### **Additional Notes**

### 1. General

- a. We have a crontab used to run daily services to check if any payments are due. This is set up in cron.py.
- b. All data is stored in our database, except the full credit card information, because that is sensitive data. We rely on Stripe to store that information and we hold a reference to the Stripe payment method.
- c. How to use postman collection
  - i. Import the collection
  - ii. Create an environment with two variables: **url** (localhost:8000 or any base url that you are using) and **token** (set the value of this token after you register. A token will be returned in the response. Note that if you logout, you would have to login and change the token set here).

### 2. Admin related

a. An admin (superuser) is created in the run.sh script. Use "admin@mail.com" as email and "password" as password to log in to the administrative panel.

### 3. Card information related

- a. We have integrated Stripe to handle payments and for this submission, we are using the test API keys from Stripe. Hence, in order for credit card number to be successfully registered, a number that is accepted by the Stripe testing environment must be used. This link (<a href="https://stripe.com/docs/testing#cards">https://stripe.com/docs/testing#cards</a>) provides a list of accepted card numbers.
- b. We only allow users to have one card registered with our application at any time, so your previous card information will be replaced upon update.

### 4. Subscription endpoints related

a. We offer two types of subscriptions: monthly and yearly. For any subscription models returns, if "plan" is 0, it is a monthly subscription. If "plan" is 1, it is a yearly subscription.

### 5. Class endpoints related

- a. When filtering classes, inputting a start\_time means finding classes that start after start\_time, not at that particular time. Similarly, if end\_time is given, classes that end before that time will be filtered.
- b. In responses of the class endpoints that return UserClassInstance models, the three possible values of the status field has these meanings:
  - i. 0: Attended (User has attended this class on that particular date)
  - ii. 1: Dropped (User has dropped this class)
  - iii. 2: Cancelled (User has cancelled this instance of the class)
- c. List of possible error codes for class endpoints (for developers' usage):
  - /api/studios/classes/<class id>/enrol/
    - o error\_code: 0
      - Class has been canceled; Unable to enroll
    - error code: 1
      - User is already enrolled in class; Unable to enroll
    - error\_code: 2
      - Class is already full, maximum capacity has been reached; Unable to enroll
    - o error code: 3
      - User does not have a subscription; Unable to enroll

- /api/studios/classes/<class id>/drop/
  - error\_code: 0
    - Class has been canceled; Unable to drop
  - o error code: 1
    - User has not enrolled in this class; Unable to drop
  - o error\_code: 2
    - User has already dropped this class or class instance; Unable to drop
  - error\_code: 3
    - User does not have a subscription; Unable to drop
- 6. Clarification on Class Models in the Admin panel:
  - **a. StudioClass** model is where we define the class and its recurring date and time. To change the recurring time for a class, admin can modify the corresponding fields in this model. To cancel the class (all future occurrences), admin will need to set it in this model as well.
  - b. CancelledClassInstance model is where the admin can cancel a single instance of a class. Admin will have to select the class to cancel, and specify the date of the instance of the class to cancel.
  - c. **TimeChangedClassInstance** model is where the admin can change the start time and end time that would be different to the recurring time of the class. Admin will have to select the class to change the time for, and specify the date of the instance of the class to change.



# Snippets API \*1

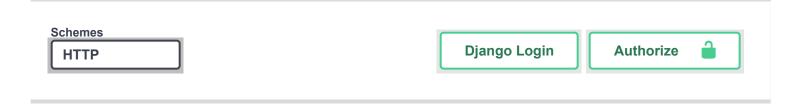
[ Base URL: localhost:8002/api ] http://localhost:8002/swagger/?format=openapi

