

Student Explorer API Manual

Application Programming Interface

version 27.01.2015

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Change log

- 27.01.2015
 - GET /applications/{application_id} - Application data
 - added fields to response: "eu_citizen", "national_id", "passport_issue_date", "passport_expiry_date"
- 05.12.2014
 - GET /students
 - added sis_student_id to response, is now also available as a filter option
 - added sis_track_flag to response, is now also available as a filter option
 - POST /students/{id_student}
 - POST method is now available for editing student data
 - sis_student_id value can now be set, as an effect this automatically sets sis_track_flag to 2 ("tracking") value
 - GET /applications
 - added filter[id] in order to directly retrieve an application based on it's ID
- 19.09.2014
 - POST /students
 - added optional field "program" that can receive "Interested in" program for students
- 31.07.2014
 - GET /states
 - added filters[country]
- 29.07.2014
 - POST /students
 - add ip field
 - create, hour, minute fields should be sent into UTC timezone

- GET /college-statuses
 - add filters[student]
- 15.07.2014
 - Get /terms/with_programs
 - added year field
 - filters[name] added
 - filters[year] added
 - Get /terms
 - filters[name] added
 - filters[year] added
- 07.07.2014
 - Get All Preferred Locations list method
 - Get All Lead Sources list method
 - Get /terms/with_programs
 - filter[hide_unknown] added
 - POST /students
 - new fields available “heard_about” and “preferred_location”
 - GET /universities
 - return list with alphabetically sorted universities
 - GET /majors
 - return list with alphabetically sorted student majors
 - GET /countries
 - return list with alphabetically sorted countries
- 20.05.2014
 - GET /universities
 - default response modified to return only Universities that are available for application
 - added the ‘show_all’ filter to override defaults and show all registered Universities
- 13.05.2014
 - GET /next-program updates:
 - ‘program_term’ entity renamed to ‘term’
 - filter[all_terms] added, with specific response format
 - fixed ‘total_fees’ value, added ‘cc_total_fees_allowed’ value
 - fixed term name not populating when pagination=0
- 12.07.2013
 - Get All Students list method
- 16.07.2013
 - Get All Payments list method
- 18.07.2013
 - Get All Applications list method
- 19.07.2013
 - Get All Countries list method

- Get All States list method
- Get All Universities list method
- Get All Programs list method
- Get All Program Terms list method
- Get All Majors list method
- Get All College Statuses list method
- 23.07.2013
 - Get Application Data method
- 25.07.2013
 - Get Application Checklist information method
- 31.07.2013
 - Get Terms With Associated Programs method
- 06.08.2013
 - Create Student method
- 19.08.2013
 - Added option to get all entries for programs, terms, majors, states, countries, college statuses, universities.
 - Modified wrapper to return json response.
- 22.08.2013
 - Date/time range filters for GET Payments method
- 28.08.2013
 - payment_id and payment_type filters for GET Payments method
- 04.09.2013
 - user_status field and filter for GET students method
- 23.09.2013
 - GET /notes method to retrieve student notes
 - GET /note-types method to retrieve student note types
- 26.09.2013
 - GET /employees method to get employees
- 29.10.2013
 - country info (id / name) for GET /universities method
 - country_id and state_id filter for GET /universities method
- 27.11.2013
 - GET /program-countries method to get countries for programs
 - GET /program-locations method to get locations for programs
 - GET /regions to get basic regions information
- 16.12.2013
 - GET filters[program_name]=Semester in Cyprus/?filters[program_name]=... method to get the next applicable program(s) matched by name.
- 12.02.2014
 - GET /program-languages method for getting programs languages list
 - updated GET /next-program with “facts” information.

Authentication

In order to use the API you need an API USER and an API KEY;
Each resource can handle one or more of the following HTTP methods : GET, PUT, DELETE, POST.

There are several required HTTP headers :

- Date in RFC 2822 format - for example: Thu, 11 Jul 2013 14:23:08 +0000 (please see <http://www.ietf.org/rfc/rfc2822.txt> for details on this format)
Note: the date / time must be GMT timezone based.
- X-GLSAPI-User - for example: gls_api
- X-GLSAPI-Accept - it can take 2 values: xml or json
- X-GLSAPI-Auth - for example: of+LxjLsAGY4x0ob8sbGKVo2FiQ=

The value of X-GLSAPI-Auth header is used for authentication of the request. See below the way this header is constructed:

step 1 : signature_string = concatenate strings (HTTP verb , Query String , X-GLSAPI-User header value , Date header value);

Note: Query String must have no starting "/", and must be separated by a single "/" from the X-GLSAPI-User string.

E.g: if the request is GET /students/?filters[id]=1111, the signature_string will look like below:
GETstudents/?filters[id]=1111/X-GLSAPI-UserThu, 11 Jul 2013 14:23:08 +0000
(where instead of "X-GLSAPI-User" will be used the real API USER).

step 2 : X-GLSAPI-Auth header value = HMAC-SHA1 (API KEY, signature_string)

The HMAC-SHA1 algorithm is explained in detail here:

<http://en.wikipedia.org/wiki/HMAC#Implementation>

Possible authentication errors

- AuthHeaderMissing - this means that the X-GLSAPI-Auth header was not detected in your request
- AuthTimeDifference - this means that the time difference between the request time and our server time is greater than allowed time. Please read the important note below.
- ClientHeaderMissing - this means that the X-GLSAPI-Client header was not detected in your request
- DateHeaderMissing - this means that the Date header was not detected in your request

- InvalidClient - the supplied API USER is not registered with our system
- InvalidSignature - the supplied signature in X-GLSAPI-Auth header is wrong. Possible reasons are: the signature_string was not properly computed, the HMAC algorithm was not properly calculated, the API KEY is wrong or not valid

Important: because the signature string relies on a timestamp it is very important to have your server/system time synchronized with a NTP server.

The web service allows 60 seconds time differences between the request date and server date.

API Reference

The following terminology will be used along the documentation:

- Sample Request - indicates a sample HTTP request sent to web service
- Sample Response - indicates a sample HTTP response returned by the web service
- Exception - the possible errors that the specific method can return
- Currently the web service supports XML and JSON.

