashboard. On the left, there's a sidebar with links: Dashboard, Upgrade, Subscription Plan, Account, Payment, API Usage, and Sign Out. The main area has a notification box stating "You have no new notifications". Below it is a section titled "Your API Access Key" with the key value "8bf8dc30277c646ac089a4dd3acc731f" and a "Reset" button. There's also a "Validate Email Address" section.

The screenshot shows the Postman API builder interface. The left sidebar says "No APIs yet" and has a "Create an API" button. The main workspace shows an "Untitled Request" for a GET method to "http://apilayer.net/api/check?access_key=8bf8dc30277c646ac089a4dd3acc731f&email=mkapo2@etf.unsa.ba&smtp=1&format=1". The "Params" tab shows "access_key" and "email" checked. The "Body" tab shows the JSON response:

```
1 {  
2     "email": "mkapo2@etf.unsa.ba",  
3     "did_you_mean": "",  
4     "user": "mkapo2",  
5     "domain": "etf.unsa.ba",  
6     "format_valid": true,  
7     "mx_found": true,  
8     "smtp_check": true,  
9     "catch_all": null,  
10    "role": false,  
11    "disposable": false,  
12    "free": false,  
13    "score": 0.96  
14 }
```

 The status bar at the bottom indicates "Status: 200 OK Time: 984 ms Size: 607 B Save Response".

No APIs yet

APIs define related collections and environments under a consistent schema.

New to APIs in Postman? Take a tour and see all that you can do within the API Builder.

Start

Launchpad

Untitled Request

GET http://apilayer.net/api/checkaccess_key-8bf8dc30277c646ac089a4dd3acc731f&email=mkapo2@etf.unsa.ba&smtp=1&format=1

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
access_key	8bf8dc30277c646ac089a4dd3acc731f	
email	mkapo2@etf.unsa.ba	
smtp	1	
format	1	

Body Cookies Headers (8) Test Results

KEY	VALUE
date	Sun, 29 Nov 2020 18:43:44 GMT
content-type	application/json; Charset=UTF-8
transfer-encoding	chunked
x-apilayer-cache-ca	true
x-apilayer-transaction-id	9975f29a-c1bf-4bd8-9f34-1a0b37c9c502
access-control-allow-methods	GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS
access-control-allow-origin	*

Status: 200 OK Time: 984 ms Size: 607 B Save Response

No APIs yet

APIs define related collections and environments under a consistent schema.

New to APIs in Postman? Take a tour and see all that you can do within the API Builder.

Start

Launchpad

Untitled Request

GET http://apilayer.net/api/checkaccess_key-8bf8dc30277c645ac089a4dd3acc731f&email=mkapo2@etf.unsa.ba&smtp=1&format=1

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
access_key	8bf8dc30277c645ac089a4dd3acc731f	
email	mkapo2@etf.unsa.ba	

Body Cookies Headers (8) Test Results

KEY	VALUE
date	Sun, 29 Nov 2020 18:43:44 GMT
content-type	application/json; Charset=UTF-8
transfer-encoding	chunked
x-apilayer-cache-ca	true
x-apilayer-transaction-id	9975f29a-c1bf-4bd8-9f34-1a0b37c9c502
access-control-allow-methods	GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS
access-control-allow-origin	*
x-request-time	0.776

Status: 200 OK Time: 984 ms Size: 607 B Save Response

x-apilayer-cache-ca – custom header

x-request-time – custom header

ostali headeri su već ranije navedeni.

b.

Status 200 OK

Tests Settings Cookies Code

77c646ac089a4dd3acc731f

etf.unsa.ba

Value

KEY	VALUE
date	Sun, 29 Nov 2020 18:43:44 GMT
content-type	application/json; Charset=UTF-8
transfer-encoding	chunked

Status: 200 OK Time: 984 ms Size: 607 B Save Response

C.

Datum: 29.11.2020., 18:43

email		mkapo2@etf.unsa.ba			
Body	Cookies	Headers (8)	Test Results		
		KEY	VALUE		
		date	Sun, 29 Nov 2020 18:43:44 GMT		
		content-type	application/json; Charset=UTF-8		
		transfer-encoding	chunked		
		x-apilayer-cache-ca	true		
		x-apilayer-transaction-id	9975f29a-c1bf-4bd8-9f34-1a0b37c9c502		

d.

