

MTAA Application API (v1)

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For access to any endpoints, the user first needs to authenticate. Create a user with /auth/register endpoint, and afterwards use the /auth/login to get a bearer token, which should be copied into the Authorize modal window accessible just to the right below this text.

transaction-controller

Retrieves Transaction by ID

Queries the database for a transaction object based on ID from the user input.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id	integer <int64>
required	

Responses

- **200** Retrieved successfully.
- **403** User is not permitted to access this endpoint.
- **404** Transaction with this id was not found.
- **500** Internal server error

GET /transactions/{id}

Updates a Transaction

Updates and saves a Transaction object in the database.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id	integer <int64>
required	

REQUEST BODY SCHEMA: application/json

user_id	integer <int64>
required	

label	string
required	

amount	integer <int64>
required	

time	string <date-time>
required	

transaction_type	string
required	
Enum:	"EXPENSE" "INCOME"
Transaction Type - ENUM values	

category_id	integer <int64>
-------------	-----------------

budget_id	integer <int64>
-----------	-----------------

location_id	integer <int64>
-------------	-----------------

frequency	string
required	
Enum:	"DEFAULT" "UPCOMING" "SUBSCRIPTION"
Frequency Type - ENUM values	

note	string
------	--------

filename	string
----------	--------

Responses

- **200** Updated successfully
- **403** User is not permitted to access this endpoint.
- **404** Transaction with this id was not found.
- **500** Internal server error

PUT /transactions/{id}

Request samples

Payload

Content type

application/json

Copy

```
{
  "user_id": 0,
  "label": "string",
  "amount": 0,
  "time": "2019-08-24T14:15:22Z",
  "transaction_type": "EXPENSE",
  "category_id": 0,
  "budget_id": 0,
  "location_id": 0,
  "frequency": "DEFAULT",
  "note": "string",
  "filename": "string"
}
```

Deletes a Transaction

Deletes a Transaction object in the database.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id	integer <int64>
<i>required</i>	

Responses

— **200** Deleted successfully.

— **403** User is not permitted to access this endpoint.

— **404** Transaction with this id was not found.

— **500** Internal server error

DELETE /transactions/{id}

Retrieves all Transaction objects.

Queries the database for a complete list of all existing Transaction objects.

AUTHORIZATIONS: > *bearerAuth*

Responses

— **200** Retrieved successfully.

— **403** User is not permitted to access this endpoint.

— 500 Internal server error

GET /transactions

Creates a Transaction

Creates and saves a new Transaction object into the database.

AUTHORIZATIONS: > *bearerAuth*

REQUEST BODY SCHEMA: application/json

user_id required	integer <int64>
label required	string
amount required	integer <int64>
time required	string <date-time>
transaction_type required	string Enum: "EXPENSE" "INCOME" Transaction Type - ENUM values
category_id	integer <int64>
budget_id	integer <int64>
location_id	integer <int64>
frequency required	string Enum: "DEFAULT" "UPCOMING" "SUBSCRIPTION" Frequency Type - ENUM values
note	string
filename	string

Responses

— **200** Created successfully

— **403** User is not permitted to access this endpoint.

— **500** Internal server error

POST /transactions

Request samples

Payload

Content type

application/json

Copy

```
{
  "user_id": 0,
  "label": "string",
  "amount": 0,
  "time": "2019-08-24T14:15:22Z",
  "transaction_type": "EXPENSE",
  "category_id": 0,
  "budget_id": 0,
  "location_id": 0,
  "frequency": "DEFAULT",
  "note": "string",
  "filename": "string"
}
```

Retrieves all expenses made this week.

Queries the database for a all Transaction object based on their date being in a weeks interval from today.

AUTHORIZATIONS: > *bearerAuth*

Responses

— **200** Retrieved successfully.

— **403** User is not permitted to access this endpoint.

— **500** Internal server error

GET /transactions/expenses/week

Retrieves all expenses made today.

Queries the database for a all Transaction object based on their date being in a days interval from today.

AUTHORIZATIONS: > *bearerAuth*

Responses

— **200** Retrieved successfully.

