

APIS MANAGEMENT FUNCTIONAL DOCUMENT

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REQUIRIMIENTOS

1. Provide a REST API to access movies and persons models:

No authentication is required

- a. API Movies : https://netflixapis.herokuapp.com/List_All_Movies/

The screenshot shows a REST client interface with a GET request to `https://netflixapis.herokuapp.com/List_All_Movies/`. The response is displayed in JSON format, showing a list of two movie objects. The first object is for the movie "Asu Mare 2" (2020, Sci-Fi, Spanish) with a synopsis about Carlos Alcántara. The second object is for "Av Larco" (2019, Documentary) about a fragile band.

```
1 {
2   {
3     "title": "Asu Mare 2",
4     "sipnosis": "Una comedia que narra las aventuras del artista Carlos Alcántara en su camin
                    Lima, sus años en la juventud y la relación con su madre.",
5     "Release_Year": 2020,
6     "get_num_roman": "MMXX",
7     "language": "Spanish",
8     "genre": "SciFi",
9     "top": "https://netflixapis.herokuapp.com/media/movies/asumare2.jfif"
10  },
11  {
12    "title": "Av Larco",
13    "sipnosis": "Documental sobre el origen e historia de la banda frágil, imágenes de concie
                    de la agrupación de boca de sus propios protagonistas.",
14    "Release Year": 2019,
```

No authentication is required

b. API Persons: https://netflixapis.herokuapp.com/List_All_Persons/

The screenshot shows a REST client interface. At the top, a dropdown menu is set to 'GET' and the URL is 'https://netflixapis.herokuapp.com/List_All_Persons/'. Below this, there are tabs for 'Params', 'Authorization', 'Headers (6)', 'Body', 'Pre-request Script', 'Tests', and 'Settings'. The 'Body' tab is selected and highlighted with a red underline. Within the 'Body' tab, there are sub-tabs: 'Body', 'Cookies', 'Headers (10)', and 'Test Results'. The 'Body' sub-tab is also highlighted with a red underline. Below these sub-tabs, there are buttons for 'Pretty', 'Raw', 'Preview', and 'Visualize', followed by a 'JSON' dropdown and a refresh icon. The main area displays the JSON response in a code editor with line numbers 1 through 15. The response is a JSON array containing two objects, each representing a person with fields for lastname, firstname, aliases, type_name, and photo.

```
1  {
2    {
3      "lastname": "Alfred",
4      "firstname": "Hitchcok",
5      "aliases": "zoli",
6      "type_name": "Director",
7      "photo": "https://netflixapis.herokuapp.com/media/person/alfredhitchcok.jfif"
8    },
9    {
10     "lastname": "Aldo",
11     "firstname": "Miyashiro",
12     "aliases": "el chino",
13     "type_name": "Actor_Actress",
14     "photo": "https://netflixapis.herokuapp.com/media/person/aldomiyashiro.jfif"
15   },
16 }
```

2. Movie documents must include references or full documents to persons in their different roles

No authentication is required

- a. API_Persons_Movies : https://netflixapis.herokuapp.com/List_Persons_Movies/

The screenshot shows a REST client interface with a GET request to `https://netflixapis.herokuapp.com/List_Persons_Movies/`. The response is displayed in JSON format, showing a list of movie documents. The first document is for Alfred Hitchcock, with a reference to a movie document.

```
1 {
2   {
3     "lastname": "Alfred",
4     "firstname": "Hitchcok",
5     "aliases": "zoli",
6     "photo": "https://netflixapis.herokuapp.com/media/person/alfredhitchcok.jfif",
7     "actor_actress": [
8       {
9         "title": "La Hora Final",
10        "sipnosis": "La historia de la \"Operaci3n Victoria\", programada y dirigida por el
11        para investigar a la alta jerarquía del grupo terrorista Sendero Luminoso.",
12        "Release_Year": 2017,
13        "get_num_roman": "MMXVII",
14        "language": "Usa",
15        "genre": "Action"
```

3. Person documents must include references or full documents to movies in the different roles the Person has.

No authentication is required

a. API_Movies_Persons : https://netflixapis.herokuapp.com/List_Movies_Persons/

The screenshot shows a REST client interface with a GET request to `https://netflixapis.herokuapp.com/List_Movies_Persons/`. The response is displayed in JSON format, showing details for a movie titled "Asu Mare 2".

```
1 {
2   "title": "Asu Mare 2",
3   "sipnosis": "Una comedia que narra las aventuras del artista Carlos Alcántara en su camino
4     Lima, sus años en la juventud y la relación con su madre.",
5   "Release_Year": 2020,
6   "get_num_roman": "MMXX",
7   "language": "Spanish",
8   "genre": "SciFi",
9   "top": "https://netflixapis.herokuapp.com/media/movies/asumare2.jfif",
10  "Actor_Actress": [
11    {
12      "lastname": "Aldo",
13      "firstname": "Miyashiro",
14      "aliases": "el chino",
15      "type_name": "Actor_Actress",
16      "photo": "https://netflixapis.herokuapp.com/media/persons/aldomiyashiro-1f1f"
```

4. Unsafe methods are only available to authenticated users.

No authentication is required

- a. API_Register_User : https://netflixapis.herokuapp.com/Register_New_User/

PARAMETER INPUT	TYPE	SIZE
username	VARCHAR	12
email	VARCHAR	20
password	VARCHAR	20
first_name	VARCHAR	60
last_name	VARCHAR	80

