



http://localhost:8000

Explore

# CSC309 TFC Project Backend <sup>v1</sup>

[ Base URL: localhost:8000/ ]

<http://localhost:8000/swagger/?format=openapi>

Built by Letian Cheng, Nathan Hansen, Edward Leung

## Schemes

HTTP

Django Login

Authorize



Filter by tag

## accounts

**POST** /accounts/api/token/refresh/

accounts\_api\_token\_refresh\_create



Takes a refresh type JSON web token and returns an access type JSON web token if the refresh token is valid.

### Parameters

Try it out

#### Name

#### Description

**data** \* requiredobject  
(body)

Example Value

Model

**TokenRefresh**

refresh\*

{

```
string
title: Refresh
minLength: 1
```

}

### Responses

Response content type

application/json

Code	Description
201	Example Value <b>Model</b>
	<b>TokenRefresh</b> { refresh* string title: Refresh minLength: 1 access string title: Access readOnly: true minLength: 1 }

<b>POST</b>	/accounts/login/	accounts_login_create ^
Takes a set of user credentials and returns an access and refresh JSON web token pair to prove the authentication of those credentials.		
<b>Parameters</b>		<a href="#">Try it out</a>
<b>Name</b>	<b>Description</b>	
<b>data</b> * required object (body)	Example Value <b>Model</b>	
	<b>TokenObtainPair</b> { username* string title: Username minLength: 1 password* string title: Password minLength: 1 }	
<b>Responses</b>		Response content type <a href="#">application/json</a>
<b>Code</b>	<b>Description</b>	
201	Example Value <b>Model</b>	
	<b>TokenObtainPair</b> { username* string title: Username minLength: 1 password* string title: Password minLength: 1 }	

<b>POST</b>	/accounts/signup/	accounts_signup_create ^
Allows a user to register on the website.		

**Parameters**

Try it out

No parameters

**Responses**

Response content type

application/json

Code	Description
201	

**PUT** /accounts/update/ accounts\_update\_update ^ 🔒

Allows a user to update their account details.

**Parameters**

Try it out

Name	Description
<b>data</b> * required	
object (body)	Example Value <b>Model</b>
	<b>Account</b> {
	username* string
	title: Username
	pattern: ^[\w. @+ -]+\$
	maxLength: 150
	minLength: 1
	Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.
	first_name string
	title: First name
	maxLength: 150
	last_name string
	title: Last name
	maxLength: 150
	email string(email)
	title: Email address
	maxLength: 254
	phone_number string
	title: Phone number
	pattern: ^\+?1?[0-9]{9,15}\$
	maxLength: 250
	x-nullable: true
	}

**Responses**

Response content type

application/json

Code	Description
200	Example Value <b>Model</b>

Code	Description
<b>Account</b> { username*  first_name  last_name  email  avatar  phone_number  }	<pre>string title: Username pattern: ^[\w.@+-]+\$ maxLength: 150 minLength: 1  string title: First name maxLength: 150  string title: Last name maxLength: 150  string(\$email) title: Email address maxLength: 254  string(\$uri) title: Avatar readOnly: true x-nullable: true  string title: Phone number pattern: ^\+?1?\d{9,15}\$ maxLength: 250 x-nullable: true</pre> <p>Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.</p>

PATCH /accounts/update/		accounts_update_partial_update ^
Allows a user to update their account details.		
Parameters		Try it out
Name	Description	
<b>data</b> * required		
object (body)	<div>Example Value</div> <div>Model</div> <pre><b>Account</b> {   username*    first_name    last_name    email    phone_number }</pre> <pre>string title: Username pattern: ^[\w.@+-]+\$ maxLength: 150 minLength: 1  string title: First name maxLength: 150  string title: Last name maxLength: 150  string(\$email) title: Email address maxLength: 254  string title: Phone number pattern: ^\+?1?\d{9,15}\$ maxLength: 250 x-nullable: true</pre> <p>Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.</p>	
Responses		Response content type application/json