Students

Get All

Notes:

- returns a list of students
- method signature GET /students/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - id
 - integer value representing an ID of a student
 - example: 1111
 - sis_student_id

- string value representing a valid SIS ID
 - example: TEST123 (must be url encoded)
- sis_track_flag
 - this int is a status flag for sis_student_id, with value from one of following:
 - 0 - student is not tracked in SIS (so sis_student_id is not present)
 - 1 - student has been flagged in CRM to be imported into SIS (sis_student_id is not present but is on course to be tracked)
 - 2 - student is being tracked in SIS (sis_student_id should be present)
- email
 - string value representing an email address (or part of it)
 - examples: john.doe@gmail.com, @emich.edu.
 - supports multiple values
- user_status
 - string value representing student status
 - allowed values: lead, closed, holding, enrollee, alumnus, applicant, student
- current_status
 - integer value representing an ID of a student college status
 - example: 2
- university
 - integer value representing an ID of a University
 - example: 2114
- last_login
 - date value in YYYY-MM-DD format
 - example: 2013-07-12
 - provides exact match results
- last_login_from
 - date-time value in YYYY-MM-DD HH:MM:SS format
 - example: 2013-07-12 08:00:00
 - allows range search on last_login values (specifies interval's start date)
 - must be URL encoded to be functional (e.g 2013-07-12%2008:00:00)
- last_login_to
 - date-time value in YYYY-MM-DD HH:MM:SS format
 - example: 2013-07-12 09:00:00
 - allows range search on last_login values (specifies interval's end date)
 - must be URL encoded to be functional (e.g 2013-07-12%2009:00:00)
- account_created
 - date value in YYYY-MM-DD format
 - example: 2013-07-12
 - provides exact match results
- account_created_from
 - date-time value in YYYY-MM-DD HH:MM:SS format

- example: 2013-07-12 08:00:00
 - allows range search on account_created values (specifies interval's start date)
 - must be URL encoded to be functional (e.g 2013-07-12%2008:00:00)
- account_created_to
 - date-time value in YYYY-MM-DD HH:MM:SS format
 - example: 2013-07-12 09:00:00
 - allows range search on account_created values (specifies interval's end date)
 - must be URL encoded to be functional (e.g 2013-07-12%2009:00:00)

Sample request

```
GET /students/?filters[id]=111500 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 795
Connection: close
Content-Type: text/xml
```

```
<students>
  <current_page>1</current_page>
  <total_pages>1</total_pages>
  <records_per_page>10</records_per_page>
  <student>
    <id>111500</id>
    <sis_student_id>TEST</sis_student_id>
    <sis_track_flag>2</sis_track_flag>
    <first_name>Johnson</first_name>
    <last_name>Mark</last_name>
    <middle_initial>T</middle_initial>
    <email>mark.johnson.22@gmail.com</email>
    <phone_number>9729732422</phone_number>
```



```
<current_status>
  <id>4</id>
  <name>College-Senior</name>
</current_status>
<user_status>Enrollee</user_status>
<user_type>
  <id>1</id>
  <name>Student</name>
</user_type>
<user_timezone></user_timezone>
<advisor_id>87336</advisor_id>
<qualification></qualification>
<SAO_student>No</SAO_student>
<major>
  <id>147</id>
  <name>Foreign Language / Literature German</name>
</major>
<date_account_created>6/24/2013
12:33:57</date_account_created>
<date_last_login>7/14/2013 15:47:02</date_last_login>
<utm_source>google</utm_source>
<utm_medium>cpc</utm_medium>
<utm_term>+study +abroad +summer 2014</utm_term>
<utm_content>one-step</utm_content>
<utm_campaign>Summer 2014</utm_campaign>
<university>
  <id>2324</id>
  <name>University of Texas at Arlington</name>
</university>
<term></term>
<date_last_contact>7/14/2013 15:53:25</date_last_contact>
<current_address>
  <address_line1></address_line1>
  <address_line2></address_line2>
  <address_line3></address_line3>
  <city></city>
  <zip></zip>
  <state></state>
  <country>
    <id>1</id>
    <name>United States</name>
  </country>
</current_address>
```

```
<permanent_address>
  <address_line1></address_line1>
  <address_line2></address_line2>
  <address_line3></address_line3>
  <city></city>
  <zip></zip>
  <state></state>
  <country></country>
</permanent_address>
</student>
</students>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 400 Invalid filter value Error - If one of the filters has an invalid value (e.g id not numeric, last_login not a valid date, etc) this error will be thrown
- 400 Page number is not valid Error - When the value of the page number parameter is negative or not numeric this error will be thrown
- 400 Page number out of range Error - When the value of the page number parameter is not less than or equal with the maximum page number value indicated in the results

Create

Notes:

- registers a new student
- method signature POST /students/

Parameters:

The following list of parameters can be sent through POST HTTP method:

- **first_name**={value} - the first name of the student [required]
- **last_name**={value} - the last name of the student [required]
- **email**={value} - the email address of the student; has to be in the format "local-part@hostname" [required]
- **password**={value} - student's password; minimum length is 6 characters [required]
- **status**={status_id} - the id of the college status of the student; must be one of the valid ids returned by the "/college-statuses" API method [required]
- **phone**={value} - the telephone number of the student; length between 7 and 15 characters [optional]

- **state**={state_id} - the id of the state for the student; must be one of the valid ids returned by the “/states” API method [optional]
- **country**={country_id} - the id of the country for the student; must be one of the valid ids returned by the “/countries” API method [optional]
- **term**={term_id} - the id of the term for the student; must be one of the valid ids returned by the “/terms” API method [optional]
- **major**={major_id} - the id of the student’s major; must be one of the valid ids returned by the “/majors” API method [optional]
- **university**={university_id} - the id of the university for the student; must be one of the valid ids returned by the “/universities” API method [optional]
- **id_advisor**={id_advisor} - the id of the student’s advisor; no API method is available to get advisor IDs for the moment; if not specified, an advisor is assigned to the student by the system [optional]
- **utm_source**={utm_source_value} - the value of utm_source [optional]
- **utm_medium**={utm_medium_value} - the value of utm_medium [optional]
- **utm_term**={utm_term_value} - the value of utm_term [optional]
- **utm_content**={utm_content_value} - the value of utm_content [optional]
- **utm_campaign**={utm_campaign_value} - the value of utm_campaign [optional]
- **created_date**={date_value} - the date when the student was created (yyyy-mm-dd format UTC timezone) [optional]
- **hour**={hour_value} - the hour when the student was created (0 - 23 interval UTC timezone) [optional]
- **minute**={minute_value} - the minute when then student was created (0 - 59 interval UTC timezone) [optional]
- **preferred_location**={preferred_location_value} - the id of preferred location; must be one of the valid ids returned by the “/preferred-locations” API method [optional]
- **heard_about**={heard_about_value} - the id of lead source; must be one of the valid ids returned by the “/lead-sources” API method [optional]
- **ip**={ip_address_value} - valid ip address[optional]
- **program**={program_value} - the id of interested in program; must be one of the valid ids returned by the “GET /programs” method [optional]
- **sis_student_id**={sis_student_id_value} - the id of the student from your internal SIS (Student Information System). Setting a value for this will automatically set the value for [sis_track_flag] to 2 (“tracking”). [sis_student_id is optional]

Sample request

```
POST /students HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

first_name=stud_first&last_name=stud_last&email=student%40univ.com&phone=1234567890&country=1&status=2&major=16&term=111&password=123454321&created_date=2013-07-10

Sample response (SUCCESS):

HTTP/1.1 201

Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 795
Connection: close
Content-Type: text/xml

<student_id>177219</student_id>

Sample response (ERROR):