— **403** User is not permitted to access this endpoint.

— **500** Internal server error

GET /transactions/expenses/today

Retrieves all expenses made this month.

Queries the database for a all Transaction object based on their date being in a days interval from today.

AUTHORIZATIONS: > *bearerAuth*

Responses

— **200** Retrieved successfully.

— **403** User is not permitted to access this endpoint.

— **500** Internal server error

GET /transactions/expenses/month

Retrieves Transaction by ID of the budget the transaction is attached to.

Queries the database for a budget object based on budget ID from the user input.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

budgetId <i>required</i>	integer <int64>
-----------------------------	-----------------

Responses

— **200** Retrieved successfully.

- **403** User is not permitted to access this endpoint.
- **404** Budget with this id was not found.
- **500** Internal server error

GET /transactions/budget/{budgetId}

category-controller

Retrieves a category by ID.

Queries the databse for a Category object based on ID from the user input.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id	integer <int64>
<i>required</i>	

Responses

- **200** Retrieved successfully
- **403** User is not permitted to access this endpoint.
- **404** Category with this id was not found.

— 500 Internal server error

GET /categories/{id}

Updates a category

Updates and saves a Category object in the database.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id required	integer <int64>
----------------	-----------------

QUERY PARAMETERS

category > required	object (CategoryDTO)
------------------------	----------------------

Responses

— 200 Updated successfully

— 403 User is not permitted to access this endpoint.

— 404 Category with this id was not found.

— 500 Internal server error

PUT /categories/{id}

Deletes a category

Deletes a Category object in the database.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id	integer <int64>
required	

Responses

- **200** Retrieved successfully
- **403** User is not permitted to access this endpoint.
- **404** Category with this id was not found.
- **500** Internal server error

DELETE /categories/{id}

Retrieves all existing categories

Queries the database for a complete list of all existing Category objects.

AUTHORIZATIONS: > *bearerAuth*

Responses

- **200** Retrieved successfully

— **403** User is not permitted to access this endpoint.

— **500** Internal server error

GET /categories

Creates a category

Creates and saves a new Category object into the database.

AUTHORIZATIONS: > *bearerAuth*

REQUEST BODY SCHEMA: application/json

user_id	integer <int64>
---------	-----------------

label	string
-------	--------

Responses

— **200** Created successfully

— **403** User is not permitted to access this endpoint.

— **500** Internal server error

POST /categories

Request samples

Payload

Content type

application/json

Copy

```
{  
  "user_id": 0,  
  "label": "string"  
}
```

budget-controller

Retrieves budget by ID

Queries the database for a budget object based on ID from the user input.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id	integer <int64>
required	

Responses

- **200** Retrieved successfully.
- **403** User is not permitted to access this endpoint.
- **404** Budget with this id was not found.
- **500** Internal server error

GET /budgets/{id}

Updates a budget

Updates and saves a Budget object in the database.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id	integer <int64>
required	

REQUEST BODY SCHEMA: application/json

user_id	integer <int64>
---------	-----------------

label	string
-------	--------

amount	integer <int64>
--------	-----------------

start_date	string <date>
------------	---------------

interval_value	integer <int32>
----------------	-----------------

interval_enum	string
	Enum: "DAY" "WEEK" "MONTH" "YEAR"
	Interval - ENUM values

Responses

- 200 Updated successfully
- 403 User is not permitted to access this endpoint.
- 404 Budget with this id was not found.

— 500 Internal server error

PUT /budgets/{id}

Request samples

Payload

Content type

application/json

Copy

```
{
  "user_id": 0,
  "label": "string",
  "amount": 0,
  "start_date": "2019-08-24",
  "interval_value": 0,
  "interval_enum": "DAY"
}
```

Deletes a budget

Deletes a Budget object in the database.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id	integer <int64>
required	

Responses

— 200 Deleted successfully.

- **403** User is not permitted to access this endpoint.
- **404** Budget with this id was not found.
- **500** Internal server error

DELETE /budgets/{id}

Retrieves all existing budgets.

Queries the database for a complete list of all existing budget objects.

