



http://127.0.0.1:8000/swagger/?format=openapi

Explore

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

[ Base URL: 127.0.0.1:8000/ ]  
http://127.0.0.1:8000/swagger/?format=openapi

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Schemes

HTTP

Django username1

Django Logout

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
<b>data</b> <sup>★ required</sup>	
object (body)	Example Value    Model
	<pre>TokenRefresh {   refresh* string               title: Refresh               minLength: 1 }</pre>

Responses

Response content type application/json

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

POST /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.

Parameters

Try it out

Name	Description
<b>data</b> <small>* required</small> object (body)	<div>Example Value    Model</div> <div><div>TokenObtainPair</div><div><div>username*</div><div>password*</div></div><div>{   string     title: Username     minLength: 1   string     title: Password     minLength: 1 }</div></div>

Responses

Response content type

application/json

Code	Description
201	<div>Example Value    Model</div> <div><div>TokenObtainPair</div><div><div>username*</div><div>password*</div></div><div>{   string     title: Username     minLength: 1   string     title: Password     minLength: 1 }</div></div>

POST    /accounts/signup/

accounts\_signup\_create    ^

Allows a user to register on the website.

Parameters

Try it out

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

Name

Description

data

\*

required

object

(body)

Example Value

Model

Signup

{

username\*

string

title: Username

pattern: ^[\w. @+ - ]+ \$

maxLength: 150

minLength: 1

Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

password\*

string

title: Password

maxLength: 128

minLength: 1

password2\*

string

title: Confirm password

minLength: 1

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?\d{9,15} \$

maxLength: 250

x-nullable: true

}

Responses

Response content type

application/json

Code

Description

201

Example Value

Model

Signup

{

username\*

string

title: Username

pattern: ^[\w. @+ - ]+ \$

maxLength: 150

minLength: 1

Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

password\*

string

title: Password

maxLength: 128

minLength: 1

password2\*

string

title: Confirm password

minLength: 1

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

}

Allows a user to update their account details.

Parameters

Try it out

Name	Description
<b>data</b> <span>*</span> <span>required</span>	
object (body)	<div>Example Value</div> <div>Model</div> <div><pre>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    phone_number string     title: Phone number     pattern: ^\+?1?\d{9,15}\$     maxLength: 250     x-nullable: true }</pre></div>

Responses

Response content type application/json

Code	Description
200	<div>Example Value</div> <div>Model</div> <div><pre>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 }</pre></div>

PATCH /accounts/update/

accounts\_update\_partial\_update

Allows a user to update their account details.

Parameters

Try it out

Name	Description
<b>data</b> <span>★ required</span>	
object (body)	<div>Example Value    Model</div> <div><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?\d{9,15}\$                   maxLength: 250                   x-nullable: true    } </div>

Responses

Response content type    application/json

Code	Description
200	<div>Example Value    Model</div> <div><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    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    } </div>

GET    /accounts/{account\_id}/

accounts\_read    ^

View a given account.

Parameters

Try it out

Name

Description

account\_id \* required

string (path)

account\_id

Responses

Response content type

application/json

Code

Description

200

Example Value

Model

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

}

classes

POST

/classes/modify/

classes\_modify\_create

lock icon

Enroll or drop a class

Parameters

Try it out

Name

Description

classtime id

string (query)

Class time

classtime id

account id

integer (query)

User ID

account id

Name

Description

op

string

(query)

Operation: either enroll or drop

op

Responses

Response content type

application/json

Code

Description

201

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

limit

integer

(query)

Number of results to return per page.

limit

offset

integer

(query)

The initial index from which to return the results.

offset

studio\_id

string

(path)

studio\_id \* required

studio\_id

Responses

Response content type

application/json

Code

Description

200

Example Value

Model

{

count\*

next

previous

results\*

}

integer

string(\$uri)

x-nullable: true

string(\$uri)

x-nullable: true

[EnrollClass {

account\*

classtime\*

class\_detail

}]

Account {...}

ClassTimeTable {...}

string

title: Class detail

readOnly: true

GET

/classes/{studio\_id}/upcoming/

classes\_upcoming\_list

List upcoming classes in a given studio.

Parameters

Try it out

Name	Description
limit integer <i>(query)</i>	Number of results to return per page. <div>limit</div>
offset integer <i>(query)</i>	The initial index from which to return the results. <div>offset</div>
studio_id * required string <i>(path)</i>	<div>studio_id</div>

Responses

Response content type

application/json

Code	Description
200	<div>Example Value</div> <div>Model</div> <div><pre>{   count*   next   previous   results*     [ClassTimeTable       id       time*       spotleft*       class_detail     ] }</pre></div>

payments

POST

/payments/add/

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

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

201

Example Value

Model

PaymentInfo

{

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

}

GET

/payments/history/

payments\_history\_list

^

🔒

Allows a user to view all their past payments on file, sorted by recent.

