

Package ‘vvtermtime’

May 8, 2026

Type Package

Title Interface for 'Semestry TermTime' Services

Version 0.1.0

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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Encoding UTF-8

RoxygenNote 7.3.2

Imports httr, jsonlite, magrittr

Suggests knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

Date/Publication 2025-07-25 14:20:02 UTC

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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 *Retrieve activity data from the Semestry API*

Description

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

Usage

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

Arguments

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

Value

The retrieved activity data from the API.

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

semestry An authenticated Semestry object.
timeout 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

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

Value

The retrieved activity report data from the API.

get_activity_groups

Retrieve activity group data from the Semestry API

Description

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

Usage

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

Arguments

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

Value

The retrieved activity group data from the API.

`get_activity_templates`*Retrieve activity template data from the Semestry API*

Description

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

Usage

```
get_activity_templates(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 template data from the API.

`get_activity_types`*Retrieve activity type data from the Semestry API*

Description

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

Usage

```
get_activity_types(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 type data from the API.

get_assessment_types *Retrieve assessment type data from the Semestry API*

Description

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

Usage

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

Arguments

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

Value

The retrieved assessment type data from the API.

get_booking_types *Retrieve booking type data from the Semestry API*

Description

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

Usage

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

Arguments

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

Value

The retrieved booking type data from the API.

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

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>
--------------	---

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_capabilities *Retrieve capability data from the Semestry API*

Description

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

Usage

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

Arguments

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

Value

The retrieved capability data from the API.

get_contact_requirements *Retrieve contact requirement data from the Semestry API*

Description

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

Usage

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

Arguments

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

Value

The retrieved contact requirement 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_floors	<i>Retrieve floor data from the Semestry API</i>
------------	--

Description

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

Usage

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

Arguments

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

Value

The retrieved floor 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	<i>Retrieve offers from the Semestry API</i>
------------	--

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

semestry	An authenticated Semestry object.
timeout	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_ping	<i>Ping the Semestry API</i>
----------	------------------------------

Description

This function sends a GET request to the ping endpoint of the Semestry API to check connectivity.

Usage

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

Arguments

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

Value

The ping response from the API.

get_report_booking	<i>Retrieve booking report from the Semestry API</i>
--------------------	--

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

semestry	An authenticated Semestry object.
timeout	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 *Retrieve room data from the Semestry API*

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_room_relationships *Retrieve room relationship data from the Semestry API*

Description

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

Usage

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

Arguments

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

Value

The retrieved room relationship data from the API.

get_schedule_rooms *Retrieve schedule rooms data from the Semestry API*

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 *Retrieve staff data from the Semestry API*

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_groups *Retrieve staff group data from the Semestry API*

Description

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

Usage

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

Arguments

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

Value

The retrieved staff group data from the API.

get_staff_pools *Retrieve staff pools from the Semestry API*

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

Description

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

Usage

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

Arguments

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

Value

The retrieved student group data from the API.

get_student_group_maps

Retrieve student group mappings from the Semester API

Description

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

Usage

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

Arguments

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

Value

The retrieved student group maps from the API.

get_supergroups

Retrieve supergroup data from the Semester API

Description

This function sends a GET request to the supergroups endpoint of the Semester API and retrieves the supergroup data.

Usage

```
get_supergroups(semester, timeout = 30)
```

Arguments

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

Value

The retrieved supergroup data from the API.

get_timeframes	<i>Retrieve timeframes data from the Semestry API</i>
----------------	---

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

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

Value

The retrieved timeframes data from the API.

get_timetable_module	<i>Retrieve timetable data for a specific module from the Semestry API</i>
----------------------	--

Description

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

Usage

```
get_timetable_module(semestry, module_code, timeout = 30)
```

Arguments

semestry	An authenticated Semestry object.
module_code	The module code to retrieve timetable data for.
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved timetable data for the specified module from the API.

`get_timetable_room` *Retrieve timetable data for a specific room from the Semestry API*

Description

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

Usage

```
get_timetable_room(semestry, room_code, start = NULL, end = NULL, timeout = 30)
```

Arguments

<code>semestry</code>	An authenticated Semestry object.
<code>room_code</code>	The room code to retrieve timetable data for.
<code>start</code>	Optional start date in YYYY-MM-DD format (10 characters).
<code>end</code>	Optional end date in YYYY-MM-DD format (10 characters).
<code>timeout</code>	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved timetable data for the specified room from the API.

`get_timetable_staff` *Retrieve timetable data for a specific staff member from the Semestry API*

Description

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

Usage

```
get_timetable_staff(  
  semestry,  
  staff_code,  
  start = NULL,  
  end = NULL,  
  timeout = 30  
)
```

Arguments

semester	An authenticated Semester object.
staff_code	The staff code to retrieve timetable data for.
start	Optional start date in YYYY-MM-DD format (10 characters).
end	Optional end date in YYYY-MM-DD format (10 characters).
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved timetable data for the specified staff member from the API.

get_timetable_student *Retrieve timetable data for a specific student from the Semester API*

Description

This function sends a GET request to the timetable student endpoint of the Semester API and retrieves the timetable data for a specific student.

Usage

```
get_timetable_student(  
    semester,  
    student_code,  
    start = NULL,  
    end = NULL,  
    timeout = 30  
)
```

Arguments

semester	An authenticated Semester object.
student_code	The student code to retrieve timetable data for.
start	Optional start date in YYYY-MM-DD format (10 characters).
end	Optional end date in YYYY-MM-DD format (10 characters).
timeout	The timeout duration for the GET request (default: 30 seconds).

Value

The retrieved timetable data for the specified student from the API.

get_webhooks	<i>Retrieve webhook data from the Semestry API</i>
--------------	--

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

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

Value

The retrieved webhook data from the API.

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