University Management System

REST API Description

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# /students

## GET – Find Students

**Query Parameters:**

pageNumber - Page number to return

type - integer

Example: 10

pageSize - Number of items in page

type - integer

Example: 10

**Responses**

200**:**

This is a list of the students

application/json

array of:

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"dropoutDate": "2021-12-01",

"enrollDate": "2021-12-01"

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

## POST – Add new Student

**Request Body:**

application/json

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"dropoutDate": "2021-12-01",

"enrollDate": "2021-12-01"

}

**Responses**

201**:**

Student created

application/json

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"dropoutDate": "2021-12-01",

"enrollDate": "2021-12-01"

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

# /teachers

## GET - Find Teachers

**Query Parameters:**

pageNumber - Page number to return

type - integer

Example: 10

pageSize - Number of items in page

type - integer

Example: 10

**Responses**

200**:**

This is a list of the teachers

application/json

array of:

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

## POST - Add new teacher

**Request Body:**

application/json

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

}

**Responses**

201**:**

Teacher created

application/json

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

# /students{id}

## GET – Find Student by ID

**Path Parameters:**

id - UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Responses**

200**:**

Student by ID

application/json

array of:

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"dropoutDate": "2021-12-01",

"enrollDate": "2021-12-01"

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

## PUT – Update existed Student

**Path Parameters:**

id - UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Request Body:**

application/json

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"dropoutDate": "2021-12-01",

"enrollDate": "2021-12-01"

}

**Responses**

200**:**

Student updated

application/json

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"dropoutDate": "2021-12-01",

"enrollDate": "2021-12-01"

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

## DELETE – Delete existed Student by ID

**Path Parameters:**

id - UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Responses**

200**:**

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

# /teachers{id}

## GET – Find Teacher by ID

**Path Parameters:**

id - UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Responses**

200**:**

Teacher by ID

application/json

array of:

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

## PUT – Update existed Teacher

**Path Parameters:**

id - UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Request Body:**

application/json

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

}

**Responses**

200**:**

Teacher updated

application/json

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

## DELETE – Delete existed Teacher by ID

**Path Parameters:**

id - UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Responses**

200**:**

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

# /timetable/findByDayForStudent

## GET – Get daily timetable for Student

**Query Parameters:**

pageNumber - Page number to return

type - integer

Example: 10

pageSize - Number of items in page

type - integer

Example: 10

id – Student UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

date - Date that contains the Day - Format YYYY-MM-DD

type - string<date>

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Responses**

200**:**

This is daily timetable for Student

application/json

array of:

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"teacher": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

},

"subject": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "SQL (Structured Query Language)",

"description": "SQL (Structured Query Language) is a domain-specific programming language designed for managing data held in a relational database management system (RDBMS)"

},

"location": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"address": "853 Upton Crossing Suite 560 East Andreannemouth, Illinois"

},

"lecture": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"topic": "PostgreSQL",

"description": "PostgreSQL is a powerful, open source object-relational database system that uses and extends the SQL language combined with many features that safely store and scale the most complicated data workloads. The origins of PostgreSQL date back to 1986 as part of the POSTGRES project at the University of California at Berkeley and has more than 30 years of active development on the core platform.",

"teacher": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

},

"subject": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "SQL (Structured Query Language)",

"description": "SQL (Structured Query Language) is a domain-specific programming language designed for managing data held in a relational database management system (RDBMS)"

}

},

"groups":

array of:

[

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "BackEnd Developers"

}

]

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

# /timetable/findByDayForTeacher

## GET – Get daily timetable for Teacher

**Query Parameters:**

pageNumber - Page number to return

type - integer

Example: 10

pageSize - Number of items in page

type - integer

Example: 10

id - Teacher UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

date - Date that contains the Day - Format YYYY-MM-DD

type - string<date>

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Responses**

200**:**

This is daily timetable for Student

application/json

array of:

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"teacher": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

},

"subject": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "SQL (Structured Query Language)",

"description": "SQL (Structured Query Language) is a domain-specific programming language designed for managing data held in a relational database management system (RDBMS)"