Test description

Terms of service

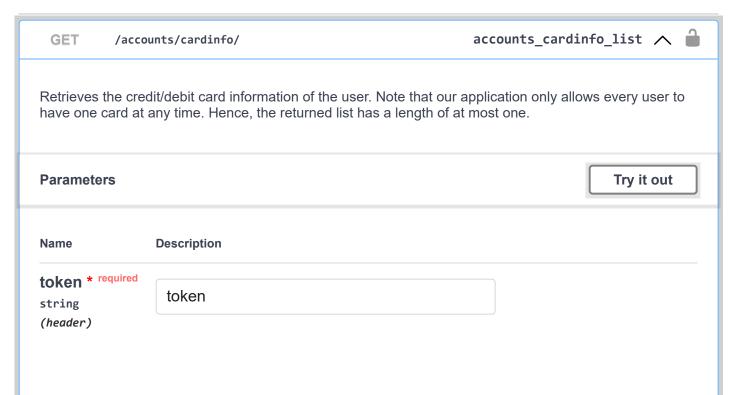
Contact the developer

**BSD** License



Filter by tag

## accounts



application/json

### Code

**Description** 

200

Card information retrieved.

### **Example Value**

```
[
    "last4": "4242",
   "exp_month": 10,
   "exp_year": 2040
1
```

401

Token not provided, or token is invalid.

### **Example Value**

```
"detail": "Invalid token header. No credentials provided."
```

### **PUT**

/accounts/cardinfo/

accounts cardinfo update  $\wedge$ 



Removes the previous the credit/debit card if it exists and adds a new one to the user. Note: We have integrated Stripe to handle payments and for this submission, we are using the test API keys from Stripe. Hence, in order for credit card number to be successfully registered, a number that is accepted by the Stripe testing environment must be used. See this link (https://stripe.com/docs/testing#cards) for a list of accepted card number.

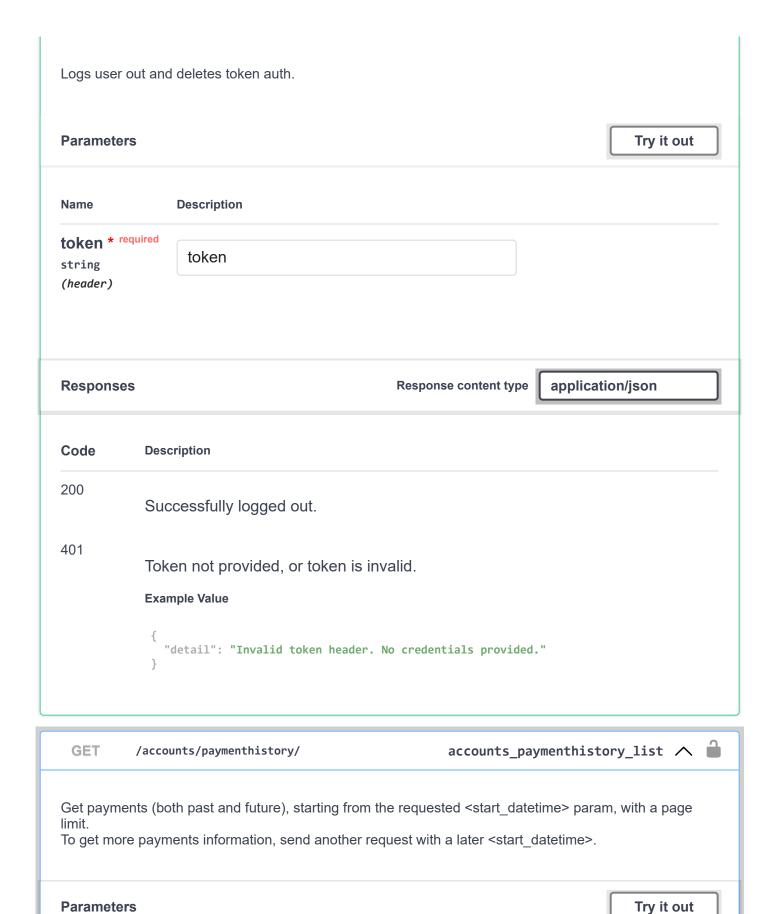
### **Parameters**

Try it out

Name

Name **Description** data \* required Example Value Model object (body) "number": "string", "exp\_month": 0, "exp\_year": 0,
"cvc": "string" Parameter content type application/json token \* required token string (header) application/json Responses Response content type Code **Description** 204 Card is updated successfully. 400 Invalid card details. **Example Value** "message": "Invalid credentials" 401 Token not provided, or token is invalid. **Example Value** "detail": "Invalid token header. No credentials provided."

