

Campus Café Open API

Campus Café exposes an open application programming interface (API). With this API, software developers can create automated services to send to and retrieve data from Campus Café directly. Campus Café's Open API adheres to REST syntax and semantics using JavaScript Object Notation (JSON) and Hypertext Transfer Protocol (HTTP) actions, such as POST, GET, DELETE, etc.

Inquiries API

Campus Café accepts inquiry data through its Open API. In this document, an inquiry is defined as a prospective student who has expressed interest in the given school and should be contacted to begin the process of applying. The Inquiries API relies upon the Admissions Portal Configuration feature. Although the Inquiries API does not provide a user interface, it is necessary to configure a portal to set the appropriate major codes available, entering semesters available, and defining required Fields.

The screenshot displays a user interface for configuring the Admissions Portal. At the top, there are two dropdown menus labeled "Copy From:" and "Copy To:", both with "-- Choose an Option --" as their selected value, and a blue "Copy" button to the right. Below this is a table with three columns: "Drop Down Item Text", "Edit", and "Delete". The table contains five rows of data:

Drop Down Item Text	Edit	Delete
I Want Answers		
Apply Online		
Book A Tour		
Paid Search		
ExtServiceInq		

Below the table is a button labeled "Edit Default Labels To Be Used When Creating a New Form". At the bottom of the interface, there is a section titled "Create a New Configuration: Drop Down Item Text:" with a text input field and a blue "Add" button.

For more information regarding the Admissions Portal, Admissions Portal Configuration, and related topics, please see the document "Campus Café Admissions documentation". Once the portal configuration has been completed, it is possible to set the Custom Control 'REST_INQ' to the name of the default REST portal configuration.

Custom Control Maintenance

Information th

Prog Id: Seq #: Context: # Results:

Copy Excel PDF Print Column Visibility

Edit	Delete	ProgramId	Seq Num	Parm	Value	Description
		REST_INQ	1	1	ExtServiceInq	NAME OF ADMISSIONS PORTAL CONFIG TO USE WITH REST SERVICE

Showing 1 to 1 of 1 entries

The Final configuration step in Campus Café provides a security feature to ensure that request data is being sent from a legitimate source. In the Campus Café client, an administrator navigates to 'System Admin'-'>'Webapp Config'. In this interface, search for OPEN_API_TOKEN and save a secret value. This value will be embedded into API requests. Note that webapp config values require a server restart.

Reports [Common Reports](#) [Custom Reports](#)

Parameter:

Limit # of results to:

Parameter	Description	Value
OPEN_API_TOKEN	secret string used to validate Open API calls	baseball
OVERTURE_SCHOOLPORTALKEY	Portal Key for the overture integration	
OVERTURE_SCHOOLPORTALPWD	Portal Password for the overture integration	
OVERTURE_URL	Portal Url for the overture integration	
PAYMENT_ADMIN_EMAIL_ADDRESS	Email address(es) to notify when a payment has bee	
PAYMENT_CONFIRMATION_EMAIL_ADDRESS	Email address used to send payment confirmation em	
PAYMENT_HOST_ADDRESS	Pay Flow Pro payment server address.	
PAYMENT_HOST_PORT	Pay Flow Pro payment server port.	
PAYMENT_HOST_TIMEOUT	Pay Flow Pro payment server timeout in seconds	

Available Inquiry Data Fields

The values collected for an inquiry include the following:

- First Name
 - Field name `firstName`
 - Max length 25 characters
- Last Name
 - Field name `lastName`
 - Max length 50 characters
- Email Address
 - Field name `emailAddress`
 - Max length 60 characters
- Phone Number (mobile)
 - Field name: `phoneNumber`