HTTP/1.1 400 Bad Request

Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 795
Connection: close
Content-Type: text/xml

```
<error>
  <code>ValidationError</code>
  <message>
    <first_name>
      <isEmpty>Value is required and can't be empty</isEmpty>
    </first_name>
    <last_name>
      <isEmpty>Value is required and can't be empty</isEmpty>
    </last_name>
    <phone>
      <stringLengthTooLong>' +402131705342343242' is more than
15 characters long</stringLengthTooLong>
    </phone>
    <country>
      <noRecordFound>No record matching 1111 was
found</noRecordFound>
```

```
    </country>
    <status>
      <noRecordFound>No record matching 44 was
found</noRecordFound>
    </status>
    <term>
      <noRecordFound>No record matching 1111 was
found</noRecordFound>
    </term>
    <created_date>
      <dateFalseFormat>'dd' does not fit the date format
'yyyy-MM-dd'</dateFalseFormat>
    </created_date>
    <hour>
      <notBetween>'555' is not between '0' and '23',
inclusively</notBetween>
    </hour>
    <minute>
      <notBetween>'23432' is not between '0' and '59',
inclusively</notBetween>
    </minute>
    <id_advisor>
      <noRecordFound>No record matching 333 was
found</noRecordFound>
    </id_advisor>
    <major>
      <noRecordFound>No record matching -3 was
found</noRecordFound>
    </major>
    <state>
      <noRecordFound>No record matching 999 was
found</noRecordFound>
    </state>
    <university>
      <notInt>'de' does not appear to be an integer</notInt>
    </university>
    <password>
      <stringLengthTooShort>'***' is less than 6 characters
long</stringLengthTooShort>
    </password>
    <email>
      <emailAddressInvalid>Email address is not
valid</emailAddressInvalid>
```

```
        </email>
    </message>
</error>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 400 Bad Request Error - The POST request doesn't accomplish all the required fields or there are fields whose values does not meet the requirements. In this case a message with all the errors found will be returned (see the sample above).
- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request

Update

Notes:

- update one or more field values of an existing student
- method signature POST /students/{id_student}

Parameters:

All parameters are optional, but only the following are allowed to be changed this POST method:

- **first_name**={value} - the first name of the student [optional]
- **last_name**={value} - the last name of the student [optional]
- **status**={status_id} - the id of the college status of the student; must be one of the valid ids returned by the "/college-statuses" API method [optional]
- **phone**={value} - the telephone number of the student; length between 7 and 15 characters [optional]
- **state**={state_id} - the id of the state for the student; must be one of the valid ids returned by the "/states" API method [optional]
- **country**={country_id} - the id of the country for the student; must be one of the valid ids returned by the "/countries" API method [optional]
- **major**={major_id} - the id of the student's major; must be one of the valid ids returned by the "/majors" API method [optional]
- **university**={university_id} - the id of the university for the student; must be one of the valid ids returned by the "/universities" API method [optional]
- **id_advisor**={id_advisor} - the id of the student's advisor; no API method is available to get advisor IDs for the moment; if not specified, an advisor is assigned to the student by the system [optional]
- **utm_source**={utm_source_value} - the value of utm_source [optional]
- **utm_medium**={utm_medium_value} - the value of utm_medium [optional]
- **utm_term**={utm_term_value} - the value of utm_term [optional]

- **utm_content**={utm_content_value} - the value of utm_content [optional]
- **utm_campaign**={utm_campaign_value} - the value of utm_campaign [optional]
- **sis_student_id**={sis_student_id_value} - the id of the student from SIS (Student Information System) [optional]

Sample request

```
POST /students/123456 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

```
first_name=stud_first&last_name=stud_last&password=123454321
```

Sample response (SUCCESS):

```
HTTP/1.1 204
```

Sample response (ERROR):

```
HTTP/1.1 400 Bad Request
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 795
Connection: close
Content-Type: text/xml
```

```
<error>
  <code>ValidationError</code>
  <message>
    <first_name>
      <isEmpty>Value is required and can't be empty</isEmpty>
    </first_name>
    <last_name>
      <isEmpty>Value is required and can't be empty</isEmpty>
    </last_name>
    <phone>
      <stringLengthTooLong>' +402131705342343242' is more than
15 characters long</stringLengthTooLong>
```

```
</phone>
<country>
  <noRecordFound>No record matching 1111 was
found</noRecordFound>
</country>
<status>
  <noRecordFound>No record matching 44 was
found</noRecordFound>
</status>
<term>
  <noRecordFound>No record matching 1111 was
found</noRecordFound>
</term>
<created_date>
  <dateFalseFormat>'dd' does not fit the date format
'yyyy-MM-dd'</dateFalseFormat>
</created_date>
<hour>
  <notBetween>'555' is not between '0' and '23',
inclusively</notBetween>
</hour>
<minute>
  <notBetween>'23432' is not between '0' and '59',
inclusively</notBetween>
</minute>
<id_advisor>
  <noRecordFound>No record matching 333 was
found</noRecordFound>
</id_advisor>
<major>
  <noRecordFound>No record matching -3 was
found</noRecordFound>
</major>
<state>
  <noRecordFound>No record matching 999 was
found</noRecordFound>
</state>
<university>
  <notInt>'de' does not appear to be an integer</notInt>
</university>
<password>
  <stringLengthTooShort>'***' is less than 6 characters
long</stringLengthTooShort>
```



```
        </password>
        <email>
            <emailAddressInvalid>Email address is not
valid</emailAddressInvalid>
        </email>
    </message>
</error>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 400 Bad Request Error - The POST request doesn't accomplish all the required fields or there are fields whose values does not meet the requirements. In this case a message with all the errors found will be returned (see the sample above).
- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request

Payments

Get All

Notes:

- returns a list of student payments
- method signature GET /payments/
- the method returns a common list of fields for all supported payment processors (Authorize.net, JCC, Paypal)
- Paypal payments may have two additional specific fields:
 - txn_id
 - payer_email

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - student_id
 - integer value representing an ID of a student
 - example: 1111
 - datetime_from

- date-time value in yyyy-mm-dd hh:mm:ss format
 - example: 2013-07-15 17:30:00
 - marks the start datetime of the payment date range filter
 - datetime_to
 - date-time value in yyyy-mm-dd hh:mm:ss format
 - example: 2013-07-16 12:00:00
 - marks the end datetime of the payment date range filter
 - payment_id
 - integer value representing an ID of a payment
 - example: 1122
 - multiple payment_id filters are supported, see [filters section](#)
 - payment_type
 - string value representing payment's type
 - allowed values: paypal / non_paypal
- the datetime filters are strictly validated against the expected format, therefore their both date and time parts must be completely specified;
- the datetime filters values have to be URL-encoded, e.g:
filters[datetime_from]=2013-07-15%2018:00:00 (space is encoded as %20 in URLs);
- a payment's ID may not be unique (there may be a Paypal payment and a non-Paypal payment having the same ID); in order to retrieve information about a specific payment by its ID, also payment_type filter has to be used in conjunction.

Sample request