Tip sadržaja odgovora: application/json; Charset=UTF-8

Slučaj kada je mail adresa pogrešna
--format_valid je postavljen na false.

New to APIs in Postman?
Take a tour and see all that you can do within the API Builder.

Start

No APIs yet

APIs define related collections and environments under a consistent schema.

Create an API

Launchpad

GET http://apilayer.net/api/check?access_key=8bf8dc30277c646ac089a4dd3acc731f&email=mkapo233@etf.unsa.ba&smtp=1&format=1

Params Authorization Headers (8) Body Pre-request Script Tests Settings

KEY	VALUE	DESCRIPTION
access_key	8bf8dc30277c646ac089a4dd3acc731f	
email	mkapo233@etf.unsa.ba	
smtp	1	
format	1	

Body Cookies Headers Test Results

Pretty Raw Preview Visualize JSON

Status: 200 OK Time: 439 ms Size: 587 B Save Response

KEY	VALUE
date	Sun, 29 Nov 2020 20:53:01 GMT
content-type	application/json; Charset=UTF-8
transfer-encoding	chunked
x-apilayer-transaction-id	9f3b919c-38c9-4458-8b0f-2ca5ff035b4b
access-control-allow-methods	GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS
access-control-allow-origin	*
x-request-time	0.025

Headeri koji su navedeni su prethodno objašnjeni.

Sa slike vidimo da je status 200 OK.

Vrijeme i tip:

Key	Value	Description
date	Sun, 29 Nov 2020 20:53:01 GMT	
content-type	application/json; Charset=UTF-8	
transfer-encoding	chunked	
x-apilayer-transaction-id	9f3b919c-38c9-4458-8b0f-2ca5ff035b4b	
access-control-allow-methods	GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS	

Ako stavimo pogrešan access_key

The screenshot shows the Postman API Builder interface. A new request is being created for the URL `http://apilayer.net/api/check?access_key=236&email=mkapo233etf.unsa.ba&smtp=1&format=1`. The 'Params' tab is selected, showing parameters: access_key (236), email (mkapo233etf.unsa.ba), smtp (1), and format (1). The 'Body' tab shows a JSON response with an error message:

```
[{"success": false, "error": {"code": 101, "type": "invalid_access_key", "info": "You have not supplied a valid API Access Key. [Technical Support: support@apilayer.com]"}]
```

KEY	VALUE
cache-control	no-cache
content-type	application/json; Charset=UTF-8
access-control-allow-methods	GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS
access-control-allow-origin	*
x-blocked-at-loadbalancer	1

x-blocked-at-loadbalancer -custom header

ostali su već prije opisani

Status je 200 OK.

DOHVAĆANJE SLIKA

The screenshot shows the Postman interface with the following details:

- Launchpad** tab selected.
- Untitled Request** tab selected.
- Method**: GET, **URL**: https://xkcd.com/info.0.json.
- Headers**: Authorization, Headers (8).
- Body**: Body (green dot) selected.
- Test Results**: Status: 200 OK, Time: 144 ms, Size: 718 B.
- Body Content (Pretty)**:

```
1 [ {  
2   "month": "11",  
3   "num": 2391,  
4   "link": "",  
5   "year": "2020",  
6   "news": "",  
7   "safe_title": "Life Before the Pandemic",  
8   "transcript": "",  
9   "alt": "I can't wait until this is all over and I can go back to riding my horse through the mall.",  
10  "img": "https://imgs.xkcd.com/comics/life_before_the_pandemic.png",  
11  "title": "Life Before the Pandemic",  
12  "day": "27"  
13 } ]
```

Tijelo se sastoji od atributa: month(mjesec), num(broj/id), link, year(godina), news, safe_title(naslov), transcript, alt, img(link na sliku), title(naslov), day(dan)

The screenshot shows the Postman interface with the following details:

- Launchpad** tab selected.
- Untitled Request** tab selected.
- Method**: GET, **URL**: https://imgs.xkcd.com/comics/life_before_the_pandemic.png.
- Headers**: Authorization, Headers (6).
- Body**: Body (blue dot) selected.
- Test Results**: Status: 200 OK, Time: 320 ms, Size: 95.44 KB.
- Body Content (Image Preview)**: A comic strip titled "Life Before the Pandemic" by xkcd. It features two panels of stick figures. The first panel shows two figures talking about missing pre-pandemic activities. The second panel shows the same figures again, with one figure expressing impatience for a vaccine.

