APIRequest

Connectors/APIRequest.php

NOTE: This class is not intended to be used directly. It does not depend on any other classes so that it can be used to create API prototype apps which will be discussed in further documentation.

When you want to talk to a RESTful API this class is used to turn API calls into simple functions.

I will use Qualtrics in this document because they don’t have PHP documentation for their API but by using APIRequest it’s trivial.

The first thing we do is create a new class

**class** QualtricsAPI **extends** APIRequest

The Qualtrics API requires a token to authenticate and so we need to add a property to our class

**private $\_x\_api\_token** = ***QUALTRICS\_API\_TOKEN***;

And of course, we define that token in our settings file so we can use different tokens in different environments for testing.

Looking at

https://api.qualtrics.com/docs/root-url

We also need a few settings to tell the API how to put together the root URL that the API responds at.

*define*(**'QUALTRICS\_DATACENTER\_ID'**, **'your\_datacenter\_id'**);  
*define*(**'QUALTRICS\_ORG\_ID'**, **' your\_org\_id'**);  
*define*(**'QUALTRICS\_BASEURL'**, **'https://’ . 'QUALTRICS\_DATACENTER\_ID . ’.’. QUALTRICS\_ORG\_ID . ’.qualtrics.com’**);

Next we need to overload our two primary functions: Get and Post

We don’t want to have to configure out authentication headers for every function that calls an endpoint so we use some simple PHP to handle it.

*/\*\*  
 \** ***@param*** *null $headers  
 \*/***public function** Post($headers = **null**)  
{  
 **if** (*is\_null*($headers)) {  
 $headers = [];  
 }  
 $headers[] = **'X-API-TOKEN:'** . $this->**\_x\_api\_token**;  
  
 **parent**::*Post*($headers);  
}  
  
*/\*\*  
 \** ***@param*** *null $headers  
 \*/***public function** Get($headers = **null**)  
{  
 **if** (*is\_null*($headers)) {  
 $headers = [];  
 }  
 $headers[] = **'X-API-TOKEN:'** . $this->**\_x\_api\_token**;  
  
 **parent**::*Get*($headers);  
}

Now, whenever we call Get or Post in our class, the authentication headers are automatically added. And we can use additional parameters if needed.

And that’s it. Now we can start writing calls to the API.

*/\*\*  
 \** ***@return*** *QualtricsAPI\_Survey[]  
 \*/***public static function** ListSurveys()  
{  
 *// https://api.qualtrics.com/v3/docs/managing-surveys#list-surveys* $req = **new self**();  
 $req->**path** = ***QUALTRICS\_BASEURL*** . **'/API/v3/surveys'**;  
  
 $req->Get();  
  
 **return** QualtricsAPI\_Survey::*FromRes*($req->**result**);  
}