Code	Description
200	Example Value <b>Model</b>
	<pre><b>Account</b> {   username* <i>string</i>     <i>title: Username</i>     <i>pattern: ^[\w.+-]+\$</i>     <i>maxLength: 150</i>     <i>minLength: 1</i>      Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.    first_name <i>string</i>     <i>title: First name</i>     <i>maxLength: 150</i>   last_name <i>string</i>     <i>title: Last name</i>     <i>maxLength: 150</i>   email <i>string(\$email)</i>     <i>title: Email address</i>     <i>maxLength: 254</i>   avatar <i>string(\$uri)</i>     <i>title: Avatar</i>     <i>readOnly: true</i>     <i>x-nullable: true</i>   phone_number <i>string</i>     <i>title: Phone number</i>     <i>pattern: ^\+?1?\d{9,15}\$</i>     <i>maxLength: 250</i>     <i>x-nullable: true</i> }</pre>

<b>GET</b>	/accounts/{account_id}/	accounts_read ^
View a given account.		
<b>Parameters</b>		<a href="#">Try it out</a>
<b>Name</b>	<b>Description</b>	
<b>account_id</b> * required string (path)	<input type="text" value="account_id"/>	
<b>Responses</b>		Response content type <input type="text" value="application/json"/>
<b>Code</b>	<b>Description</b>	
200	Example Value <b>Model</b>	
<b>classes</b>		^
<b>POST</b>	/classes/modify/	classes_modify_create ^
Allows a user to enrol or drop a class.		
<b>Parameters</b>		<a href="#">Try it out</a>

No parameters

**Account****Responses**

Response content type

application/json

Code	Description
201	

maxLength: 150

**GET**

/classes/{studio\_id}/schedule/

classes\_schedule\_list



Allows a user to view their upcoming enrolled classes in chronological order.

**Parameters**

Try it out

Name	Description
<b>studio_id</b> * required	
string	
(path)	

**Responses**

Response content type

application/json

Code	Description
200	

Example Value **Model**

Code	Description
<pre>[EnrollClass {   account* {     Account {       username* {         string         title: Username         pattern: ^[\w.@+-]+\$         maxLength: 150         minLength: 1          Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.        first_name         string         title: First name         maxLength: 150        last_name         string         title: Last name         maxLength: 150        email         string(\$email)         title: Email address         maxLength: 254        avatar         string(\$uri)         title: Avatar         readOnly: true         x-nullable: true        phone_number         string         title: Phone number         pattern: ^\+?1?\d{9,15}\$         maxLength: 250         x-nullable: true      }   }    classtime* {     ClassTimeTable {       id         integer         title: ID         readOnly: true        time*         string(\$date-time)         title: Time        spotleft*         integer         title: Spotleft        class_detail         string         title: Class detail         readOnly: true      }   }    class_detail     string     title: Class detail     readOnly: true  }]</pre>	

GET

/classes/{studio\_id}/upcoming/

classes\_upcoming\_list

^

List upcoming classes in a given studio.

Parameters

Try it out

payments

Name

Description

POST

/payments/add/  
required

payments\_add\_create

^

Allows a user to register their credit card details.

Parameters

Try it out

Name

Description

data

\* required

object

(body)

Example Value

Model

Example Value

Name	Description
<b>PaymentInfo</b>	
name_on_card*	string title: Name on card maxLength: 250 minLength: 1
card_number*	string title: Card number maxLength: 250 minLength: 1
cvv*	integer title: Cvv
expiry_date*	string(\$date) title: Expiry date
}	

ResponsesResponse content typeapplication/json

Code	Description
201	Example Value <b>Model</b>
	<b>PaymentInfo</b> { accountstring title: Account readOnly: true name_on_card*string title: Name on card maxLength: 250 minLength: 1 card_number*string title: Card number maxLength: 250 minLength: 1 cvv*integer title: Cvv expiry_date*string(\$date) title: Expiry date }

<b>GET</b>	/payments/history/	payments_history_list ^
Allows a user to view all their past payments on file.		
<b>Parameters</b>		Try it out
No parameters		
<b>Responses</b>		Response content typeapplication/json
<b>Code</b>	<b>Description</b>	
200	Example Value <b>Model</b>	