```
GET /payments/?filters[student_id]=111576 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 845
Connection: close
Content-Type: text/xml
```

```
<payments>
  <current_page>1</current_page>
```

```
<total_pages>1</total_pages>
<records_per_page>10</records_per_page>
<payment>
  <payment_id>112233</payment_id>
  <payment_type>non_paypal</payment_type>
  <student_id>111576</student_id>
  <student_name>John Mayer</student_name>
  <program_id>55002</program_id>
  <program_name>Semester in Cyprus</program_name>
  <program_term>
    <id>107</id>
    <name>Fall 2013</name>
  </program_term>
  <type>Application Fee</type>
  <date>2013-04-12 15:42:32</date>
  <amount>11.11</amount>
  <status>Successful</status>
  <transaction_id>1234567</transaction_id>
  <ip>10.11.12.13</ip>
  <transaction_type>Authorisation &
Capture</transaction_type>
  <result>Approved</result>
</payment>
</payments>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 400 Invalid filter value Error - If one of the filters has an invalid value (e.g student_id not numeric) this error will be thrown
- 400 Page number is not valid Error - When the value of the page number parameter is negative or not numeric this error will be thrown
- 400 Page number out of range Error - When the value of the page number parameter is not less than or equal with the maximum page number value indicated in the results

Applications

Get All

Notes:

- returns a list of student applications
- method signature GET /applications/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - id
 - integer value representing an ID of an application
 - example: 678901
 - student_id
 - integer value representing an ID of a student
 - example: 1111
 - program_id
 - integer value representing an ID of a program
 - example: 68821
 - date_submitted
 - date value in YYYY-MM-DD format
 - example: 2013-07-18

Sample request

```
GET /applications/?filters[program_id]=54985 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 795
Connection: close
Content-Type: text/xml
```

```

<applications>
  <current_page>1</current_page>
  <total_pages>1</total_pages>
  <records_per_page>10</records_per_page>
  <application>
    <id>12345</id>
    <student_id>23443</student_id>
    <student_name>Jeremy Stewart</student_name>
    <program>
      <id>54985</id>
      <name>Summer in Paris: French Language 4-wks Session
II</name>
    </program>
    <university>
      <id>2364</id>
      <name>West Virginia University</name>
    </university>
    <country>
      <id>1</id>
      <name>United States</name>
    </country>
    <application_status>
      <id>7</id>
      <name>Student</name>
    </application_status>
    <date_submitted>2013-02-11</date_submitted>
  </application>
  .....
</applications>

```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 400 Invalid filter value Error - If one of the filters has an invalid value (e.g student_id not numeric, date_submitted not a valid date, etc) this error will be thrown
- 400 Page number is not valid Error - When the value of the page number parameter is negative or not numeric this error will be thrown
- 400 Page number out of range Error - When the value of the page number parameter is not less than or equal with the maximum page number value indicated in the results

Get Application Data

Notes:

- returns details of a student application
- method signature GET /applications/ID

Sample request

```
GET /applications/123456 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 625
Connection: close
Content-Type: text/xml
```

```
<application>
  <id>123456</id>
  <student_id>123</student_id>
  <program_id>68987</program_id>
  <first_name>Tawona</first_name>
  <last_name>Nyirongo</last_name>
  <gender>Female</gender>
  <city>Lusaka</city>
  <state_province>Lusaka</state_province>
  <postal_code>10101</postal_code>
  <country_id>190</country_id>
  <nationality>190</nationality>
  <preferred_calling_time>Evening</preferred_calling_time>
  <phone_no>260911223344</phone_no>
  <email>email@email.com</email>
  <address_line1>P.O.Box 112233</address_line1>
  <address_line2>Parliament Building</address_line2>
```

```
<address_line3></address_line3>
<date_of_birth>04-21-1983</date_of_birth>
<eu_citizen>1</eu_citizen>
<national_id>NID12344321</national_id>
<passport_number>12344321-11221</passport_number>
<passport_issue_date>2013-01-31</passport_issue_date>
<passport_expiry_date>2018-01-31</passport_expiry_date>
<disability>No</disability>
<first_lang_eng>Yes</first_lang_eng>
<race>Black / African American</race>
<photo>https://www.globalsemesters.com/document-download.html?doc_type=photo&id_user=123</photo>
  <visa_type>Visitor</visa_type>
<proof_of_id>https://www.globalsemesters.com/document-download.html?doc_type=proof_of_id&id_user=123&id_app=12345</proof_of_id>
  <level_of_education>College-Recent Graduate / Not In College</level_of_education>
  <educational_background>Postgraduate Diploma Business Administration -Finance
</educational_background>
  <work_experience>2008 - todate - National Assembly of Zambia as a system, security and network specialist
</work_experience>
<proof_of_proficiency></proof_of_proficiency>
<transferred>No</transferred>
<personal_statement>I want to study abroad</personal_statement>
<heard_about>Google search.</heard_about>
<certified>No</certified>
  <program_term_id>154</program_term_id>
</application>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 404 Application not found error - If the application ID is not found, this error will be thrown

Get Application Checklist information

Notes:

- returns information about the checklist of a student application
- method signature GET /applications/ID/checklist

Sample request

```
GET /applications/123456/checklist HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 625
Connection: close
Content-Type: text/xml
```

```
<application_checklist>
  <id>123456</id>
  <student_id>123321</student_id>
  <program_id>68866</program_id>
  <online_application_submitted>yes</online_application_submitted>

  <transcripts_qualifications_received>yes</transcripts_qualifications_
received>
  <application_fee_received>no</application_fee_received>
  <application_deposit_received>yes</application_deposit_received>
  <transcripts_qualifications_files>

  <transcripts_qualifications_file>https://www.globalsemasters.com/docu
ment-download.html?doc_type=transcript&id_app=12345&id_doc=12
345</transcripts_qualifications_file>
  </transcripts_qualifications_files>
  <application_fee_files/>
  <application_deposit_files>
  <application_deposit_file>https://www.globalsemasters.com/document-do
wnload.html?doc_type=app_fee&id_app=12345&id_doc=12347</appli
```



```
cation_deposit_file>
  </application_deposit_files>
</application_checklist>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 404 Application not found error - If the application ID is not found, this error will be thrown

Countries

Get All

Notes:

- returns a list of countries
- method signature GET /countries/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is != 0 this parameter will be ignored.

