Fetch Current Final Grades

[update Mon Mar 12 11:07:28 MDT 2012] I have now included some example scripts in php and python that do what I describe here.

- PHP example -- `pull_grades.php`

- Python example -- `pull_grades.py`

To get the final grade (points and percentage) for the students in a course via the api, you need to do two requests.

Step one, fetch the list of students in a course. Replace everything inside < > with the corresponding value for your account.:

```
curl https://<subdomain>.instructure.com/api/v1/courses/<course_id>/students.json?access_token=<access_token>
```

The response will look something like this::

```
[{
    "name": "Sam Hansen",
    "sortable_name": "Hansen, Sam",
    "sis_user_id": "samhansen1",
    "id": 92349,
    "short_name": "Sam Hansen",
    "login_id": "kevinh+sam@instructure.com",
    "sis_login_id": "kevinh+sam@instructure.com"
}, {
    "name": "Ryan S Hawley",
    "sortable_name": "Hawley, Ryan S",
    "id": 4234986,
    "short_name": "Ryan",
    "login_id": "ryanh@instructure.com"
}]
```

Next, using the list of students returned, create a list of student id's. In my example above, that list would be `92349`,``4234986``.

Using that list, request the student submissions for the course including their final score and percentage for the course. For every student_id, add a student_ids[] parameter to the request. Yes, it is a little cumbersome but it is the best way to do it at this point.:

```
curl https://<subdomain>.instructure.com/api/v1/courses/<course_id>/students/submissions?student_ids[]=92349&&student_ids[]=4234986&grouped=1&include[]=total_scores
```

The response should look something like this::

```
[
    {
        "submissions":[

        ],
        "computed_current_score":null,
        "computed_final_score":null,
        "user_id":1310040
    },
    {
        "submissions":[
            {
```

```
                "grade":null,
                "body":null,
                "submitted_at":null,
                "url":null,
                "attempt":null,
                "assignment_id":533163,
                "preview_url":"https://cwt.instructure.com/courses/242844/assignments/533163/submissions/925342?preview=1",
                "user_id":925342,
                "submission_type":null,
                "grade_matches_current_submission":null,
                "score":null
            },
            .....
            .
            Assignment grades here
            ..
            .....
        ],
        "computed_current_score":79.8,
        "computed_final_score":25.2,
        "user_id":925342
    }
]
```

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