API Endpoints

Accounts

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Registration

POST http://127.0.0.1:8000/accounts/register/

Registers a user with username, first name, last name, email, phone number, avatar(optional). All fields are mandatory, except for avatar.

Payload
- username
- password
- first_name
- last_name
- email
- phone_num
- avatar

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Login

POST http://127.0.0.1:8000/accounts/login/

Logins a user with username and password. Returns an access token (to be used in subsequent calls) and refresh token.

Note: Set {{access_token}} in Authorization header as the given access token for all subsequent views.

Payload
- username
- password

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PATCH http://127.0.0.1:8000/accounts/changepassword/

Change password for user. Requires the user to enter the old password (password) and new password (password2). Authorization required.

Payload
- password
- password2

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View Profile

GET http://127.0.0.1:8000/accounts/profile/view/

Returns user's profile information, including first name, last name, email, phone number, and avatar. Authorization required.

HEADERS
Authorization: Bearer {{access token}}

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Edit Profile

PATCH http://127.0.0.1:8000/accounts/profile/edit/

Allows user to edit any field of their profile, including first name, last name, email, phone number, and avatar. Authorization required.

Note: Only include fields to change in the payload. Keys with empty values not allowed.

HEADERS
Authorization: Bearer {{access token}}

Payload
- first_name
- last_name
- email

- phone_num
- avatar

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POST http://127.0.0.1:8000/accounts/logout/

Logs out user by deleting the refresh token. Authorization required.

HEADERS
Authorization: Bearer {{access token}}

Payload
- refresh

Studios & Classes
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GET http://127.0.0.1:8000/studio/sortby/currlocation/

Returns a list of studio objects based on proximity to user's current location. Authorization required.

HEADERS
Authorization: Bearer {{access token}}

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GET http://127.0.0.1:8000/studio/sortby/point/

Returns a list of studio objects based on a geographical point. Studios are sorted by proximity (closest listed first). Authorization required.

HEADERS
Authorization: Bearer {{access token}}

Payload
- latitude
- longitude

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GET http://127.0.0.1:8000/studio/sortby/postcode/

Returns a list of studio objects based on proximity to a given post code. Authorization required.

HEADERS
Authorization: Bearer {{access token}}

Payload
- post_code

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Get Studio Details

GET http://127.0.0.1:8000/studio/{{studio_num}}/details/

Returns studio details for given studio id (e.g. details for studio 5). Authorization required

HEADERS
Authorization: Bearer {{access token}}

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Get Studio Classes

GET http://127.0.0.1:8000/studio/{{studio_num}}/classes

Returns all the class instances in a studio for given studio id (e.g. classes for studio 5). Classes are sorted based on their start time (past and canceled classes are not included). Authorization required

HEADERS
Authorization: Bearer {{access token}}

Enroll In Class Instance

POST http://127.0.0.1:8000/class/{{class_num}}/enrol

Enroll in any of the currently available class instances for some class (e.g. an instance from class 2). Authorization required.

HEADERS
Authorization: Bearer {{access token}}

Payload
- enrolled_time

Note: enrolled_time is the id of the class instance, e.e 242

Enroll In All Class Instances

POST http://127.0.0.1:8000/class/{{class_num}}/enrol/all

Enroll in all of the currently available class instances for some class (e.g. instances for class 2). Authorization required.

HEADERS
Authorization: Bearer {{access token}}

Drop Class Instance

POST http://127.0.0.1:8000/class/{{class_num}}/drop

Drop any of the currently enrolled class instances for some class (e.g. an instance from class 2). Authorization required.

HEADERS
Authorization: Bearer {{access token}}

Payload
- enrolled_time

Note: enrolled_time is the id of the class instance, e.g. 242

POST http://127.0.0.1:8000/class/{{class_num}}/drop/all

Drop all of the currently enrolled class instances for some class (e.g. instances for class 2). Authorization required.