Authenticates user and returns a token if successful. Try it out **Parameters** Name Description data \* required Example Value Model object (body) "email": "string", "password": "string" Parameter content type application/json application/json Responses Response content type Code **Description** 200 Successfully logged in. **Example Value** "token": "e7c48016072c8abf89b52996409bbb568b6e110a" 401 Invalid credentials. **Example Value** "message": "Invalid credentials"



**Description** 

Name

token \* required
string
(header)

start\_datetime
string
(query)

Responses

Response content type

application/json

Code Description

200

Payments information returned.

**Example Value** 

```
"data": {
    "history": [
       "datetime": "2022-11-16T11:37:03.615750Z",
       "amount": "10.00",
       "last4": "5556",
       "exp_month": 10,
        "exp_year": 2023
      }
    "future": [
        "amount": 10,
        "last4": "4242",
        "exp_month": 10,
        "exp_year": 2040,
        "datetime": "2022-12-16T00:00:00"
    ]
}
```

400

Invalid datetime given.

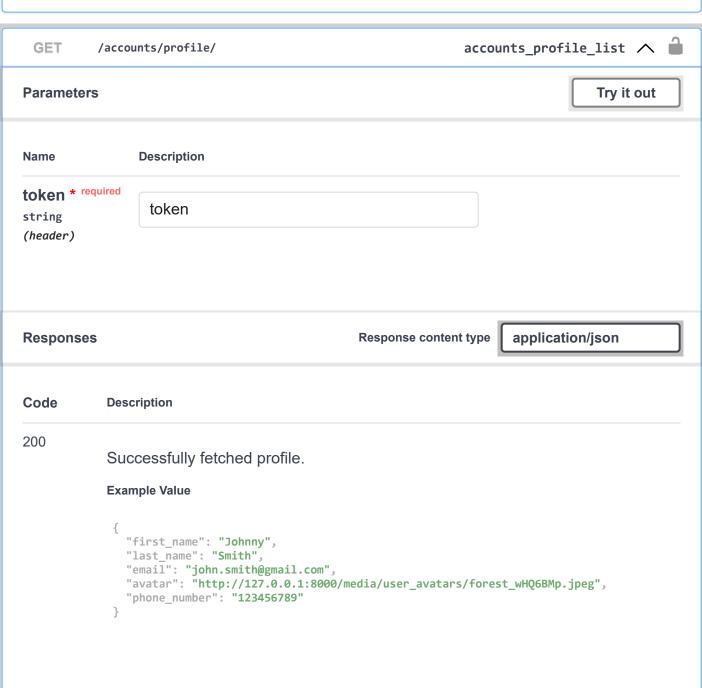
**Example Value** 

```
"start_datetime": "time data '2022-11-200:00' does not match format '%Y-%m-%dT%
H:%M:%S'"
}
```

```
Token not provided, or token is invalid.

Example Value

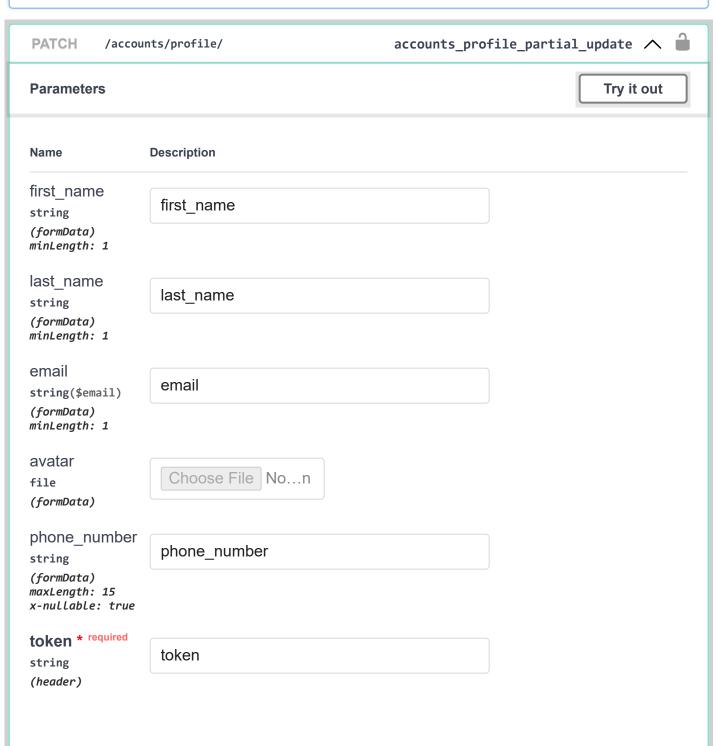
{
   "detail": "Invalid token header. No credentials provided."
}
```



```
Token not provided, or token is invalid.

Example Value

{
   "detail": "Invalid token header. No credentials provided."
}
```