Code	Description
------	-------------

```
[PaymentHistory {
  account*      string
                title: Account
timestamp*      string($date-time)
                title: Timestamp
amount*         number
                title: Amount
card_number*    string
                title: Card number
                maxLength: 250
                minLength: 1
card_expiry*    string($date)
                title: Card expiry
}]
```

**GET** /payments/upcoming/

payments\_upcoming\_list ^ 🔒

Allows a user to view their next upcoming payment, the payment interval, and the end date of the recurrence.

**Parameters**[Try it out](#)

No parameters

**Responses**Response content type **application/json**

Code	Description
------	-------------

200	
-----	--

**PUT** /payments/update/

payments\_update\_update ^ 🔒

Allows a user to alter their credit card details.

**Parameters**[Try it out](#)

Name	Description
------	-------------


**data** \* requiredobject  
(body)Example Value    **Model**

```
PaymentInfo {
  name_on_card*  string
                  title: Name on card
                  maxLength: 250
                  minLength: 1
  card_number*   string
                  title: Card number
                  maxLength: 250
                  minLength: 1
  cvv*           integer
                  title: Cvv
  expiry_date*   string($date)
                  title: Expiry date
}
```

**Responses**

Response content type **application/json**

Code	Description
200	Example Value <b>Model</b>  <b>PaymentInfo</b> { account               string title: Account readOnly: true name_on_card*       string title: Name on card maxLength: 250 minLength: 1 card_number*       string title: Card number maxLength: 250 minLength: 1 cvv*               integer title: Cvv expiry_date*       string(\$date) title: Expiry date }

**PATCH** /payments/update/ **payments\_update\_partial\_update** 

Allows a user to alter their credit card details.

**Parameters** **Try it out**

Name	Description
<b>data</b> * required object (body)	Example Value <b>Model</b>  <b>PaymentInfo</b> { name_on_card*       string title: Name on card maxLength: 250 minLength: 1 card_number*       string title: Card number maxLength: 250 minLength: 1 cvv*               integer title: Cvv expiry_date*       string(\$date) title: Expiry date }

**Responses**

Response content type **application/json**

Code	Description
200	Example Value <b>Model</b>

CodeDescription

studios

PaymentInfo

{

string

title: Account

readOnly: true

GET

/studios/list/{latitude},{longitude}

studios\_list\_read

^

🔒

List Studios by proximity, with optional search and filter capability via parameters. Needs latitude and longitude values passed through the URL to operate.

Parameters

Try it out

NameDescription

search

string

(query)

A search term.

search

latitude

string

(path)

latitude \* required

longitude

string

(path)

longitude \* required

Responses

Response content type

application/json

CodeDescription

200

Example Value

Model

[Studio

{

name\*

string

title: Name

maxLength: 250

minLength: 1

address\*

string

title: Address

maxLength: 250

minLength: 1

latitude\*

number

title: Latitude

longitude\*

number

title: Longitude

postal\_code\*

string

title: Postal code

maxLength: 250

minLength: 1

phone\_number\*

string

title: Phone number

maxLength: 250

minLength: 1

}]

GET

/studios/{studio}/

studios\_read

^

🔒

View Studio information given a Studio ID.

### Parameters

[Try it out](#)

Name	Description
------	-------------

<b>studio</b> * required string (path)	<input type="text" value="studio"/>
--	-------------------------------------

### Responses

Response content type

[application/json](#)

Code	Description
------	-------------

200	
-----	--

Example Value   **Model**

```
Studio {
  name*      string
              title: Name
              maxLength: 250
              minLength: 1
  address*   string
              title: Address
              maxLength: 250
              minLength: 1
  latitude*  number
              title: Latitude
  longitude* number
              title: Longitude
  postal_code* string
              title: Postal code
              maxLength: 250
              minLength: 1
  phone_number* string
              title: Phone number
              maxLength: 250
              minLength: 1
}
```

**GET**   </studios/{studio}/amenities/>

studios\_amenities\_list



View Amenities given a Studio ID.  
Intended for use in tandem with StudioView  
for a comprehensive look at a studio.

