
Grading Process

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1 Grading Process

Assumes `Grading` directory is pathed (via `.envrc`)

1.1 Pre-processing

1. Make Directory Structures, copy file templates
From the assignment root directory:
`MakeStructure.sh`
2. Tailor assignment specific grading configuration and template files
In the assignment `Grading` directory:
 - `GradingTemplate.md`
 - `GradingConfig.sh`
3. Build student directories from downloaded zip file
From the assignment `Grading` Directory
`StudentDirectoriesFromZip.sh ~/Downloads/<zipname>`
4. Make the grading markdown files
From the assignment `Grading` Directory
`MakeGradingFiles.sh`

1.2 Grade Assignments

1.3 Post-processing

1. Make feedback files
From the `Working` directory:
`MakeFeedbackFiles.sh`
2. Proof feedback files and remake as required
From the assignment `Grading/Working` directory
`find . -type f -name '* - Feedback.pdf' -exec open {} \;`
3. Create links to the feedback files
From the assignment `Grading/Feedback` directory
`find ../Working -type f -name '* - Feedback.pdf' -exec ln -s {} . \;`

2 Environment Variables

Note: all variables must be exported so Python can access them

2.1 Course Level `GradingConfig.sh`

- `CourseNumber`
- `CourseName`
- `AssignName`

2.2 Student Assignment Level Info.sh

- StudentCode
- StudentFirstName
- StudentLastName
- StudentTimestamp
- StudentSubmissionFile

3 Scripts

3.1 MakeStructure.sh

Build the grading directory structure in an assignment directory

See `-h` output for details.

Files Used

- ../../GradingTemplate.md
- ../../GradingConfig.md

3.2 StudentDirectoriesFromZip.sh

Process a downloaded zip file of student submissions building one directory per student. Expand the student compressed file into the directory

See `-h` output for details.

3.3 MakeGradingFiles.sh

Loop through the student directories building tailored grading files

From the grading directory

`MakeGradingFiles.sh`

See `-h` output for details.

Files Used

- ./GradingTemplate.md
- ./GradingConfig.sh

3.4 MakeGradingFile.py

Tailor the grading template file into the student specific file

Assumes Assign, Course, and Student environment variables are set

`MakeGradingFile.py <template> <output>`

3.5 MakeFeedbackFiles.sh

Build pdf files from the grading files

See `-h` output for details.

3.6 Markdown2Pdf.py

Build a pdf file from a markdown file using a standard pandoc configuration file

Markdown2Pdf.py <markdown input file> <pdf output file>

See -h output for details.

Files Used

- scriptdir/Markdown2Pdf_PandocConfig.yaml
- ~/SharedEnvironment/Latex/CofCGrading.sty

4 LaTeX Processing

4.1 Heading block:

```
-----  
CSCI-xxx - Course Title  
Assignment Title  
  
Student Name  
  
File Submitted: filename  
  
Submission Time: timestamp  
-----
```

4.2 Related Files

- Markdown2Pdf_PandocConfig.yaml
Pandoc configuration file
- Markdown2Pdf.py
Python script to build a single pd
- SampleMarkdown.md
Sample file for testing
- SamplePdf.pdf
Sample output file from testing
- CofCGrading.sty
Part of SharedEnvironment/Latex