application/json

### Code

**Description** 

200

Successfully updated user profile.

### **Example Value**

```
"first_name": "Johnny",
"last_name": "Smith",
"email": "john.smith@gmail.com",
"avatar": "http://127.0.0.1:8000/media/user_avatars/forest_wHQ6BMp.jpeg",
"phone_number": "123456789"
```

400

Bad request: Email has been taken or is invalid, password is too short, or first name/last name/password is empty.

### **Example Value**

```
"email": "User with this email already exists.",
 "password": "Password must be at least 8 characters.",
 "first_name": "First names can not be empty",
 "last_name": "Last names can not be empty"
}
```

401

Token not provided, or token is invalid.

### **Example Value**

```
"detail": "Invalid token header. No credentials provided."
```

**POST** /accounts/register/ accounts\_register\_create  $\wedge$ 



Registers a new user.

**Parameters** 

Try it out

Name

```
Name
                  Description
 data * required
                  Example Value Model
 object
  (body)
                     "first_name": "string",
"last_name": "string",
                     "email": "user@example.com",
                     "phone_number": "string",
                     "password": "string"
                  Parameter content type
                    application/json
 Responses
                                                       Response content type
                                                                               application/json
 Code
               Description
 201
               User created.
               Example Value
                  "first_name": "John",
                  "last_name": "Smith",
                  "email": "john.smith@gmail.com",
                  "phone_number": "123456789"
studios
 400
                                                              studios_classes_history_list \wedge 🔒
   GET
             /studios/classes/history/
               Example Value
 Retrieves clas {
                  "email": "User with this email already exists.",
                  "password": "Password must be at least 8 characters."
 Parameters
                                                                                            Try it out
                 Description
 Name
```

Name **Description** page A page number within the paginated result set. integer (query) page Response content type application/json Responses Code **Description** 200 Example Value Model "count": 0, "next": "string", "previous": "string", "results": [ "id": 0, "class\_name": "string", "start\_time": "string", "end\_time": "string", "date": "2022-11-17", "status": 0, "studio": 0, "studio\_class": 0 } 401 Token not provided, or token is invalid. **Example Value** "detail": "Invalid token header. No credentials provided."

**GET** /studios/classes/schedule/ studios\_classes\_schedule\_list 🔨 🔒



Retrieves class schedule for a user.