Headeri:

The screenshot shows the Postman application interface. At the top, there are tabs for 'File', 'Edit', 'View', 'Help', and buttons for '+ New', 'Import', 'Runner', and 'Invite'. The main title bar says 'My Workspace' with a dropdown arrow. On the right, there are icons for refresh, search, settings, notifications, heart, cloud, and upgrade.

The left sidebar has tabs for 'History', 'Collections', and 'APIs'. Under 'APIs', there's a '+ New API' button and a 'Create an API' button. A sidebar message 'No APIs yet' and 'APIs define related collections and environments under a consistent schema.' is displayed. Below this is a 'New to APIs in Postman?' section with a 'Start' button and an astronaut icon.

The central workspace shows an 'Untitled Request' with a 'GET' method and the URL 'https://xkcd.com/info.0.json'. Below the URL, there are tabs for 'Params', 'Authorization', 'Headers (6)', 'Body', 'Pre-request Script', 'Tests', and 'Settings'. The 'Headers' tab is selected, showing 18 entries. The table has columns for 'KEY' and 'VALUE'. The headers listed are:

KEY	VALUE
Connection	keep-alive
Content-Length	235
Server	nginx
Content-Type	application/json
Last-Modified	Fri, 27 Nov 2020 14:26:17 GMT
ETag	W/"5fc10c89-15b"
Expires	Fri, 27 Nov 2020 14:33:23 GMT
Cache-Control	max-age=300
Content-Encoding	gzip
Accept-Ranges	bytes
Date	Sun, 29 Nov 2020 19:14:49 GMT
Via	1.1 varnish
Age	204
X-Served-By	cache-vie21636-VIE
X-Cache	HIT

At the bottom, there are buttons for 'Send', 'Save', 'Cookies', and 'Code'. Status information at the bottom right includes 'Status: 200 OK', 'Time: 44 ms', 'Size: 719 B', and 'Save Response'.

This screenshot shows the same Postman interface as the first one, but with a different set of headers. The 'Headers' table now contains the following entries:

KEY	VALUE
Last-Modified	Fri, 27 Nov 2020 14:26:17 GMT
ETag	W/"5fc10c89-15b"
Expires	Fri, 27 Nov 2020 14:33:23 GMT
Cache-Control	max-age=300
Content-Encoding	gzip
Accept-Ranges	bytes
Date	Sun, 29 Nov 2020 19:14:49 GMT
Via	1.1 varnish
Age	204
X-Served-By	cache-vie21636-VIE
X-Cache	HIT
X-Cache-Hits	2
X-Timer	S1606677290.796586,V0,VE0
Vary	Accept-Encoding

Etag-indicira specifičnu verziju resursa

Expires-indicira vrijeme poslije kojeg odgovor se smatra zastarjelim

Accept Ranges – Indicira da li klijent može tražiti dio fajla umjesto kompletнog

X-Served-By , X-Cache , X-Cache-Hits , X-Timer -custom headers

ostali su već ranije definisani. Status je 200 OK, Date je 29.11.2020, 19:14. Content-Type je application/json.

2.

The screenshot shows the Postman interface with the following details:

