**Search4**

**API Documentation**

**USERS**

* **Return** **all** currently active users on Search4:

HTTP Method: GET

URL: {Base API URL}/users

Example: http://localhost:8080/Search4/api/v1/users

Returns: JSON List of users

* **Return** **one** user from Search4 based on **id** number:

HTTP Method: GET

URL: {Base API URL}/users/{id}

Example: http://localhost:8080/Search4/api/v1/users/1

Returns: JSON user

* Add a **new** **user** to Search4:

HTTP Method: POST

URL: {Base API URL}/users

Example: http://localhost:8080/Search4/api/v1/users

HEADER INFO: Content-Type = application/json

JSON BODY: {

"firstName" : "John",

"lastName" : "Doe",

"email" : "johndoe@alive.com",

"password" : "password4Me"

}

Limitations: **firstName** must be less than or equal to 255 characters

**lastName** **not required**

**email** must be a new (unique) email adress and less than or equal to 255 characters

**password** must be 4 or more characters

Returns: JSON user

* **Edit/update** an existing **user** registered to Search4:

this API can only update a user's first name, last name and/or email address and requires valid login information (old email and correct password)

HTTP Method: PUT

URL: {Base API URL}/users/{id}

Example: http://localhost:8080/Search4/api/v1/users/1

HEADER INFO: Content-Type = application/json

JSON BODY: {

"email" : "johndoe@alive.com",

"password" : "password4Me",

"firstName" : "Johnny",

"lastName" : "Doeson",

"updatedEmail" : "johnnydoeson@gmail.com"

}

Limitations: **email** must be the old email address

**password** must be the correct password

**firstName** **not** **required** - must be less than or equal to 255 characters.

**lastName** **not** **required**

**updatedEmail** **not** **required** - must be must be a new (unique) email adress and less than or equal to 255 characters

Returns: Transaction Information

* **Delete** **one** user from Search4 based on **id** number:

HTTP Method: DELETE

URL: {Base API URL}/users/{id}

Example: http://localhost:8080/Search4/api/v1/users/1

Returns: Transaction Information

* **Return** **all providers** saved for one user from Search4 based on **user** **id** number:

HTTP Method: GET

URL: {Base API URL}/users/{id}/providers

Example: http://localhost:8080/Search4/api/v1/users/1/providers

Returns: JSON List of providers

* **Return** **all subscriptions** saved for one user from Search4 based on **user** **id** number:

HTTP Method: GET

URL: {Base API URL}/users/{id}/subscriptions

Example: http://localhost:8080/Search4/api/v1/users/1/subscriptions

Returns: JSON List of subscriptions

**Movies**

* **Return** **one** movie from Search4 based on **id** number:

HTTP Method: GET

URL: {Base API URL}/movies/{id}

Example: http://localhost:8080/Search4/api/v1/movies/1

Returns: JSON movie

* **Return** **all** movies on Search4:

HTTP Method: GET

URL: {Base API URL}/getallmovies

Example: http://localhost:8080/Search4/api/v1/getallmovies

Returns: JSON List of movies

* **Return** list ofmovies from Search4 based on search **value** in an **ascending title** order

HTTP Method: GET

URL: {Base API URL}/movies/title/asc/{value}

Example: http://localhost:8080/Search4/api/v1/movies/title/asc/cowboys

Returns: JSON list of movies

* **Return** list ofmovies from Search4 based on search **value** in a **descending title** order

HTTP Method: GET

URL: {Base API URL}/movies/title/desc/{value}

Example: http://localhost:8080/Search4/api/v1/movies/title/desc/cowboys

Returns: JSON list of movies

* **Return** list ofmovies from Search4 based on search **value** in an **ascending date** order

HTTP Method: GET

URL: {Base API URL}/movies/date/asc/{value}

Example: http://localhost:8080/Search4/api/v1/movies/date/asc/cowboys

Returns: JSON list of movies

* **Return** list ofmovies from Search4 based on search **value** in a **descending date** order

HTTP Method: GET

URL: {Base API URL}/movies/date/desc/{value}

Example: http://localhost:8080/Search4/api/v1/movies/date/desc/cowboys

Returns: JSON list of movies

# SUBSCRIPTIONS

## Return a Subscription using Subscription ID

HTTP Method: GET

URL: {Base API URL}/subscriptions/{id}

Example: http://localhost:8080/Search4/api/v1/subscriptions/3

Returns: JSON Subscription

## Return all Subscriptions for a User using user ID

HTTP Method: GET

URL: {Base API URL}/subscriptions/user/{id}

Example: http://localhost:8080/Search4/api/v1/subscriptions/user/1

Returns: JSON List of Subscriptions

## Return all Subscriptions related to a Movie using movie ID

HTTP Method: GET

URL: {Base API URL}/subscriptions/movie/{id}

Example: http://localhost:8080/Search4/api/v1/subscriptions/movie/

Returns: JSON List of Users

## Return all Subscriptions

HTTP Method: GET

URL: {Base API URL}/subscriptions/

Example: http://localhost:8080/Search4/api/v1/subscriptions/

Returns: JSON List of all Subscriptions

## Add a Subscription

HTTP Method: POST

URL: {Base API URL}/subscriptions/

Example: http://localhost:8080/Search4/api/v1/subscriptions

HEADER INFO: Content-Type = application/json

JSON BODY: {

"movieId" : "453",

"userId" : "12"

}

Returns: JSON Subscription

## Delete a Subscription

HTTP Method: DELETE

URL: {Base API URL}/subscriptions/{id}

Example: http://localhost:8080/Search4/api/v1/subscriptions/1

Returns: Transaction Information

**Providers**

* **Return all** providers from Search4:

HTTP Method: GET

URL: {Base API URL}/providers

Example: <http://localhost:8080/Search4/api/v1/providers>

Returns: JSON list of providers

* **Return one** provider by provider id from Search4:

HTTP Method: GET

URL: {Base API URL}/providers/providerid/{id}

Example: <http://localhost:8080/Search4/api/v1/providers>/providerid/1

Returns: JSON provider

* **Return all** providers for one user by user id from Search4:

HTTP Method: GET

URL: {Base API URL}/providers/userid/{id}

Example: <http://localhost:8080/Search4/api/v1/providers>/userid/1

Returns: JSON list of providers

* **Add a new provider** with userid to Search4:

HTTP Method: POST

URL: {Base API URL}/providers/{id}

Example: <http://localhost:8080/Search4/api/v1/providers/1>

HEADER INFO: Content-Type = application/json

JSON BODY:

{

”name”: ”providerName”

}

Returns: JSON provider

* **Delete a provider** with provider id from Search4:

HTTP Method: DELETE

URL: {Base API URL}/providers/{id}

Example: <http://localhost:8080/Search4/api/v1/providers/1>

HEADER INFO: Content-Type = application/json

JSON BODY:

{

”name”: ”providerName”

}

Returns: Transaction information