HEADERS
Authorization: Bearer {{access token}}

Class Schedule

GET http://127.0.0.1:8000/class/schedule

Returns the user's schedule, i.e., all the class instances the user is currently enrolled in .

HEADERS
Authorization: Bearer {{access token}}

Class History

GET http://127.0.0.1:8000/class/history

Returns the user's history, i.e., all the class instances the user enrolled in in the past.

HEADERS
Authorization: Bearer {{access token}}

GET http://127.0.0.1:8000/studio/filter

Filter the available studios based on one or more of the given input query parameters (eg. http://127.0.0.1:8000/studio/filter/?studio_name=UStudio&amenity=Pool&class_name=Yoga&coach=Bob

HEADERS
Authorization: Bearer {{access token}}

PARAMS
- studio_name
- amenity
- class_name
- coach

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Filter Studio Class Schedule

GET http://127.0.0.1:8000/studio/{{class_num}}/classes/filter

Filter the available class instances for a studio based on one or more of the given input query parameters (eg. http://127.0.0.1:8000/studio/5/classes/filter/?class_name=Yoga&coach=Bob&date=2022-01-01&start_time=07:00:00&end_time=08:00:00)

HEADERS
Authorization: Bearer {{access token}}

PARAMS
- class_name
- coach
- date (YYYY-MM-DD)
- start_time (HH:MM:SS)
- end_time (HH:MM:SS)

_____

Subscriptions

POST http://127.0.0.1:8000/subscriptions/subscribe/

Subscribes the user to a unique membership plan. Authorization required.

HEADERS
Authorization: Bearer {{access token}}

Payload
- membership
- card_num
- card_expiry_month
- card_expiry_year
- card_cvv

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Update Card Information

PUT http://127.0.0.1:8000/subscriptions/card/edit/

Updates the card information for the payment method. Authorization and subscription required.

HEADERS
Authorization: Bearer {{access token}}

Payload
- card_num
- card_expiry_month
- card_expiry_year
- card_cvv

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View Payment History

GET http://127.0.0.1:8000/subscriptions/payments/history/

Displays a list of past payments for the user. Authorization required.

HEADERS
Authorization: Bearer {{access token}}

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View Future Payments

GET http://127.0.0.1:8000/subscriptions/payments/future/

Displays the next payment for a user. Authorization required.

HEADERS
Authorization: Bearer {{access token}}

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Cancel Subscription

DELETE http://127.0.0.1:8000/subscriptions/cancel/

Cancels the membership for a user. Authorization and current subscription required.

HEADERS
Authorization: Bearer {{access token}}

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Update Subscription

PUT http://127.0.0.1:8000/subscriptions/edit/

Updates the membership for a user. Authorization and current subscription required.

HEADERS
Authorization: Bearer {{access token}}

Payload
- membership

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Design of Models

UserProfile
- Username
- First_name
- Last_name
- Password
- Password2
- Email
- Avatar
- phone_num

Studio
- Name
- phone_num

One to one relationship

Location
- **Studio**
- Address
- Post_code
- City
- Longitude
- Latitude
- Directions
- Distance

UserProfile

Foreign key

Enrollments
- **Enrolled user**
- **Enrolled_time**
- **enrolled_class**

Foreign key

Foreign key

Foreign key

Foreign key

Foreign key

Photo
- **Studio**
- Photo

Times
- Class_date
- Start_time
- End_time
- Last_class_date
- Frequency
- Cancel
- **Time_class**
- capacity

Foreign key

Classes
- Name
- Description
- Coach
- Capacity
- Cancel
- **Studio**

Foreign key

Amenities
- **Studio**
- Type
- Quantity

Keywords
- Word
- **keyword_class**

Foreign key

Membership

- Membership
- Price

Foreign key

User Membership

- User
- Membership
- Subscription_date
- Card

Foreign Key

CardInfo

- Card_num
- Card_expiry_year
- Card_expiry_month
- card_cvv

Foreign key

Foreign key

UserProfile

Foreign key

PaymentInfo

- User
- Amount
- Date
- Card_num