- Header:** GET https://xkcd.com/info.0.json
- Body (Pretty):**

```
1 {
2     "month": "7",
3     "num": 614,
4     "link": "",
5     "year": "2009",
6     "news": "",
7     "safe_title": "Woodpecker",
8     "transcript": "[[A man with a beret and a woman are standing on a boardwalk, leaning on a handrail.]]\nMan: A woodpecker!\nWoman: Yup.\n[[The woodpecker is banging its head against a tree.]]\nWoman: He hatched about this time last year.\n[[Pop pop pop pop...]]\nMan: The woman walks away. The man is still standing at the handrail.\nMan: ... woodpecker...\nMan: It's your birthday!\nMan: Did you know?\nMan: Did... did nobody tell you?\nMan: The man stands, looking [[There is a tree.]]\nMan: ... woodpecker...\nMan: Did you know?\nMan: Did... did nobody tell you?\nMan: The man stands, looking down at the present.\n[[The man walks away.]]\n[[The man approaches the tree with a present in a box, tied up with ribbon.]]\n[[The man sets the present down at the base of the tree and looks up.]]\n[[The man walks away.]]\n[[The present is sitting at the bottom of the tree.]]\n[[The woodpecker looks down at the present.]]\n[[The woodpecker sits on the present.]]\n[[The woodpecker pulls on the ribbon tying the present closed.]]\n[[The woodpecker is flying, with an electric drill dangling from its feet, held by the cord.]]\n[[Title text: If you don't have an extension cord I can get that too. Because we're friends! Right?]]",
9     "alt": "If you don't have an extension cord I can get that too. Because we're friends! Right?",
10    "img": "https://imgs.xkcd.com/comics/woodpecker.png",
11    "title": "Woodpecker",
12    "day": "24"
13 }
```
- Header:** GET https://xkcd.com/614/info.0.json
- Body (Pretty):**

```
1 {
2     "month": "7",
3     "num": 614,
4     "link": "https://xkcd.com/614/",
5     "year": "2009",
6     "news": "http://www.xkcd.com/614/",
7     "safe_title": "Woodpecker",
8     "transcript": "[[A man with a beret and a woman are standing on a boardwalk, leaning on a handrail.]]\nMan: A woodpecker!\nWoman: Yup.\n[[The woodpecker is banging its head against a tree.]]\nWoman: He hatched about this time last year.\n[[Pop pop pop pop...]]\nMan: The woman walks away. The man is still standing at the handrail.\nMan: ... woodpecker...\nMan: It's your birthday!\nMan: Did you know?\nMan: Did... did nobody tell you?\nMan: The man stands, looking [[There is a tree.]]\nMan: ... woodpecker...\nMan: Did you know?\nMan: Did... did nobody tell you?\nMan: The man stands, looking down at the present.\n[[The man walks away.]]\n[[The man approaches the tree with a present in a box, tied up with ribbon.]]\n[[The man sets the present down at the base of the tree and looks up.]]\n[[The man walks away.]]\n[[The present is sitting at the bottom of the tree.]]\n[[The woodpecker looks down at the present.]]\n[[The woodpecker sits on the present.]]\n[[The woodpecker pulls on the ribbon tying the present closed.]]\n[[The woodpecker is flying, with an electric drill dangling from its feet, held by the cord.]]\n[[Title text: If you don't have an extension cord I can get that too. Because we're friends! Right?]]",
9     "alt": "If you don't have an extension cord I can get that too. Because we're friends! Right?",
10    "img": "https://imgs.xkcd.com/comics/woodpecker.png",
11    "title": "Woodpecker",
12    "day": "24"
13 }
```

Tijelo se sastoji od atributa: month(mjesec), num(broj/id), link, year(godina), news, safe_title(naslov), transcript, alt, img(link na sliku), title(naslov), day(dan)