Sample request

```
GET /countries/ HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 795
Connection: close
Content-Type: text/xml

```
<countries>
  <current_page>1</current_page>
  <total_pages>20</total_pages>
  <records_per_page>10</records_per_page>
  <country>
    <id>1</id>
    <name>United States</name>
    <code>US</code>
  </country>
  <country>
    <id>2</id>
    <name>Canada</name>
    <code>CA</code>
  </country>
  .....
</countries>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 400 Page number is not valid Error - When the value of the page number parameter is negative or not numeric this error will be thrown
- 400 Page number out of range Error - When the value of the page number parameter is not less than or equal with the maximum page number value indicated in the results

States

Get All

Notes:

- returns a list of US states
- method signature GET /states/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0 (ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is != 0 this parameter will be ignored.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - country
 - integer value representing an ID of country (returned from GET /countries method)
 - example: 2 for Canada

Sample request

```
GET /states/ HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 544
Connection: close
Content-Type: text/xml
```

```
<states>
  <current_page>1</current_page>
  <total_pages>8</total_pages>
  <records_per_page>10</records_per_page>
  <state>
    <id>1</id>
    <name>Alabama</name>
```

```
    <code>AL</code>
  </state>
  <state>
    <id>2</id>
    <name>Alaska</name>
    <code>AK</code>
  </state>
  .....
</states>
```

Universities

Get All

Notes:

- returns a list of universities that are available for application
- method signature GET /universities/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is != 0 this parameter will be ignored.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - country_id
 - integer value representing an ID of a country (returned by GET /countries)
 - example: 1 (United States)
 - state_id
 - integer value representing the ID of a state (returned by GET / states)
 - example: 1 (AL / Alabama, US).
 - show_all (optional)
 - by default the method return only Universities that are available for application; enabling this filter shows all the Universities in the system
 - values: 1 - enabled; 0 - disabled

Sample request

```
GET /universities?filters[country_id]=1&filters[state_id]=13 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 835
Connection: close
Content-Type: text/xml
```

```
<universities>
  <current_page>1</current_page>
  <total_pages>11</total_pages>
  <records_per_page>10</records_per_page>
  <university>
    <id>1</id>
    <name>Abraham Baldwin Agricultural Coll</name>
    <state>
      <id>13</id>
      <name>Georgia</name>
    </state>
    <country>
      <id>1</id>
      <name>United States</name>
    </country>
  </university>
  .....
</universities>
```

Programs

Get All

Notes:

- returns a list of programs
- method signature GET /programs/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is != 0 this parameter will be ignored.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - program_id
 - integer value representing program's ID
 - example: 12345
 - can be set as multiple IDs filter, in the form below:
GET /programs?filters[program_id][]=12345&filters[program_id][]=67890
 - program_name
 - string value representing program's name
 - example: BA (Hons) Accounting
 - performs exact match against the name of programs
 - term_id
 - integer value representing an ID of a program term
 - example: 1500
 - enrollment_begin_date_from
 - date value in YYYY-MM-DD format
 - example: 2013-07-31
 - sets the filter start value for the begin enrollment date
 - enrollment_begin_date_to
 - date value in YYYY-MM-DD format
 - example: 2013-12-31
 - sets the filter end value for the begin enrollment date
 - enrollment_close_date_from
 - date value in YYYY-MM-DD format
 - example: 2013-07-31
 - sets the filter start value for the close enrollment date

- enrollment_close_date_to
 - date value in YYYY-MM-DD format
 - example: 2013-12-31
 - sets the filter end value for the close enrollment date

Sample request

```
GET /programs/?filters[term_id]=1 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 776
Connection: close
Content-Type: text/xml
```

```
<programs>
  <current_page>1</current_page>
  <total_pages>86</total_pages>
  <records_per_page>10</records_per_page>
  <program>
    <id>15000</id>
    <name>Semester in Europe: EU</name>
    <program_term_id>1</program_term_id>
    <date_from>2007-01-26</date_from>
    <date_to>2007-05-19</date_to>
    <enrollment_begin_date>2013-08-01</enrollment_begin_date>
    <enrollment_close_date>2014-04-15</enrollment_close_date>
    <sis_program_id>SIEEU</sis_program_id>
  </program>
  .....
</programs>
```

Program Terms

Get All

Notes:

- returns a list of (current year and future) program terms
- method signature GET /terms/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is != 0 this parameter will be ignored.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - hide_unknown
 - integer value
 - example 1
 - when is sent with value 1, "Unknown" term is removed from list
 - name
 - string value representing term name
 - examples: Spring, Fall
 - performs "LIKE" match against the names of the term name
 - can be set as multiple names filter, in the form below: GET /terms?filters[name][]=Spring&filters[name][]=Fall
 - year
 - string value representing year for a term
 - examples: 2013,2012-2013
 - can be set as multiple years filter, in the form below: GET /terms?filters[year][]=2013&filters[year][]=2013-2014

Sample request

```
GET /terms/ HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```


Sample response:

HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:55:54 GMT

Server: crmapi.abroadoffice.net

Content-Length: 682

Connection: close

Content-Type: text/xml

```
<program_terms>
  <current_page>1</current_page>
  <total_pages>4</total_pages>
  <records_per_page>10</records_per_page>
  <program_term>
    <id>100</id>
    <name>Spring 2013</name>
    <year>2013</year>
  </program_term>
  .....
</program_terms>
```

Get All Terms with associated programs

Notes:

- returns a list of (current year and future) program terms having associated programs
- method signature GET /terms/with_programs

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is != 0 this parameter will be ignored.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - hide_unknown
 - integer value
 - example 1
 - when is sent with value 1, "Unknown" term is removed from list

- when is not sent or filter have other value than 1 , “Unknown” term is listed
 - name
 - string value representing term name
 - examples: Spring, Fall
 - performs “LIKE” match against the names of the term name
 - can be set as multiple names filter, in the form below: GET /terms?filters[name][]=Spring&filters[name][]=Fall
 - year
 - string value representing year for a term
 - examples: 2013,2012-2013
 - can be set as multiple years filter, in the form below: GET /terms?filters[year][]=2013&filters[year][]=2013-2014

Sample request

```
GET /terms/with_programs HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 682
Connection: close
Content-Type: text/xml

<program_terms>
  <current_page>1</current_page>
  <total_pages>4</total_pages>
  <records_per_page>10</records_per_page>
  <program_term>
    <id>111</id>
    <name>August 2013</name>
    <year>2013</year>
  </program_term>
  .....
```

</program_terms>

Majors

Get All

Notes:

- returns a list of student majors
- method signature GET /majors/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is != 0 this parameter will be ignored.

Sample request

```
GET /majors/ HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 682
Connection: close
Content-Type: text/xml
```

```
<majors>
  <current_page>1</current_page>
  <total_pages>10</total_pages>
```

```

<records_per_page>10</records_per_page>
<major>
  <id>3</id>
  <name>Anthropology & Archeology</name>
</major>
<major>
  <id>5</id>
  <name>Art Fine & Studio</name>
</major>
.....
</majors>

```

College Statuses

Get All

Notes:

- returns a list of college statuses
- method signature GET /college-statuses/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is != 0 this parameter will be ignored.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - id
 - integer value representing college status ID
 - example: 1
 - can be set as multiple IDs filter, in the form below:
GET /college-statuses/?filters[id][]=1&filters[id][]=2
 - student
 - integer value 1 for filter only student statuses, other value to list all statuses
 - example: 1 GET /college-statuses/?filters[student][]=1

Sample request