AUTHORIZATIONS: > *bearerAuth*

Responses

- **200** Successfully retrieved all budgets.
- **403** User is not permitted to access this endpoint.
- **500** Internal server error

GET /budgets

Creates a budget

Creates and saves a new Budget object into the database.

AUTHORIZATIONS: > *bearerAuth*

REQUEST BODY SCHEMA: application/json

user_id	integer <int64>
label	string
amount	integer <int64>
start_date	string <date>
interval_value	integer <int32>
interval_enum	string Enum: "DAY" "WEEK" "MONTH" "YEAR" Interval - ENUM values

Responses

- 200 Created successfully
- 403 User is not permitted to access this endpoint.
- 500 Internal server error

POST /budgets

Request samples

Payload

Content type
application/json

Copy

```
{
  "user_id": 0,
  "label": "string",
  "amount": 0,
  "start_date": "2019-08-24",
```

```
"interval_value": 0,  
"interval_enum": "DAY"  
}
```

Resets all budgets that are due to reset based on their reset interval

Based on the budgets reset interval(DAY/WEEK/MONTH/YEAR/NONE), all budgets that are supposed to reset their currency value have their value reset to the initial value the budget was created with.

AUTHORIZATIONS: > *bearerAuth*

Responses

- **200** Reset successfully.
- **403** User is not permitted to access this endpoint.
- **500** Internal server error

GET /budgets/resetBudgets

location-controller

Creates a location

Creates and saves a new Location object into the database.

AUTHORIZATIONS: > *bearerAuth*

REQUEST BODY SCHEMA: application/json

name	string
latitude required	number
longitude required	number

Responses

- 200 Created successfully
- 403 User is not permitted to access this endpoint.
- 500 Internal server error

POST /location

Request samples

Payload

Content type
application/json

Copy

```
{
  "name": "string",
  "latitude": 0,
  "longitude": 0
}
```

Retrieves location by ID

Queries the database for a Location object based on ID from the user input.

AUTHORIZATIONS: > *bearerAuth*

PATH PARAMETERS

id	integer <int64>
required	

Responses

— **200** Retrieved successfully.

— **403** User is not permitted to access this endpoint.

— **404** Location with this id was not found.

— **500** Internal server error

GET /location/{id}

auth-controller

Register a new user

Registers a new user with username and password.

AUTHORIZATIONS: > *bearerAuth*

REQUEST BODY SCHEMA: application/json

username
required

string

password
required

string

Responses

— **200** User registered successfully

— **400** Username already exists

— **500** Internal server error

POST /auth/register

Request samples

Payload

Content type
application/json

Copy

```
{  
  "username": "string",  
  "password": "string"  
}
```

Logs out active user

The active user is logged out of the system.

AUTHORIZATIONS: > *bearerAuth*

Responses

— **200** Logged out successfully

— **500** Internal server error

POST /auth/logout

Login to a user account

Logs user in and generated a bearer token needed for authorization.

AUTHORIZATIONS: > *bearerAuth*

REQUEST BODY SCHEMA: application/json

username	string
----------	--------

password	string
----------	--------

Responses

— **200** User registered successfully

— **400** Wrong password

— **404** User with this username was not found.

— **500** Internal server error

POST /auth/login

Request samples

Payload

Content type

application/json

Copy

```
{
  "username": "string",
  "password": "string"
}
```

image-controller

Get download URL

Get URL to download image from firebase

AUTHORIZATIONS: > *bearerAuth*

QUERY PARAMETERS

filename	string
required	

Responses

> **200** URL generated successfully

— **400** Filename is rather empty or invalid

— **401** Unauthorized

— **403** Forbidden

- 404 File not found
- 500 Internal server error

GET /images/generateDownloadUrl

Get upload URL

Get URL to upload image to firebase

AUTHORIZATIONS: > bearerAuth

QUERY PARAMETERS

filename required	string
contentType required	string

Responses

- > 201 URL generated successfully
- 400 Filename/Content Type is rather empty or invalid
- 401 Unauthorized
- 403 Forbidden
- 500 Internal server error

GET /images/generate-upload-url