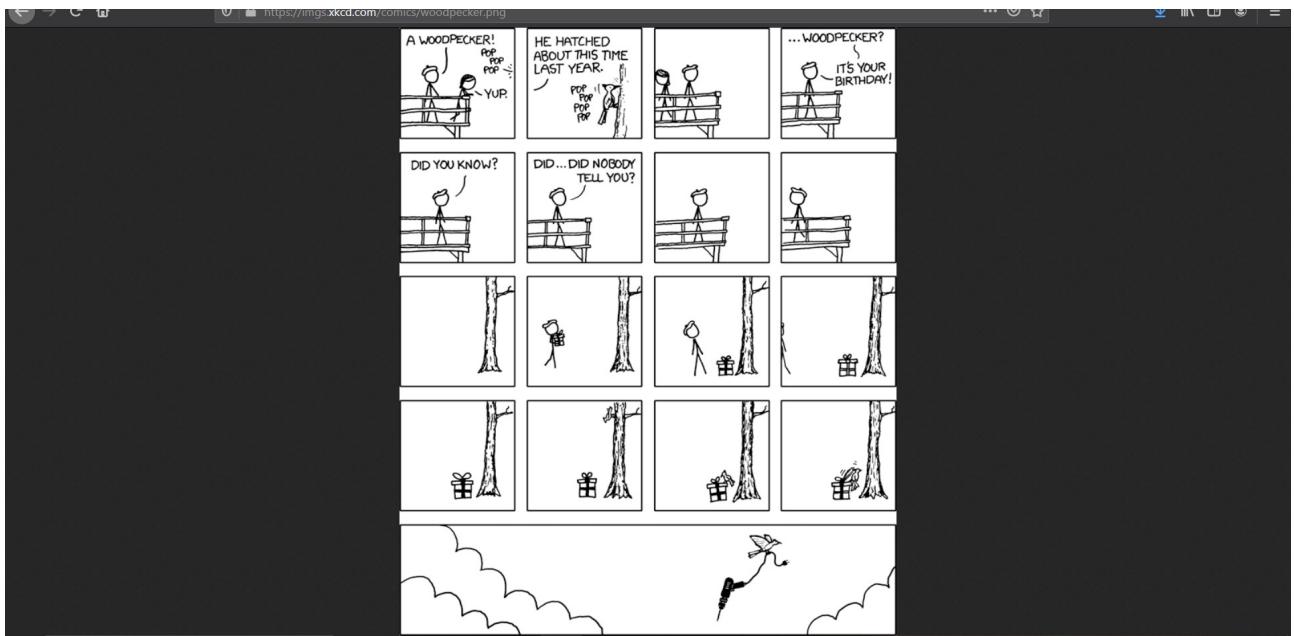
The screenshot shows the Postman interface with the following details:

- Header:** GET https://xkcd.com/info.0.json
- Header:** GET https://xkcd.com/614/info.0.json
- Header:** GET https://imgs.xkcd.com/comics/woodpecker.png
- Body (Pretty):**

```
1 {
2     "month": "7",
3     "num": 614,
4     "link": "https://xkcd.com/614/",
5     "year": "2009",
6     "news": "http://www.xkcd.com/614/",
7     "safe_title": "Woodpecker",
8     "transcript": "[[A man with a beret and a woman are standing on a boardwalk, leaning on a handrail.]]\nMan: A woodpecker!\nWoman: Yup.\n[[The woodpecker is banging its head against a tree.]]\nWoman: He hatched about this time last year.\n[[Pop pop pop pop...]]\nMan: The woman walks away. The man is still standing at the handrail.\nMan: ... woodpecker...\nMan: It's your birthday!\nMan: Did you know?\nMan: Did... did nobody tell you?\nMan: The man stands, looking [[There is a tree.]]\nMan: ... woodpecker...\nMan: Did you know?\nMan: Did... did nobody tell you?\nMan: The man stands, looking down at the present.\n[[The man walks away.]]\n[[The man approaches the tree with a present in a box, tied up with ribbon.]]\n[[The man sets the present down at the base of the tree and looks up.]]\n[[The man walks away.]]\n[[The present is sitting at the bottom of the tree.]]\n[[The woodpecker looks down at the present.]]\n[[The woodpecker sits on the present.]]\n[[The woodpecker pulls on the ribbon tying the present closed.]]\n[[The woodpecker is flying, with an electric drill dangling from its feet, held by the cord.]]\n[[Title text: If you don't have an extension cord I can get that too. Because we're friends! Right?]]",
9     "alt": "If you don't have an extension cord I can get that too. Because we're friends! Right?",
10    "img": "https://imgs.xkcd.com/comics/woodpecker.png",
11    "title": "Woodpecker",
12    "day": "24"
13 }
```

The interface shows a grid of 12 comic panels from the strip, starting with the title panel and ending with the final panel where the woodpecker is flying with a drill.

cijela slika



headeri

The screenshot shows the Postman application interface. The top navigation bar includes 'New', 'Import', 'Runner', and 'My Workspace'. The main workspace shows a 'Launchpad' with three GET requests to 'https://xkcd.com/614/info.0.json'. The central area is titled 'Untitled Request' with a 'GET' method and URL. The 'Headers' tab is selected, displaying 18 key-value pairs. The status bar at the bottom indicates a 200 OK response with a time of 37 ms and a size of 1.12 KB.