```
GET /college-statuses/ HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 682
Connection: close
Content-Type: text/xml
```

```
<college_statuses>
  <current_page>1</current_page>
  <total_pages>1</total_pages>
  <records_per_page>10</records_per_page>
  <college_status>
    <id>1</id>
    <name>College-Freshman</name>
  </college_status>
  <college_status>
    <id>2</id>
    <name>College-Sophomore</name>
  </college_status>
  .....
</college_statuses>
```

Student notes

Get All

Notes:

- returns a list of student notes

- method signature GET /notes/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is other value than 0, this parameter will be ignored. In this case, using the pagination=0 parameter is not recommended, because of the very large number of results.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - student_id
 - integer value representing student's ID
 - example: 12345
 - can be set as multiple IDs filter, in the form below:
GET /notes?filters[student_id][]=12345&filters[student_id][]=67890.
 - added_by_id
 - integer value representing the ID of the user / advisor that added the note
 - example: 13579
 - can be set as multiple IDs filter, in the form below:
GET /notes?filters[added_by_id][]=13579&filters[added_by_id][]=24680..
 - note_type_id
 - integer value representing the ID of the note type
 - must be one of the "id" value returned by GET /note-types method
 - example: 1
 - datetime_from
 - date-time value in YYYY-MM-DD HH:MM:SS format representing the start value of the "datetime" field range filter
 - example: 2013-08-31 00:00:00
 - must be URL encoded to be functional (ex: 2013-08-31%2000:00:00)
 - datetime_to
 - date-time value in YYYY-MM-DD HH:MM:SS format representing the end value of the "datetime" field range filter
 - example: 2013-08-31 23:59:59
 - must be URL encoded to be functional (ex: 2013-08-31%2023:59:59)

Sample request

```
GET /notes/?filters[student_id]=12345 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 1036
Connection: close
Content-Type: text/xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<notes>
  <current_page>1</current_page>
  <total_pages>2</total_pages>
  <records_per_page>10</records_per_page>
  <note>
    <id>573040</id>
    <student_id>12345</student_id>
    <added_by_id>12346</added_by_id>
    <note_type_id>1</note_type_id>
    <note_text>I spoke to the student. She asked me to call her back in
1 hour.</note_text>
    <datetime>2013-05-17 17:31:44</datetime>
  </note>
  .....
</notes>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 400 Invalid filter value Error - If one of the filters has an invalid value (e.g student_id not numeric, datetime_from not a valid date-time value, etc) this error will be thrown
- 400 Page number is not valid Error - When the value of the page number parameter is negative or not numeric this error will be thrown

- 400 Page number out of range Error - When the value of the page number parameter is not less than or equal with the maximum page number value indicated in the results.

Create

Notes:

- creates a new student note
- method signature POST /notes/

Parameters:

The following list of parameters can be sent through POST HTTP method:

- **student_id**={value} - the ID of the student [required]
- **note_text**={value} - the text of the student note [required]
- **note_type_id**={value} - the ID of the note type (one of the "id" values returned by GET /note-types method)
- **added_by_id**={value} - the ID of the user that added the note [required] (one of the "id" values returned by GET /employees method)
- **datetime**={value} - the timestamp when the note was created [optional] (validated against YYYY-MM-DD HH:MM:SS format; set as current timestamp when not provided).

Sample request

```
POST /notes HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=

student_id=12345&note_text=Student%20note%20sample%20text&note_type_id=1&added_by_id=98765&datetime=2013-07-10%2018:45:00
```

Sample response (SUCCESS):

```
<?xml version="1.0" encoding="UTF-8"?>
<note_id>1186500</note_id>
```

Sample response (ERROR):

```
HTTP/1.1 400 Bad Request
```


Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 795
Connection: close
Content-Type: text/xml

```
<?xml version="1.0" encoding="UTF-8"?>
<error>
  <code>ValidationError</code>
  <message>
    <note_text>
      <isEmpty>Value is required and can't be empty</isEmpty>
    </note_text>
    <note_type_id>
      <noRecordFound>No record matching 22 was found</noRecordFound>
    </note_type_id>
    <student_id>
      <noRecordFound>No record matching 2 was found</noRecordFound>
    </student_id>
    <added_by_id>
      <noRecordFound>No record matching 0 was found</noRecordFound>
    </added_by_id>
    <datetime>
      <dateInvalidDate>Invalid datetime value</dateInvalidDate>
    </datetime>
  </message>
</error>
```

Note Types

Get All

Notes:

- returns a list of available note types
- method signature GET /note-types/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

Sample request

```
GET /note-types/ HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 832
Connection: close
Content-Type: text/xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<note_types>
  <current_page>1</current_page>
  <total_pages>2</total_pages>
  <records_per_page>10</records_per_page>
  <note_type>
    <id>1</id>
    <name>Outbound Call - Spoke</name>
  </note_type>
  <note_type>
    <id>2</id>
    <name>Outbound Call - Left Message</name>
  </note_type>
  .....
</note_types>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 400 Page number is not valid Error - When the value of the page number parameter is negative or not numeric this error will be thrown

- 400 Page number out of range Error - When the value of the page number parameter is not less than or equal with the maximum page number value indicated in the results.

Employees

Get All

Notes:

- returns a list of employees
- method signature GET /employees/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is other value than 0, this parameter will be ignored. In this case, using the pagination=0 parameter is recommended, in order to get all values at once.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - id
 - integer value representing employee's ID
 - example: 12345
 - can be set as multiple filters, in the form below:
GET /employees?filters[id][]=12345&filters[id][]=67890.
 - first_name
 - string value representing the first name (or part of it) of the user
 - example: John
 - last_name
 - string value representing the last name (or part of it) of the user
 - example: Doe
 - advisor
 - string value specifying if the user is an advisor or not
 - possible values: yes / no
 - example: yes

Sample request

```
GET /employees/?filters[id]=12345 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:55:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:55:54 GMT
Server: crmapi.abroadoffice.net
Content-Length: 795
Connection: close
Content-Type: text/xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<employees>
  <current_page>1</current_page>
  <total_pages>6</total_pages>
  <records_per_page>10</records_per_page>
  <employee>
    <id>12345</id>
    <first_name>Nicholas</first_name>
    <last_name>Johnson</last_name>
    <advisor>no</advisor>
    <user_type>
      <id>7</id>
      <name>Admission User</name>
    </user_type>
  </employee>
</employees>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 400 Invalid filter value Error - If one of the filters has an invalid value (e.g id not numeric, first_name is empty, etc) this error will be thrown
- 400 Page number is not valid Error - When the value of the page number parameter is

negative or not numeric this error will be thrown

- 400 Page number out of range Error - When the value of the page number parameter is not less than or equal with the maximum page number value indicated in the results