### Parameters

[Try it out](#)

Name	Description
------	-------------

<b>studio</b> * required string (path)	<input type="text" value="studio"/>
--	-------------------------------------

### Responses

Response content type

[application/json](#)

Code	Description
200	Example Value <b>Model</b> <pre>[Amenities {   studio*      integer                title: Studio   amenity_type* string                title: Amenity type                maxLength: 250                minLength: 1   quantity*    integer                title: Quantity }]</pre>

<b>GET</b>	/studios/{studio}/images/	studios_images_list ^ 🔒
View StudioImages given a Studio ID. Intended for use in tandem with StudioView for a comprehensive look at a studio.		
<b>Parameters</b>		<button>Try it out</button>
<b>Name</b>	<b>Description</b>	
<b>studio</b> * required string (path)	<input type="text" value="studio"/>	
<b>Responses</b>		Response content type <b>application/json</b>
<b>Code</b>	<b>Description</b>	
200	Example Value <b>Model</b> <pre>[StudioImage {   studio*      integer                title: Studio   image        string(\$uri)                title: Image                readOnly: true }]</pre>	
<b>subscriptions</b>		^

<b>POST</b>	/subscriptions/subscribe/	subscriptions_subscribe_create ^ 🔒
Allows a user to subscribe. Prerequisites: <ul style="list-style-type: none"><li>• This account does not have a subscription (or a previously cancelled subscription - in which case the UpdateView should instead be used.)</li><li>• This account has registered payment information</li></ul> This method creates: <ul style="list-style-type: none"><li>• a CurrentSubscription entry for this user</li><li>• an entry in PaymentHistory logging this transaction</li></ul>		

**Parameters**

Try it out

Name	Description
<b>data</b> * required object (body)	Example Value <b>Model</b>  <b>CurrentSubscription</b> { plan                   integer title: Plan x-nullable: true  }

**Responses**

Response content type   **application/json**

Code	Description
201	Example Value <b>Model</b>  <b>CurrentSubscription</b> { account               string title: Account readOnly: true  plan                   integer title: Plan x-nullable: true  expiration            string(\$date-time) title: Expiration readOnly: true x-nullable: true  }

**PUT**   /subscriptions/update/   subscriptions\_update\_update   ^

Allows a user to change their subscription plan to either a) another existing plan, or b) null (a cancellation).  
If a user changes to a non-null subscription plan, the newer expiry date is used.

**Parameters**

Try it out

Name	Description
<b>data</b> * required object (body)	Example Value <b>Model</b>  <b>CurrentSubscription</b> { plan                   integer title: Plan x-nullable: true  }

**Responses**

Response content type   **application/json**

Code	Description
200	Example Value <b>Model</b>  <b>CurrentSubscription</b> { account string title: Account readOnly: true plan integer title: Plan x-nullable: true expiration string(\$date-time) title: Expiration readOnly: true x-nullable: true }

PATCH

/subscriptions/update/

subscriptions\_update\_partial\_update

Allows a user to change their subscription plan to either a) another existing plan, or b) null (a cancellation).  
If a user changes to a non-null subscription plan, the newer expiry date is used.

Parameters

Try it out

Name

Description

data

\* required

object

(body)

Example Value

Model

CurrentSubscription

{

plan

integer

title: Plan

x-nullable: true

}

Responses

Response content type

application/json

Code

Description

200

Example Value

Model

CurrentSubscription

{

account

string

title: Account

readOnly: true

plan

integer

title: Plan

x-nullable: true

expiration

string(\$date-time)

title: Expiration

readOnly: true

x-nullable: true

}

Models

**TokenRefresh**

**TokenObtainPair**

**Account**

**ClassTimeTable**

**EnrollClass**

**PaymentInfo**

**PaymentHistory**

**Studio**

**Amenities**

**StudioImage**

**CurrentSubscription**