- Max length 25 characters
- Inquiry Source (marketing source)
 - Field name: `inquirySource`
 - Max length 10 characters
- Lead Url
 - Field name: `leadUrl`
 - Max length none
 - See next section for more information.
- Major (as coded in Campus Café)
 - Field name: `majorCode`
 - Max length 10 characters
- Entering Semester (as coded in Campus Café)
 - Field name `enteringSemester`
 - Max length 6 characters, digits only
- *Address*
 - Street Address Line 1
 - Field name: `streetAddress1`
 - Max length: 50 characters
 - Street Address Line 2
 - Field name: `streetAddress2`
 - Max length 50 characters
 - Street Address Line 3
 - Field name `streetAddress3`
 - Max length 50 characters
 - City
 - Field name: `city`
 - Max length 25 characters
 - State
 - Field name `state`
 - Max length 2 characters
 - Zip Code
 - Field name `zipCode`
 - Max length 15 characters
 - Country
 - Field name `country`
 - Max length 20 characters

LEADURL FIELD

If a value of `leadUrl` is passed into the Open API form, Campus Café will look for an included tracking record in Admissions Portal Config with a trigger name of LEADURL. The record must be checked as included and be placed in a tab at a location to be included on the form.

The tracking record will be added with a the entire `leadUrl` value stored in the tracking record's comment box. Additionally, the `leadUrl` will be parsed to find any parameters in the url. Each parameter

key will look for an included tracking record with a trigger equal to the parameter key. If the key begins with `utm_` (case insensitive) that portion of the key will be removed. If a trigger is found, that tracking record will be added with that parameter's value in the comment 1 field if it's 75 characters or less. It will be added to the comment box if greater than 75 characters.

Since triggers can only be 10 characters long, the parameters in the leadUrl must only be 10 characters long (excluding the `utm_`).

As an example, if a leadUrl of "`https://school.com?place=X&utm_time=6&utm_how=call`" is passed in, there could be 4 tracking records added when the form is submitted, with comments added based on the following triggers:

```
leadUrl: https://school.com?place=X&time=6&how=call  
  
place:X  
  
time:6  
  
how:call
```

Open API URL

Campus Café's Open API Inquiry URL takes the following form:

<https://campusCafeUrl.com/cafeweb/openAPI/v1/inquiries?portalConfig=ExtServiceInq&token=baseball>

Web Form Data Format

Campus Café accepts these values transmitted via an HTTP POST action. In constructing an HTTP request, Campus Café will accept a single inquiry in the form of HTTP web form data. Below is a test web form, which can be used in a Hypertext Markup Language (HTML) document to deliver inquiry test data.

```
<form action="https://campusCafeURL/cafeweb/openAPI/v1/inquiries"  
  method="POST">  
  <input type="hidden" name="token" value="baseball" />  
  <input type="hidden" name="leadUrl"  
value="https://www.myschool.com/thisform?utm_medium=med&utm_source=google&utm_campgn=548&utm_conten=778&utm_term=online%20learning%20in%20social%20studies&gclid=KOFs_34_3423KI"/>  
  <label for="firstName">First Name:</label><input type="text"  
    name="firstName" id="firstName" /><br />  
  <label for="lastName">Last Name:</label><input type="text"  
    name="lastName" id="lastName" /><br />  
  <label for="emailAddress">Email Address:</label><input  
    type="text" name="emailAddress" id="emailAddress" /><br />  
  <label for="phoneNumber">Phone Number:</label><input type="tel"  
    name="phoneNumber" id="phoneNumber" /><br />  
  <label for="inquirySource">Inquiry Source:</label><input
```

```

        type="text" name="inquirySource" id="inquirySource" />
        <br />
<label for="majorCode">Major Code:</label><input type="text"
    name="majorCode" id="majorCode" /><br />
<label for="enteringSemester">Major Code:</label><input
    type="text" name="enteringSemester"
    id="enteringSemester"/><br />
<label for="streetAddress1">Street Address 1:</label><input
    type="text" name="streetAddress1" id="streetAddress1" />
    <br />
<label for="streetAddress2">Street Address2:</label><input
    type="text" name="streetAddress2" id="streetAddress2" />
    <br />
<label for="streetAddress3">Street Address3:</label><input
    type="text" name="streetAddress3" id="streetAddress3" />
    <br />
<label for="city">City:</label><input type="text" name="city"
    id="city" /><br />
<label for="state">State:</label><input type="text" name="state"
    id="state" /><br />
<label for="zipCode">Zip Code:</label><input type="text"
    name="zipCode" id="zipCode" /><br />
<label for="country">Country:</label><input type="text"
    name="country" id="country" /><br />
    <input type="submit" value="Submit"/>
</form>

```

The common model for delivering web form data is via a set of name/value pairs within the HTTP request. Note that this form of inquiry POST requires that the “application/x-www-form-urlencoded” must be set within the request header Field Content-Type.