Parameters

Try it out

Name

Description

limit

integer

(query)

Number of results to return per page.

limit

offset

integer

(query)

The initial index from which to return the results.

offset

Responses

Response content type

application/json

Code	Description
200	<div>Example Value    Model</div> <div><div><pre>{   count*   next   previous   results* }</pre></div><div><pre>integer string(\$uri) x-nullable: true string(\$uri) x-nullable: true  [PaymentHistory {   account*   timestamp*   amount*   card_number*   card_expiry* }]</pre></div><div><pre>{   string   title: Account   string(\$date)   title: Timestamp   number   title: Amount   string   title: Card number   maxLength: 250   minLength: 1   string(\$date)   title: Card expiry }</pre></div></div>

GET    /payments/upcoming/

payments\_upcoming\_list ^ 🔒

Allows a user to view their next upcoming payment, and the payment recurrence interval. The next upcoming payment is when the coverage they have already paid for expires

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
------	-------------

Name

Description

data \* required

object

(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

Model

PaymentInfo

{

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

data \* required

object

(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	<div>Example Value    Model</div> <div><div>PaymentInfo</div><div>{   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 }</div></div>

studios

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

Name	Description
search string (query)	<div>A search term.</div> <div>search</div>
limit integer (query)	<div>Number of results to return per page.</div> <div>limit</div>
offset integer (query)	<div>The initial index from which to return the results.</div> <div>offset</div>
latitude * required string (path)	<div>latitude</div>
longitude * required string (path)	<div>longitude</div>

Responses

Response content type

application/json

Code	Description
200	<div>Example Value    <b>Model</b></div> <div><pre>{   count*   next   previous   results*     [Studio {       name*       address*       latitude*       longitude*       postal_code*       phone_number*     }] }</pre></div>

GET    /studios/{studio}/

studios\_read    ^    🔒

View Studio information given a Studio ID.

Parameters

Try it out

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

Responses

Response content type    application/json

Code	Description

Code	Description
200	Example Value <b>Model</b>
	<div><div><b>Studio</b> {</div><div><div>name*</div><div>string</div><div>title: Name</div><div>maxLength: 250</div><div>minLength: 1</div></div><div><div>address*</div><div>string</div><div>title: Address</div><div>maxLength: 250</div><div>minLength: 1</div></div><div><div>latitude*</div><div>number</div><div>title: Latitude</div></div><div><div>longitude*</div><div>number</div><div>title: Longitude</div></div><div><div>postal_code*</div><div>string</div><div>title: Postal code</div><div>maxLength: 250</div><div>minLength: 1</div></div><div><div>phone_number*</div><div>string</div><div>title: Phone number</div><div>maxLength: 250</div><div>minLength: 1</div></div></div> <div>}</div>

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
limit integer (query)	Number of results to return per page. <div>limit</div>
offset integer (query)	The initial index from which to return the results. <div>offset</div>
studio * required string (path)	studio

Responses

Response content type

application/json

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

Code	Description
200	<div>Example Value</div> <div>Model</div> <div><pre>{   count*   next   previous   results*     [Amenities {       studio*       amenity_type*       quantity*     }] }</pre></div>

GET

/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.

Parameters

Try it out

Name	Description
limit integer (query)	Number of results to return per page. <div>limit</div>
offset integer (query)	The initial index from which to return the results. <div>offset</div>
studio * required string (path)	studio

Responses

Response content type

application/json

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

Code	Description
200	<div>Example Value    <b>Model</b></div> <div><pre>{   count*   next   previous   results*     [StudioImage {       studio*       image     }] }</pre></div>

subscriptions



POST    /subscriptions/subscribe/    subscriptions\_subscribe\_create    ^

Allows a user to subscribe. Prerequisites:

- This account does not have a subscription (or a previously cancelled subscription - in which case the UpdateView should instead be used.)
- This account has registered payment information

This method creates:

- a CurrentSubscription entry for this user
- an entry in PaymentHistory logging this transaction

Parameters

Try it out

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

Responses

Response content type    application/json

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



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

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 added to the old one, and a new payment is created to reflect coverage to next expiry date.

Parameters

Try it out

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

Responses

Response content type

application/json

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

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 added to the old one, and a new payment is created to reflect coverage to next expiry date.

Parameters

Try it out

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

Responses

Response content type

application/json

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

Models

▼