Program countries

Get All

Notes:

- returns a list of program countries
- method signature GET /program-countries/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is other value than 0, this parameter will be ignored. In this case, using the pagination=0 parameter is recommended, in order to get all values at once.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - region_id
 - integer value representing a region ID (returned by GET /regions API call)
 - example: 1 (Europe)
 - can be set as multiple filters, in the form below:
GET /program-countries?filters[region_id][]=1&filters[region_id][]=2.
 - id
 - integer value representing primary key
 - example: 3 (Albania)
 - can be set as multiple filters as you can see below
/program-countries?filters[id][]=3&filters[id][]=4

Sample request

```
GET /program-countries/ HTTP/1.1
Host: crmapi.abroadoffice.net
```

Date: Thu, 11 Jul 2013 09:58:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=

Sample response:

HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:58:55 GMT
Server: crmapi.abroadoffice.net
Content-Length: 815
Connection: close
Content-Type: text/xml

```
<?xml version="1.0" encoding="UTF-8"?>
<program_countries>
  <current_page>1</current_page>
  <total_pages>6</total_pages>
  <records_per_page>10</records_per_page>
  <program_country>
    <id>279</id>
    <name>Holy See  Vatican City</name>
    <region>
      <id>1</id>
      <name>Europe</name>
    </region>
  </program_country>
  <program_country>
    <id>371</id>
    <name>Svalbard</name>
    <region>
      <id>1</id>
      <name>Europe</name>
    </region>
  </program_country>
  ....
</program_countries>
```

Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which

prevented it from fulfilling the request

- 400 Page number is not valid Error - When the value of the page number parameter is negative or not numeric this error will be thrown
- 400 Page number out of range Error - When the value of the page number parameter is not less than or equal with the maximum page number value indicated in the results
- 400 Invalid filter value Error - If one of the filters has an invalid value (e.g id not numeric, first_name is empty, etc) this error will be thrown

Program locations

Get All

Notes:

- returns a list of program locations
- method signature GET /program-locations/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is other value than 0, this parameter will be ignored. In this case, using the pagination=0 parameter is recommended, in order to get all values at once.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - country_id
 - integer value representing a program country ID
 - example: 64 (Cyprus)
 - can be set as multiple filters, in the form below:
GET /program-locations?filters[country_id][]=1&filters[country_id][]=64.
 - id
 - integer value representing primary key
 - example: 3 (Limassol)
 - can be set as multiple filters as you can see below
/program-locations?filters[id][]=3&filters[id][]=4

Sample request

```
GET /program-locations/?filters[country_id]=64 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:58:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:58:55 GMT
Server: crmapi.abroadoffice.net
Content-Length: 815
Connection: close
Content-Type: text/xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<program_locations>
  <current_page>1</current_page>
  <total_pages>1</total_pages>
  <records_per_page>10</records_per_page>
  <program_location>
    <id>3</id>
    <name>Limassol</name>
    <country>
      <id>64</id>
      <name>Cyprus</name>
    </country>
  </program_location>
  <program_location>
    <id>4</id>
    <name>Larnaka</name>
    <country>
      <id>64</id>
      <name>Cyprus</name>
    </country>
  </program_location>
  ....
</program_locations>
```


Error codes:

A list with available HTTP status codes that this method can return:

- 500 Internal Service Error - The service encountered an unexpected condition which prevented it from fulfilling the request
- 400 Invalid filter value Error - If one of the filters has an invalid value (e.g id not numeric, first_name is empty, etc) this error will be thrown
- 400 Page number is not valid Error - When the value of the page number parameter is negative or not numeric this error will be thrown
- 400 Page number out of range Error - When the value of the page number parameter is not less than or equal with the maximum page number value indicated in the results.

Regions

Get All

Notes:

- returns a list of regions
- method signature GET /regions/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is other value than 0, this parameter will be ignored. In this case, using the pagination=0 parameter is recommended, in order to get all values at once.

Sample request

```
GET /regions/ HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:58:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:58:55 GMT

Server: crmapi.abroadoffice.net

Content-Length: 815

Connection: close

Content-Type: text/xml

```
<?xml version="1.0" encoding="UTF-8"?>
<regions>
  <current_page>1</current_page>
  <total_pages>1</total_pages>
  <records_per_page>10</records_per_page>
  <region>
    <id>1</id>
    <name>Europe</name>
  </region>
  <region>
    <id>2</id>
    <name>Africa</name>
  </region>
  ...
</regions>
```

Next Program(s)

Get All

Notes:

- returns the details of next applicable program(s) matching a given name
- method signature GET /next-program/?filters[program_name]=....

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is != 0 this parameter will be ignored.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - program_name (REQUIRED)
 - string value representing program's name
 - example: BA (Hons) Accounting
 - performs "LIKE" match against the words of the program name, preserving the same order for them as in the filter
 - IMPORTANT: this filter is mandatory, if not set will trigger an exception
 - from_date
 - date value in YYYY-MM-DD format
 - example: 2013-12-31
 - sets the start value of application date filter (defaults to current date), meaning that next programs are retrieved starting with this date as reference.
 - all_terms
 - values {0|1} - (default 0);
 - if value is 1 the method will return details for the found programs, while also grouping all found terms for which the student can apply
 - also it ignores 'from_date' param, and considers only programs open for application at the date of the request:
 - *program open enrollment date < current_date*
 - and *current date < program close enrollment date*

Sample request

```
GET /next-program/?filters[program_name]=Semester%20in%20Europe
HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:57:35 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:57:36 GMT
Server: crmapi.abroadoffice.net
Content-Length: 522
Connection: close
Content-Type: text/xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<next_programs>
  <current_page>1</current_page>
  <total_pages>1</total_pages>
  <records_per_page>10</records_per_page>
  <next_program>
    <id>68298</id>
    <name>Semester in Europe</name>
    <program_term>
      <id>118</id>
      <name>Fall 2014</name>
    </program_term>
    <date_from>2014-09-04</date_from>
    <date_to>2014-12-19</date_to>
    <enrollment_begin_date>2013-03-22</enrollment_begin_date>
    <enrollment_close_date>2014-06-15</enrollment_close_date>
    <facts>
      <host_institution>
        <id>3</id>
        <name>University of Nicosia</name>
      </host_institution>
      <locations>
        <location>
          <id>9</id>
          <name>Nicosia</name>
          <host>1</host>
        </location>
        <location>
          <id>4</id>
          <name>Larnaka</name>
          <host>0</host>
        </location>
      </locations>
      <program_fees>
        <total_fees>1275</total_fees>
        <application_fee>55.00</application_fee>
        <deposit_fee>1200.00</deposit_fee>
        <cc_total_fees_allowed>1275</cc_total_fees_allowed>
        <currency>USD</currency>
      </program_fees>
      <minimum_gpa>2.5</minimum_gpa>
      <minimum_college_status_id>2</minimum_college_status_id>
    </facts>
  </next_program>
</next_programs>
```

