

Grading Script

So the primary goal with this script was to be for more secondary of point changes and changes in evaluation while requiring little user intervention as possible - so no manual editing of CSVs!

We also want to Bake in support for special cases so that we don't have to handle those our selves.

So... ok we pretty much want a CSVs / Icons.

Given CSVs

gradescope.csv - Contains the raw scores from each assignment, student name, date/time submitted, multi-pass, and CW ID - will have name of assignment as 1st name - scores.csv. ^{that is expected}

Canvas.csv - Contains student names, multi-pass, all assignments, all grades

interesting notes - Canvas does NOT have CW IDs. Must join on multi-passes. - is a pain.

- assignment names in Canvas line up with expected gradescope names.

- points in gradescope sometimes have to be scaled

JSONS

- config.json - Contains list of all assignments, point values, scale factors etc
- Contains 'short hand' to grade scope/Canvas per assignment
 - Is what menu system is based on.
 - Is important bc it allows this to be applied more than just 101 w/ same ease of use.

New CSVs

- Special Cases.csv - Contains student name, multipass, ^{and assignment name.} new due date, honored
- Will be created from form that deducts late passes and 'manual' special cases that instructors enter.

General Process

Program loads config

Program loads Canvas grade book.

Program loads special cases.

Program prompts for assignment to post.

- Program validates that assignment exists.
- Program validates that gradescope files exist
- Program validates that Canvas assignment exists.

Program displays assignment confirmation to user

- Should show stats that are found in the config file

if user confirms, load other CSVs and may e.
adjust per student due date based on special cases.

Calculate late penalty per student
apply late penalties.

Export new CSV with only selected assignment in
format assignment_upload.csv.