**Using the Location (URL) within your Browser**

You can make API GET calls (which everything here is) without getting a Token and then messing with the code.

You can append the GET statements above to your main Canvas instance.

For example, let's say that you're logged into your course and sitting on the main page and the URL is

<https://mysite.instructure.com/courses/>**123**

Then the **123** is your **:course\_id**

Change the URL to

<https://mysite.instructure.com/>api/v1/courses/123/group\_categories/?per\_page=100

and then hit enter.

You'll get the JSON code. There may be an extra

     while(1);

at the beginning of the code. That is not part of the data and when you copy/paste it into a converter, make sure you don't copy that part.

<https://mysite.instructure.com/>api/v1/courses/11684/group\_categories/?per\_page=100

https://canvas.eee.uci.edu/api/v1/courses/11684/groups/?per\_page=100

This was not the group information. It will give you the group IDs. Now you will need to loop through the group IDs. Here is an example where the group ID is 37910

https://canvas.eee.uci.edu/api/v1/groups/37910/users/?per\_page=100

### Step 1: Get a List of the Group Categories for a Course

You need to use the [Group Categories API](https://canvas.instructure.com/doc/api/group_categories.html) to do this. There is an endpoint called [List group categories for a context](https://canvas.instructure.com/doc/api/group_categories.html#method.group_categories.index) that you will need to use:

     GET /api/v1/courses/**:course\_id**/group\_categories

Hint: If you have more than 10 group categories in your course, add **?per\_page=100** to the end of that query to get up to 100 of them at a time and hopefully avoid pagination, which opens another level of complexity to the process, so it's best avoided.

The important fields returned are the **id**, which is really the **:group\_category\_id** that you will need in the next step, and the **name**, which is what you called the group Category.

Use the name to choose the group category you want the groups for.

### Step 2: Get a List of the Groups within a Group Category

There are a couple of ways to go about this, probably the most forward is sticking with the Group Categories API, but this time using the [List groups in group category endpoint](https://canvas.instructure.com/doc/api/group_categories.html#method.group_categories.groups).

     GET /api/v1/group\_categories/**:group\_category\_id**/groups

You need to replace the **:group\_category\_id** with the **id** found in step 1.

Hint: The same note about **?per\_page=100** from step 1 applies here and to all GET statements.

This will give you a list of all the groups that belong to a particular group category.

The important information to take away from this is the **id**, which is actually the :**group\_id** that you will need for the next step.

### Step 3: Get a List of the Users within a Group

To do this, we will need the [Groups API](https://canvas.instructure.com/doc/api/groups.html) and the [List group's users endpoint](https://canvas.instructure.com/doc/api/groups.html#method.groups.users).

     GET /api/v1/groups/**:group\_id**/users

You will need to iterate over all of the **:group\_id** values found in step 2 to get the entire list of group membership.

Hint: The same note about **?per\_page=100** from step 1 applies here and to all GET statements.

This will give you a list of the users within each group. In particular, it will return the **name** of each student in the group. It also returns other things like sis\_user\_id and sis\_login\_id if you want it.

There are other API calls here, one is called Get a Group Membership, but it only returns the Canvas user id's for the members and not their names or login\_ids. If you only have one group category in the course, then you can use the List the groups available in a context endpoint and cut out the stuff with the group categories. You'll still need to iterate over each group to get a list of the students in it.