**Parameters** 

Try it out

Name **Description** page A page number within the paginated result set. integer (query) page token \* required token string (header) Responses Response content type application/json Code **Description** 200 Example Value Model "count": 0, "next": "string", "previous": "string", "results": [ "id": 0, "class\_name": "string", "start\_time": "string", "end\_time": "string", "date": "2022-11-17", "status": 0, "studio": 0, "studio\_class": 0 } 401 Token not provided, or token is invalid. **Example Value** "detail": "Invalid token header. No credentials provided."

Allows user to drop an instance of a class.

### **Parameters**

Try it out

```
Description
Name
data * required
                     Example Value Model
object
(body)
                        "date": "string"
                     Parameter content type
                       application/json
token * required
                       token
string
(header)
class_id * required
                       class_id
string
(path)
```

### Responses

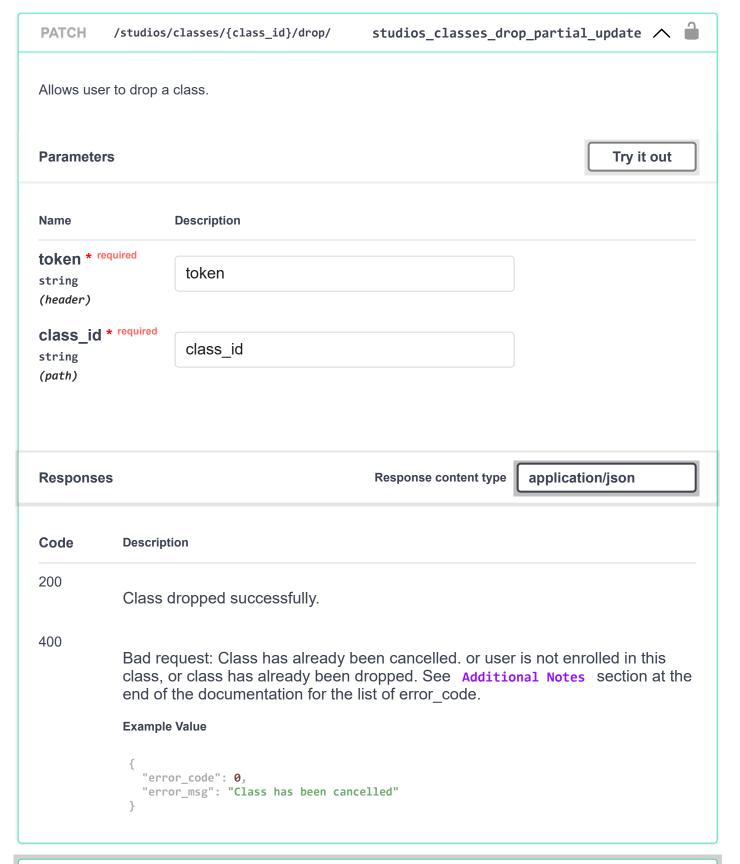
Response content type

application/json

# Code Description Class instance dropped successfully. Class instance dropped successfully. Bad request: Class has already been cancelled, or user is not enrolled in this class, or class has already been dropped. See Additional Notes section at the end of the documentation for the list of error\_code.

### **Example Value**

```
{
  "error_code": 0,
  "error_msg": "Class has been cancelled"
}
```







Studios must be listed based on geographic proximity from location parameter. Location is a latitude,longitude pair (e.g. 43.656997372,-79.390331772)

Studios can be filtered by name, amenities, class names, and coaches.

### **Parameters**

Try it out

Name	Description
page integer (query)	A page number within the paginated result set.
	page
coach string (query)	Coach Name
	coach
studio_name string (query)	studio_name
amenity string (query)	Name of the amenity
	amenity
<pre>class_name string (query)</pre>	class_name
location * required string (path)	location

Responses

Response content type

application/json

Code

200

Example Value Model

```
"count": 0,
"next": "string",
"previous": "string",
"results": [
    "id": 0,
"name": "string",
    "address": "string",
    "lat": 90,
    "lon": 180,
    "postal_code": "string",
"phone_number": "string",
    "images": [
         "id": 0,
         "studio_image": "string"
    ],
"amenities": [
      {
         "id": 0,
         "amenity_type": "string",
         "quantity": 0
    ],
"directions_url": "string"
```

404

Studio with the given id does not exist.