JSON Data Format

Campus Café will also accept one or more inquiry records in the form of a JSON array (note: even a single record must be sent in an array). JSON data is also sent to the Open API URL described above. When this means of data delivery is used, the HTTP Request Content-Type must be set to “application/json”. The data payload should be set in the HTTP request body as raw data.

Sample raw body value:

```

[
  {
    "firstName": "Thomas",
    "lastName": "TestStudent",
    "emailAddress": "tteststudent@email.com",
    "phoneNumber": "7778884444",
    "inquirySource": "web-ad",
    "majorCode": "CIS",

```

```

    "enteringSemester":"201900",
    "address":{
      "street1":"5487 Payton Pl.",
      "street2":"Ste. 2",
      "street3":"",
      "city":"Los Angeles",
      "state":"CA",
      "zipCode":"92000",
      "country":"USA"
    }
  }
]

```

Open API Inquiries Returned Data

Campus Café provides a response to inquiry API requests that includes information regarding the inquiry data save results. The response returns a set of counts for the various results of each inquiry import attempt.

- The field `date` provides a timestamp of the inquiry process response.
- The field `totalRecordCount` returns the total number of records processed.
- The field `holdingRecordCount` returns the total number of records that have been placed into the Campus Café Admissions Holding Table because one or more inquiries may have collided with existing inquiry records.
- The field `directlyUpdatedCount` returns the total number of records that were located in Campus Café and updated with current inquiry information.
- The field `insertedRecordCount` returns the total number of inquiry records saved to Campus Cafe.
- The field `duplicateRecordCount` returns the total number of records identified as duplicate inquiry records.
- The field `unknownRecordCount` returns the total number of records that cannot be identified during the inquiry process.
- The field `failedRecordCount` returns the total number of records that have failed to be imported.
- The field `messages` includes any error message information that may have been generated during the import process.

```

{
  "date":{
    "cal":{
      "year":2018,
      "month":6,
      "dayOfMonth":20,
      "hourOfDay":10,
      "minute":57,
      "second":26
    },

```

```

        "validDay":false,
        "zeroDate":false
    },
    "totalRecordCount":1,
    "holdingRecordCount":0,
    "directlyUpdatedCount":1,
    "insertedRecordCount":0,
    "duplicateRecordCount":0,
    "unknownRecordCount":0,
    "failedRecordCount":0,
    "messages":{
        "elements":[]
    }
}

```

Retrieving Valid Major Codes and Entering Semesters

Campus Café's Open API Inquiry portal expects major code and entering semester values to match internal values. To accommodate automated communication of legitimate values available, Campus Café offers two additional REST URLs.

Major Codes

<https://campusCafeURL/cafeweb/openAPI/v1/majorCodes?portalConfig=ExtServiceInq&token=baseball>

This URL is sent via the HTTP GET method and the portalConfig parameter matches the configured REST_INQ value, as described above. Campus Café returns an array of major degree codes configured for the portal. Returned values are set in a JSON array.

Sample return value:

```

[
    "CIS",
    "MBAO"
]

```

Entering Semesters

<https://campusCafeURL/cafeweb/openAPI/v1/enteringSemesters?portalConfig=ExtServiceInq&token=baseball>

This URL is sent via the HTTP GET method and the portalConfig parameter matches the configured REST_INQ value, as described above. Campus Café returns an array of entering semester codes configured for the portal. Returned values are set in a JSON array.

Sample return value:

```

[
    201813,

```

```
    201814,  
    201815  
]
```

Using these service calls, the developer may validate incoming inquiry data to Campus Café to ensure correct values are selected.

Campus Café provides a REST API request collection for testing the Campus Cafe Open API.