```

    <language_requirement>1</language_requirement>
    <language_id>19</language_id>
    <semesters_college_equivalency>3</semesters_college_equivalency>
  </facts>
</next_program>
.....
</next_programs>

```

Sample response with filter[all_terms]=1:

```

<?xml version="1.0" encoding="UTF-8"?>
<next_programs>
  <current_page>1</current_page>
  <total_pages>1</total_pages>
  <records_per_page>10</records_per_page>
  <next_program>
    <program_terms>
      <program_term>
        <id>68298</id>
        <name>Semester in Europe</name>
        <term>
          <id>118</id>
          <name>Fall 2014</name>
        </term>
        <date_from>2014-09-04</date_from>
        <date_to>2014-12-19</date_to>
        <enrollment_begin_date>2013-03-22</enrollment_begin_date>
        <enrollment_close_date>2014-06-15</enrollment_close_date>
        <facts>
          <host_institution>
            <id>3</id>
            <name>University of Nicosia</name>
          </host_institution>
          <locations>
            <location>
              <id>9</id>
              <name>Nicosia</name>
              <host>1</host>
            </location>
          </locations>
          <program_fees>
            <total_fees></total_fees>
            <application_fee>50</application_fee>
            <deposit_fee>1000</deposit_fee>
          </program_fees>
        </facts>
      </program_term>
    </program_terms>
  </next_program>
</next_programs>

```

```
<cc_total_fees_allowed>1300</cc_total_fees_allowed>
  <currency>USD</currency>
</program_fees>
<minimum_gpa>2.5</minimum_gpa>
<minimum_college_status_id>2</minimum_college_status_id>
<language_requirement>2</language_requirement>
<language_id>0</language_id>
<semesters_college_equivalency>0</semesters_college_equivalency>
</facts>
</program_term>
<program_term>
  <id>139373</id>
  <name>Semester in Europe</name>
  <term>
    <id>132</id>
    <name>Spring 2015</name>
  </term>
  <date_from>2015-01-05</date_from>
  <date_to>2015-05-28</date_to>
  <enrollment_begin_date>2013-10-24</enrollment_begin_date>
  <enrollment_close_date>2014-11-15</enrollment_close_date>
  <facts>
    <host_institution>
      <id>3</id>
      <name>University of Nicosia</name>
    </host_institution>
    <locations/>
    <program_fees>
      <total_fees></total_fees>
      <application_fee>50</application_fee>
      <deposit_fee>1000</deposit_fee>
      <cc_total_fees_allowed>1300</cc_total_fees_allowed>
      <currency>USD</currency>
    </program_fees>
    <minimum_gpa>2.5</minimum_gpa>
    <minimum_college_status_id>2</minimum_college_status_id>
    <language_requirement>2</language_requirement>
    <language_id>0</language_id>
    <semesters_college_equivalency>0</semesters_college_equivalency>
  </facts>
</program_term>
.....
</program_terms>
```

```
</next_program>
.....
</next_programs>
```

Program languages

Get All

Notes:

- returns a list of program languages
- method signature GET /program-languages/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is other value than 0, this parameter will be ignored. In this case, using the pagination=0 parameter is recommended, in order to get all values at once.

?filters[filter_name]={filter_value} - [optional]

- available filter names:
 - id
 - integer value representing primary key
 - example: 1 (Albanian)
 - can be set as multiple filters as you can see below
/program-languages?filters[id][]=3&filters[id][]=4
 - name - language name
 - String value representing language name
 - Example: Albanian
/program-languages?filters[name]=Albanian

Sample request

```
GET /program-languages/?pagination=0 HTTP/1.1
Host: crmapi.abroadoffice.net
```

Date: Thu, 11 Jul 2013 09:58:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=

Sample response:

HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:58:55 GMT
Server: crmapi.abroadoffice.net
Content-Length: 815
Connection: close
Content-Type: text/xml

```
<?xml version="1.0" encoding="UTF-8"?>
<program_languages>
  <program_language>
    <id>1</id>
    <name>Albanian</name>
  </program_language>
  <program_language>
    <id>2</id>
    <name>Arabic</name>
  </program_language>
  .....
</program_languages>
```

Preferred Locations

Get All

Notes:

- returns a list of preferred locations
- method signature GET /preferred-locations/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages')

element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is other value than 0, this parameter will be ignored. In this case, using the pagination=0 parameter is recommended, in order to get all values at once.

Sample request

```
GET /preferred-locations/?pagination=0 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:58:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK
```

```
Date: Thu, 11 Jul 2013 09:58:55 GMT
Server: crmapi.abroadoffice.net
Content-Length: 815
Connection: close
Content-Type: text/xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<preferred_locations>
  <preferred_location>
    <id>2</id>
    <name>Canada</name>
  </preferred_location>
  <preferred_location>
    <id>1</id>
    <name>United States</name>
  </preferred_location>
</preferred_locations>
```

Lead Sources

Get All

Notes:

- returns a list of lead sources
- method signature GET /lead-sources/

Parameters:

?page={page_number} - [optional] - used to paginate results - default value is 1; if present, has to be less or equal to the total pages available (indicated in the results by the 'total_pages' element).

?pagination={value} - [optional] - used to get all results. If 0(ex: pagination=0) then all results will be returned and the following tags will be removed <current_page>, <total_pages>, <records_per_page>. If values is other value than 0, this parameter will be ignored. In this case, using the pagination=0 parameter is recommended, in order to get all values at once.

Sample request

```
GET /lead-sources/?pagination=0 HTTP/1.1
Host: crmapi.abroadoffice.net
Date: Thu, 11 Jul 2013 09:58:54 GMT
X-GLSAPI-User: gls_api
X-GLSAPI-Accept: xml
X-GLSAPI-Auth: of+LxjLsAGY4x0ob8sbGKVo2FiQ=
```

Sample response:

```
HTTP/1.1 200 OK

Date: Thu, 11 Jul 2013 09:58:55 GMT
Server: crmapi.abroadoffice.net
Content-Length: 815
Connection: close
Content-Type: text/xml

<?xml version="1.0" encoding="UTF-8"?>
<lead_sources>
  <current_page>1</current_page>
  <total_pages>1</total_pages>
```

```
<records_per_page>10</records_per_page>
<lead_sourc>
  <id>1</id>
  <name>Study Abroad Office</name>
</lead_sourc>
.....
</lead_sources>
```

Filters

The general format of specifying a filter in any API method's URL is the one below:

```
?filters[filter_name]={filter_value}
```

Besides this format, the API supports multiple values for the same filter when the matching rules for the filter is **exact match** where the equality operator is used (like in numeric IDs case), or **inclusion match** where the LIKE operator is used (like in the case of strings).

To specify multiple values for a particular filter, you have to use the format below:

```
?filters[filter_name][]={value1}&filters[filter_name][]={value2}.
```

In this case, the results will contain both values (value1, and value2) for the field designated by the specified filter.