### **Example Value**

```
{
   "detail": "Not found."
}
```

GET /studios/{studio\_id}/ studios\_read △ ☐

Parameters Try it out

Name Description

studio\_id \* required string (path)

studio\_id \* studio\_id

application/json

### Code Description

200

Example Value Model

```
{
  "id": 0,
  "name": "string",
  "address": "string",
  "lat": 90,
  "postal_code": "string",
  "phone_number": "string",
  "images": [
      {
        "id": 0,
        "studio_image": "string"
      }
  ],
  "amenities": [
      {
        "id": 0,
        "amenity_type": "string",
        "quantity": 0
      }
  ],
  "directions_url": "string"
}
```

404

Studio with the given id does not exist.

### **Example Value**

```
{
  "detail": "Not found."
}
```

GET /studios/{studio\_id}/classes/

GET studio/api/studios/<studio\_id>/classes ist

studios\_classes\_l

\ i

,

Returns a list of classes for studio id, ordered by their start time from now.

Classes can be filtered by class name, coach name, date, and time range.

**Parameters** 

Try it out

Name

Name	Description
page integer (query)	A page number within the paginated result set.
	page
studio_id integer (query)	studio_id
class_name string (query)	class_name
coach string (query)	Coach Name
	coach
class_day string (query)	The day of the class - 0 for Monday, 1 for Tuesday, etc.
	class_day
start_time string (query)	The start time of the time range to filter - must be in HH:MM format
(4)	start_time
end_time string (query)	The end of the time range to filter - must be in HH:MM format
	end_time
Weeks integer (query)	The number of weeks from today to get classes for (Default 1)
(query)	weeks

```
Code
             Description
200
             Example Value Model
                "count": 0,
                 "next": "string",
                 "previous": "string",
                 "results": [
                     "date": "2022-11-17",
                     "start_time": "string",
                     "end_time": "string",
                     "studio_class": {
                       "id": 0,
                       "studio": 0,
                       "description": "string",
"class_name": "string",
                       "coach": "string",
                       "keywords": [
                           "id": 0,
                           "keyword": "string"
                       ],
"capacity": 0,
                       "day": 0
                ]
404
             Studio with the given id does not exist.
             Example Value
                "detail": "Not found."
```