KEY	VALUE
Connection	keep-alive
Content-Length	660
Server	nginx
Content-Type	application/json
Last-Modified	Fri, 27 Nov 2020 14:26:18 GMT
ETag	W/"5fc10c8a-5ac"
Expires	Sun, 29 Nov 2020 19:21:20 GMT
Cache-Control	max-age=300
Content-Encoding	gzip
Accept-Ranges	bytes
Date	Sun, 29 Nov 2020 19:18:51 GMT
Via	1.1 varnish
Age	150
X-Served-By	cache-vie21636-VIE
X-Cache	HIT

No APIs yet

APIs define related collections and environments under a consistent schema.

New to APIs in Postman? Take a tour and see all that you can do within the API Builder.

Start

Find and Replace Console

Launchpad | GET https://xkcd.com/info.0.json | GET https://xkcd.com/614/info.0... | GET https://xkcd.com/614/info.0... | No Environment

Untitled Request

GET https://xkcd.com/614/info.0.json

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Body Cookies Headers (18) Test Results

		Status: 200 OK Time: 37 ms Size: 1.12 KB Save Response
Last-Modified	Fri, 27 Nov 2020 14:26:18 GMT	
ETag	W/"5fc10c8a-5ac"	
Expires	Sun, 29 Nov 2020 19:21:20 GMT	
Cache-Control	max-age=300	
Content-Encoding	gzip	
Accept-Ranges	bytes	
Date	Sun, 29 Nov 2020 19:18:51 GMT	
Via	1.1 varnish	
Age	150	
X-Served-By	cache-vie21636-VIE	
X-Cache	HIT	
X-Cache-Hits	2	
X-Timer	S1606677531.271995,V0,VED	
Vary	Accept-Encoding	

Find and Replace Console

Bootcamp Build Browse

Svi navedeni headeri su već navedeni u prethodnim tabelama i objašnjeni.
Status 200 OK. Vrijeme i tip možemo iščitati iz ove tabele i to iz Date i Content-Type, respektivno.
TRENDING PASTES

No APIs yet

APIs define related collections and environments under a consistent schema.

New to APIs in Postman? Take a tour and see all that you can do within the API Builder.

Start

Find and Replace Console

Launchpad | GET https://xkcd.com/info.0.json | GET https://xkcd.com/614/info.0... | GET https://pastebin.com/api/api_post.php?api_option=trends&api_dev_key=ioV9ef5CyYenAncyXitKGecAPa1nRH | No Environment

Untitled Request

GET https://pastebin.com/api/api_post.php?api_option=trends&api_dev_key=ioV9ef5CyYenAncyXitKGecAPa1nRH

Params Authorization Headers (7) Body Pre-request Script Tests Settings

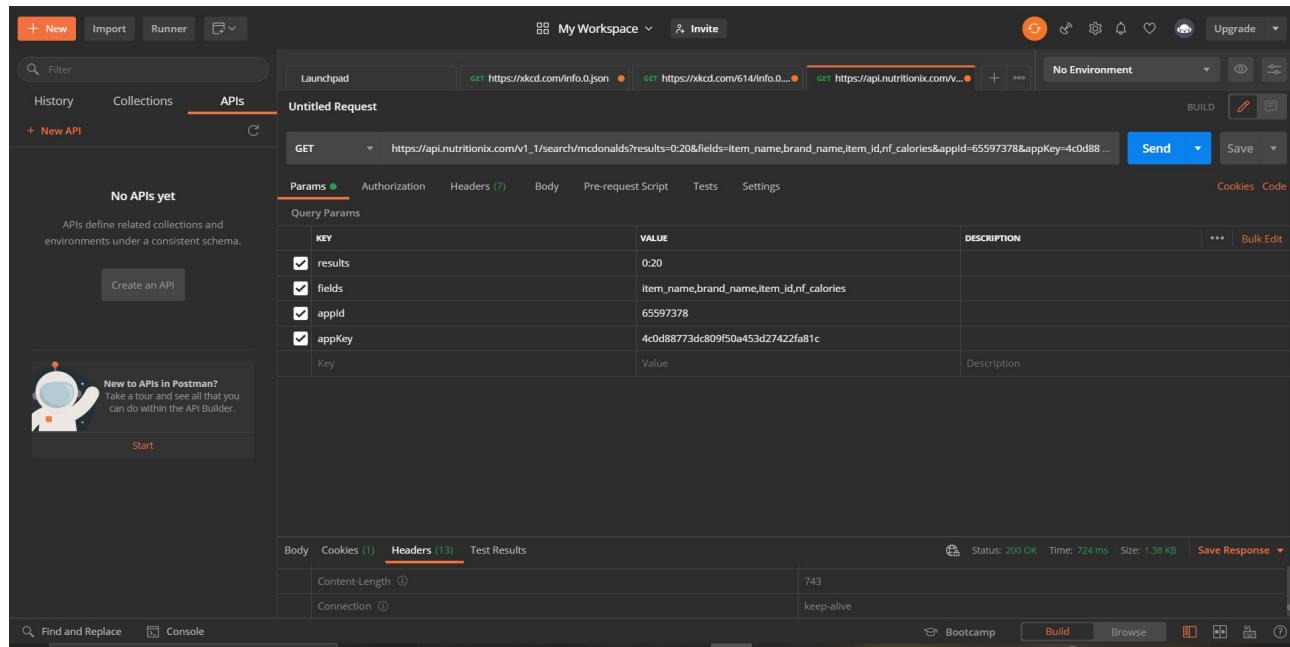
Body Cookies (2) Headers (9) Test Results