},

"location": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"address": "853 Upton Crossing Suite 560 East Andreannemouth, Illinois"

},

"lecture": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"topic": "PostgreSQL",

"description": "PostgreSQL is a powerful, open source object-relational database system that uses and extends the SQL language combined with many features that safely store and scale the most complicated data workloads. The origins of PostgreSQL date back to 1986 as part of the POSTGRES project at the University of California at Berkeley and has more than 30 years of active development on the core platform.",

"teacher": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

},

"subject": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "SQL (Structured Query Language)",

"description": "SQL (Structured Query Language) is a domain-specific programming language designed for managing data held in a relational database management system (RDBMS)"

}

},

"groups":

array of:

[

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "BackEnd Developers"

}

]

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

# /timetable/findByMonthForStudent

## GET – Get monthly timetable for Student

**Query Parameters:**

pageNumber - Page number to return

type - integer

Example: 10

pageSize - Number of items in page

type - integer

Example: 10

id – Student UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

date - Date that contains the Month - Format YYYY-MM-DD

type - string<date>

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Responses**

200**:**

This is monthly timetable for Student

application/json

array of:

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"teacher": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

},

"subject": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "SQL (Structured Query Language)",

"description": "SQL (Structured Query Language) is a domain-specific programming language designed for managing data held in a relational database management system (RDBMS)"

},

"location": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"address": "853 Upton Crossing Suite 560 East Andreannemouth, Illinois"

},

"lecture": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"topic": "PostgreSQL",

"description": "PostgreSQL is a powerful, open source object-relational database system that uses and extends the SQL language combined with many features that safely store and scale the most complicated data workloads. The origins of PostgreSQL date back to 1986 as part of the POSTGRES project at the University of California at Berkeley and has more than 30 years of active development on the core platform.",

"teacher": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

},

"subject": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "SQL (Structured Query Language)",

"description": "SQL (Structured Query Language) is a domain-specific programming language designed for managing data held in a relational database management system (RDBMS)"

}

},

"groups":

array of:

[

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "BackEnd Developers"

}

]

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}

# /timetable/findByMonthForTeacher

## GET – Get monthly timetable for Teacher

**Query Parameters:**

pageNumber - Page number to return

type - integer

Example: 10

pageSize - Number of items in page

type - integer

Example: 10

id - Teacher UUID

type - string

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

date - Date that contains the Day - Format YYYY-MM-DD

type - string<date>

Example: 527e2457-0114-4785-9e55-487fcc19c4a5

**Responses**

200**:**

This is monthly timetable for Teacher

application/json

array of:

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"teacher": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

},

"subject": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "SQL (Structured Query Language)",

"description": "SQL (Structured Query Language) is a domain-specific programming language designed for managing data held in a relational database management system (RDBMS)"

},

"location": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"address": "853 Upton Crossing Suite 560 East Andreannemouth, Illinois"

},

"lecture": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"topic": "PostgreSQL",

"description": "PostgreSQL is a powerful, open source object-relational database system that uses and extends the SQL language combined with many features that safely store and scale the most complicated data workloads. The origins of PostgreSQL date back to 1986 as part of the POSTGRES project at the University of California at Berkeley and has more than 30 years of active development on the core platform.",

"teacher": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "John",

"surname": "Smith",

"birthDate": "1970-09-02",

"timeZone": "GMT+1:00",

"login": "john\_smith",

"email": "john\_smith",

"avatarPath": "https://www.gravatar.com/avatar/",

"hashedPassword": "string",

"academicDegree": "Master of Science",

"employmentDate": "2021-12-01"

},

"subject": {

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "SQL (Structured Query Language)",

"description": "SQL (Structured Query Language) is a domain-specific programming language designed for managing data held in a relational database management system (RDBMS)"

}

},

"groups":

array of:

[

{

"id": "36c8ba4a-60a5-44ad-b66f-f236c6d30da7",

"name": "BackEnd Developers"

}

]

}

500**:**

application/json

{

"httpStatusCode": "500",

"message": "Internal Server Error"

}