POST

https://netflixapis.herokuapp.com/Register_New_User/

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

☐ none

☐ form-data

☒ x-www-form-urlencoded

☐ raw

☐ binary

☐ GraphQL

	KEY	VALUE
<input checked="" type="checkbox"/>	username	Armando
<input checked="" type="checkbox"/>	email	aruiz@gmail.com
<input checked="" type="checkbox"/>	password	rioazulq13
<input checked="" type="checkbox"/>	first_name	Armando
<input checked="" type="checkbox"/>	last_name	Ruiz Rebollar

Body

Cookies

Headers (10)

Test Results

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"detail": "User successfully created ok token876001d4548c5f37860ece08047cce09d37240c8"

3

}

PARAMETER OUTPUT

TOKEN USER FOR AUTHENTICATED

5. Unsafe methods are only available to authenticated users.

No authentication is required

a. API_Login_User : <https://netflixapis.herokuapp.com/Login/>

PARAMETER INPUT	TYPE	SIZE
username	VARCHAR	12
password	VARCHAR	20

POST

https://netflixapis.herokuapp.com/Login/

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

☐ none

☐ form-data

☒ x-www-form-urlencoded

☐ raw

☐ binary

☐ GraphQL

	KEY	VALUE
<input checked="" type="checkbox"/>	username	Armando
<input checked="" type="checkbox"/>	password	rioazulq13

Body

Cookies

Headers (10)

Test Results

Pretty

Raw

Preview

Visualize

JSON


```
1 {
2   "nombre": "Armando",
3   "apellido": "Ruiz Rebolgar",
4   "token": "876001d4548c5f37860ece08047cce09d37240c8"
5 }
```

6. Crud Movies.

Authentication is required

METHOD	API
GET	https://netflixapis.herokuapp.com/apis/full_movies/
POST	https://netflixapis.herokuapp.com/apis/full_movies/
PUT	https://netflixapis.herokuapp.com/apis/full_movies/
DELETE	https://netflixapis.herokuapp.com/apis/full_movies/

PARAMETER INPUT	VALUE	
Authorization	token 876001d4548c5f37860ece08047cce09d37240c8	
	TYPE	EXAMPLE
title	VARCHAR	TINTA ROJA
sipnosis	TEXT	XXXXXXXXXX
Release_Year	INT	2002
language	VARCHAR	USA
genre	VARCHAR	HORROR
Actor_Actress	INT	1
Director	INT	1
Producer	INT	1


POST  https://netflixapis.herokuapp.com/apis/full_movies/

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings

☐ none ☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

<input checked="" type="checkbox"/>	title	TINTA ROJA
<input checked="" type="checkbox"/>	sipnosis	TINTA ROJA ES UNA PELICULAR PERUANA
<input checked="" type="checkbox"/>	Release_Year	2019
<input checked="" type="checkbox"/>	language	usa

body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON 

```

1 {
2   "title": "TINTA ROJA",
3   "sipnosis": "TINTA ROJA ES UNA PELICULAR PERUANA",
4   "Release_Year": 2019

```

7. Crud Persons.

Authentication is required

METHOD	API
GET	https://netflixapis.herokuapp.com/apis/full_persons/
POST	https://netflixapis.herokuapp.com/apis/full_persons/
PUT	https://netflixapis.herokuapp.com/apis/full_persons/
DELETE	https://netflixapis.herokuapp.com/apis/full_persons/

PARAMETER INPUT	VALUE	
Authorization	token 876001d4548c5f37860ece08047cce09d37240c8	
	TYPE	EXAMPLE
lastname	VARCHAR	STEVEN
firstname	TEXT	SEGAL
aliases	VARCHAR	STEVEN
typepersona	INT	1

POST ▼ https://netflixapis.herokuapp.com/apis/full_persons/

Params ● Authorization Headers (9) Body ● Pre-request Script Tests Settings

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


☒ firstname Segal

☒ aliases Steven

☒ typepersona 1

Key Value

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON ▼ 

```
1 {
2   "lastname": "Steven",
3   "firstname": "Segal",
4   "aliases": "Steven",
5   "typepersona": 1
6 }
```


8. Movie documents must include the Release Year in roman numerals. This field should not be stored in the DB, just calculated on the fly.

```
GET https://netflixapis.herokuapp.com/List_All_Movies/

Params Authorization Headers (6) Body Pre-request Script Tests Settings
ody Cookies Headers (10) Test Results
Pretty Raw Preview Visualize JSON
1 {
2   {
3     "title": "Asu Mare 2",
4     "sipnosis": "Una comedia que narra las aventuras del artista Carlos Alcántara en su camino hacia la fam
5       Lima, sus años en la juventud y la relación con su madre.",
6     "Release_Year": 2020,
7     "get_num_roman": "MMXX",
8     "language": "Spanish",
9     "genre": "SciFi",
10    "top": "https://netflixapis.herokuapp.com/media/movies/asumare2.jfif"
11  },
12  {
13    "title": "Av Larco",
14    "sipnosis": "Documental sobre el origen e historia de la banda frágil, imágenes de conciertos acompañad
15      de la agrupación de boca de sus propios protagonistas.",
16    "Release_Year": 2019,
17    "get_num_roman": "MMXIX"
```

9. The apis can be consumed from the REACT Framework, the COREs are unlocked