		Status: 405 Method Not Allowed Time: 409 ms Size: 431 B Save Response
Date	Sun, 29 Nov 2020 19:34:18 GMT	
Content-Type	text/html; charset=UTF-8	
Transfer-Encoding	chunked	
Connection	keep-alive	
CF-Cache-Status	DYNAMIC	
cf-request-id	06b718c63200001cbc98970000000001	
Expect-CT	max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-ct"	
Server	cloudflare	
CF-RAY	5f9ec3e9edad1cbc-BUD	

Find and Replace Console

CF-Cache-Status , cf-request-id , Expect-CT , CF-RAY -custom headers
Vrijeme, tip možemo iščitati iz tabele i to iz Date i Content-Type, respektivno.

API SA LISTE PO ŽELJI



My Workspace

Launchpad

Untitled Request

GET https://api.nutritionix.com/v1_1/search/mcdonalds?results=0:20&fields=item_name,brand_name,item_id,nf_calories&appId=65597378&appKey=4c0d88...

No Environment

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
results	0:20	
fields	item_name,brand_name,item_id,nf_calories	
appId	65597378	
appKey	4c0d88773dc809f50a453d27422fa81c	

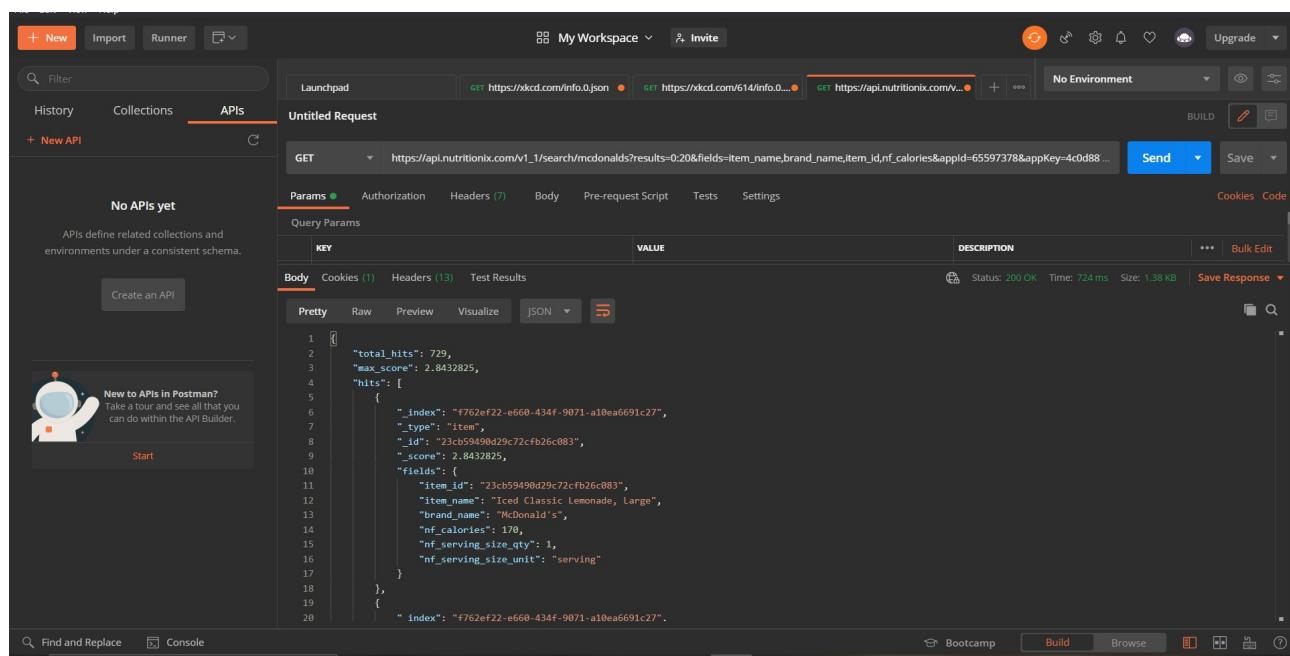
Body Cookies (1) Headers (13) Test Results