# subscriptions

^

GET /subscriptions/

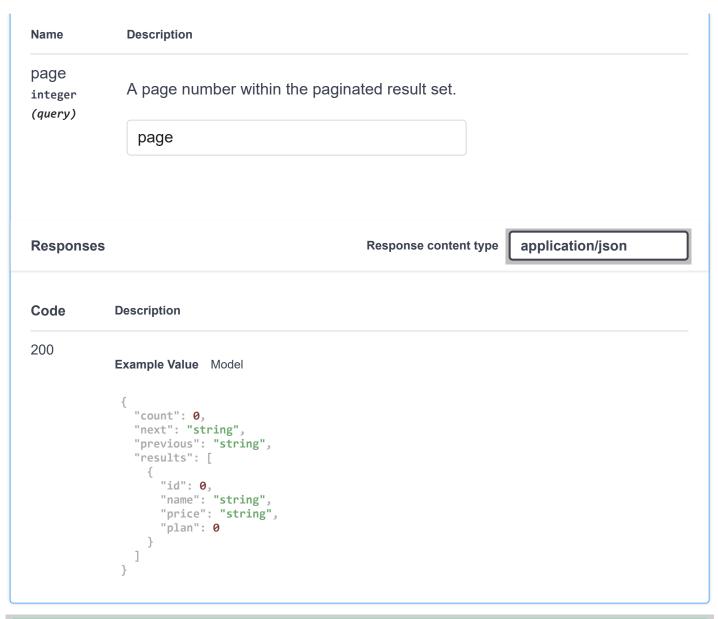
subscriptions\_list \rightarrow

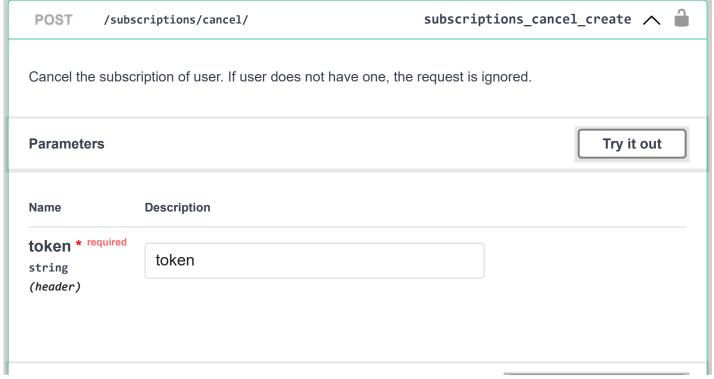


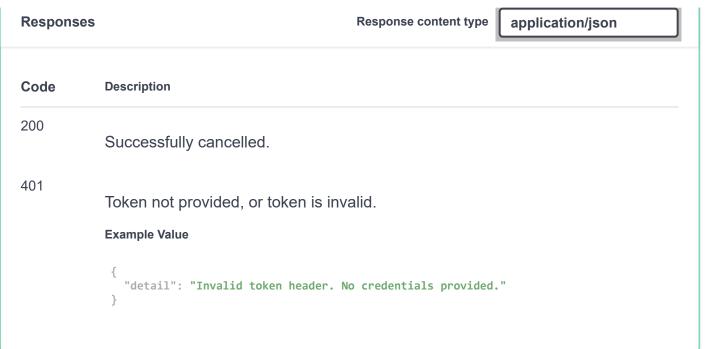
Get all subscriptions.

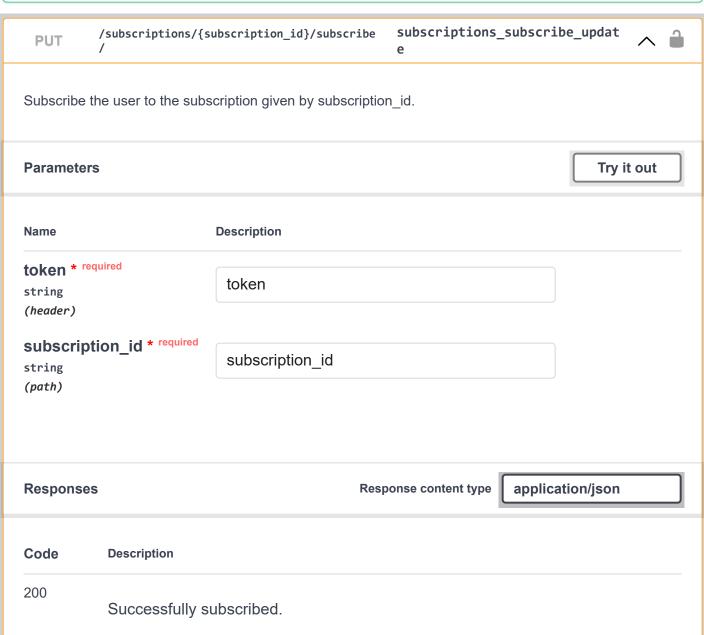
**Parameters** 

Try it out









Bad request: Subscription does not exist or user does not have a card set up.

Example Value

{
 "subscription\_id": "subscription with id 1 does not exist",
 "user": "User does not have a payment method set up"
}

Token not provided, or token is invalid.

Example Value

{
 "detail": "Invalid token header. No credentials provided."
}

# UserClassInstance StudioImage Amenity Studio

**Models** 

Keyword
StudioFilter
ClassInstance
Subscription