

Package ‘vvtermtime’

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Type Package

Title Interface for 'Semestry TermTime' Services

Version 0.0.1

Description Provides an R interface for interacting with the 'Semestry TermTime' services.

It allows users to retrieve scheduling data from the API. see

<[https:](https://github.com/vusaverse/vvtermtime/blob/main/openapi_7.7.0.pdf)

[//github.com/vusaverse/vvtermtime/blob/main/openapi_7.7.0.pdf](https://github.com/vusaverse/vvtermtime/blob/main/openapi_7.7.0.pdf)> for details.

URL <https://github.com/vusaverse/vvtermtime>,

<https://vusaverse.github.io/vvtermtime/>

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Author Tomer Iwan [aut, cre, cph]

Maintainer Tomer Iwan <t.iwan@vu.nl>

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authenticate	<i>Authenticate with Semestry Termtime API</i>
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Description

This function authenticates with the Semestry Termtime API by verifying the API key and base URL. It returns an authenticated Semestry object that can be used for subsequent API calls.

Usage

```
authenticate(api_key, base_url)
```

Arguments

- api_key The API key for Semestry.
- base_url The base URL of the Semestry API.

Value

An authenticated Semestry object.

`get_activities_report_attr`*Retrieve activity report attr from the Semestry API*

Description

This function sends a GET request to the report room endpoint of the Semestry API and retrieves the room booking data.

Usage

```
get_activities_report_attr(semestry, timeout = 30)
```

Arguments

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved activity report data from the API.

`get_activities_report_sche`*Retrieve activity report schedule from the Semestry API*

Description

This function sends a GET request to the report room endpoint of the Semestry API and retrieves the room booking data.

Usage

```
get_activities_report_sche(semestry, timeout = 30)
```

Arguments

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved activity report data from the API.

get_buildings	<i>Retrieve building data from the Semestry API</i>
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Description

This function sends a GET request to the buildings endpoint of the Semestry API and retrieves the building data.

Usage

```
get_buildings(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved building data from the API.

get_campuses	<i>Retrieve campus data from the Semestry API</i>
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Description

This function sends a GET request to the campuses endpoint of the Semestry API and retrieves the campus data.

Usage

```
get_campuses(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved campus data from the API.

get_courses	<i>Retrieve course data from the Semestry API</i>
-------------	---

Description

This function sends a GET request to the courses endpoint of the Semestry API and retrieves the course data.

Usage

```
get_courses(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved course data from the API.

Examples

```
## Not run:  
semestry <- authenticate_semestry()  
get_courses(semestry)  
  
## End(Not run)
```

get_database	<i>Retrieve data from the Semestry API database endpoint</i>
--------------	--

Description

This function sends a GET request to the database endpoint of the Semestry API and retrieves the data.

Usage

```
get_database(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved data from the API database.

get_departments	<i>Retrieve department data from the Semestry API</i>
-----------------	---

Description

This function sends a GET request to the departments endpoint of the Semestry API and retrieves the department data.

Usage

```
get_departments(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved department data from the API.

get_modules	<i>Retrieve module data from the Semestry API</i>
-------------	---

Description

This function sends a GET request to the modules endpoint of the Semestry API and retrieves the module data.

Usage

```
get_modules(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved module data from the API.

`get_offers`*Retrieve offers from the Semestry API*

Description

This function sends a GET request to the offers endpoint of the Semestry API and retrieves the offers.

Usage

```
get_offers(semestry, timeout = 30)
```

Arguments

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved offers from the API.

Examples

```
## Not run:  
semestry <- authenticate_semestry()  
get_offers(semestry)  
  
## End(Not run)
```

`get_report_booking`*Retrieve booking report from the Semestry API*

Description

This function sends a GET request to the report booking endpoint of the Semestry API and retrieves the booking booking data.

Usage

```
get_report_booking(semestry, timeout = 30)
```

Arguments

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved report booking data from the API.

get_report_room	<i>Retrieve room report from the Semestry API</i>
-----------------	---

Description

This function sends a GET request to the report room endpoint of the Semestry API and retrieves the room booking data.

Usage

```
get_report_room(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved report room data from the API.

get_roombookings	<i>Retrieve room booking data from the Semestry API</i>
------------------	---

Description

This function sends a GET request to the roombookings endpoint of the Semestry API and retrieves the room booking data.

Usage

```
get_roombookings(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved room booking data from the API.

get_rooms	<i>Retrieve room data from the Semestry API</i>
-----------	---

Description

This function sends a GET request to the rooms endpoint of the Semestry API and retrieves the room data.

Usage

```
get_rooms(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved room data from the API.

Examples

```
## Not run:  
semestry <- authenticate_semestry()  
get_rooms(semestry)  
  
## End(Not run)
```

get_schedule_rooms	<i>Retrieve schedule rooms data from the Semestry API</i>
--------------------	---

Description

This function sends a GET request to the schedule/rooms endpoint of the Semestry API and retrieves the schedule rooms data.

Usage

```
get_schedule_rooms(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved schedule rooms data from the API.

get_staff	<i>Retrieve staff data from the Semestry API</i>
-----------	--

Description

This function sends a GET request to the staff endpoint of the Semestry API and retrieves the staff data.

Usage

```
get_staff(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved staff data from the API.

Examples

```
## Not run:  
semestry <- authenticate_semestry()  
get_staff(semestry)  
  
## End(Not run)
```

get_staff_pools	<i>Retrieve staff pools from the Semestry API</i>
-----------------	---

Description

This function sends a GET request to the staffpools endpoint of the Semestry API and retrieves the staff pools.

Usage

```
get_staff_pools(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved staff pools from the API.

get_students	<i>Retrieve student data from the Semestry API</i>
--------------	--

Description

This function sends a GET request to the students endpoint of the Semestry API and retrieves the student data.

Usage

```
get_students(semestry, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved student data from the API.

Examples

```
## Not run:  
  semestry <- authenticate_semestry()  
  get_students(semestry)  
  
## End(Not run)
```

`get_student_group_maps`*Retrieve student group mappings from the Semestry API*

Description

This function sends a GET request to the studentgroupmaps endpoint of the Semestry API and retrieves the student group mappings data.

Usage

```
get_student_group_maps(semestry, timeout = 30)
```

Arguments

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved student group maps from the API.

`get_timeframes`*Retrieve timeframes data from the Semestry API*

Description

This function sends a GET request to the timeframes endpoint of the Semestry API and retrieves the timeframes data.

Usage

```
get_timeframes(semestry, timeout = 30)
```

Arguments

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved timeframes data from the API.

`get_webhooks`*Retrieve webhook data from the Semestry API*

Description

This function sends a GET request to the webhooks endpoint of the Semestry API and retrieves the webhook data.

Usage

```
get_webhooks(semestry, timeout = 30)
```

Arguments

<code>semestry</code>	An authenticated Semestry object.
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved webhook data from the API.

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