Status: 200 OK Time: 724 ms Size: 1.38 KB Save Response

Content-Length: 743

Connection: keep-alive

Find and Replace Console



My Workspace

Launchpad

Untitled Request

GET https://api.nutritionix.com/v1_1/search/mcdonalds?results=0:20&fields=item_name,brand_name,item_id,nf_calories&appId=65597378&appKey=4c0d88...

No Environment

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Body Cookies (1) Headers (13) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
  "total_hits": 729,
  "max_score": 2.8432825,
  "hits": [
    {
      "_index": "f762ef22-e660-434f-9071-a10ea6691c27",
      "_type": "item",
      "_id": "23cb59490d29c72cfb26c083",
      "score": 2.8432825,
      "fields": {
        "item_id": "23cb59490d29c72cfb26c083",
        "item_name": "Iced Classic Lemonade, Large",
        "brand_name": "McDonald's",
        "nf_calories": 170,
        "nf_serving_size_qty": 1,
        "nf_serving_size_unit": "serving"
      }
    },
    {
      "_index": "f762ef22-e660-434f-9071-a10ea6691c27"
    }
  ]
}
```

Find and Replace Console

The screenshot shows the Postman application interface. At the top, there are buttons for '+ New', 'Import', 'Runner', and a dropdown for 'My Workspace'. To the right of the workspace name is an 'Invite' button. The top right corner has icons for refresh, settings, notifications, and upgrade.

The main area is titled 'Launchpad' and shows three recent requests: 'GET https://xkcd.com/info.0.json', 'GET https://xkcd.com/614/info.0...', and 'GET https://api.nutritionix.com/v...'. A new request is being built for 'GET https://api.nutritionix.com/v1_1/search/mcdonalds?results=0:20&fields=item_name,brand_name,item_id,nf_calories&appId=65597378&appKey=4c0d88...'. The 'Headers' tab is selected, showing 13 headers with their corresponding values. The status bar at the bottom indicates a 200 OK response with a time of 724 ms and a size of 1.38 KB.

The left sidebar says 'No APIs yet' and includes a 'Create an API' button. A 'New to APIs in Postman?' section with a robot icon and a tour link is also present.

At the bottom, there are 'Find and Replace' and 'Console' buttons, along with navigation icons for 'Bootcamp', 'Build', 'Browse', and others.

KEY	VALUE
Access-Control-Allow-Headers	Content-Type, X-Requested-With, X-APP-ID, X-APP-KEY
Access-Control-Allow-Methods	GET, PUT, POST, DELETE, OPTIONS
Access-Control-Allow-Origin	*
Content-Encoding	gzip
Content-Type	application/json; charset=utf-8
Date	Sun, 29 Nov 2020 19:53:40 GMT
Server	nginx/1.6.2 + Phusion Passenger
Set-Cookie	session=aTkbxHLenRQF6ug7U33Yg_ZQQjRGRbgBaDf_qqjYHdS5euYyLYNe6x182lu8VVDQc.16066796...
Status	200 OK
X-Powered-By	Express
X-Powered-By	Phusion Passenger
Content-Length	743
Connection	keep-alive