

Moodle Grading App

Senior Project: Final Presentation

Developers: Emily Costa & Michael Sisko
Advisor: Victor Norman

Project Overview

Problem:

- Moodle's UI is not efficient
- Grading is time consuming and redundant
- Two options: edit in web browser or download CSV file

Solution:

- Custom feedback
- Globally reflected changes
- Display grade statistics

What we accomplished...

Developed by: Emily Costa & Michael Sisko
Advised by: Victor Norman

Grading Assistant

Assignment Name: Sample Assignment

Max Points: 20

Prev Student

Next Student

Show Stats

Student Name: Ashley Bauer

Save Progress

Perfect Score

Clear Score

Feedback

Deduction

Apply

Add more comments

Poor indentation

Looks good!

No submission

3

2

0

20

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Add Feedback

Import Table

sample_...nt.csv

Export Table

#	Name	Email	Timestamp	Grade	Feedback
1	Ashley Bauer	arb00	-	17	-3: Add more comments
2	Anna Warren	acw00	-	20	-0: Looks good!
3	Adam Smith	ams00	-	20	-0: Looks good!
4	Austin Reed	atr00	-	18	-2: Poor indentation
5	Diana Johnston	dnj00	-	15	-3: Add more comments; -2: Poor indentation
6	Jeff Miles	jbm00	-	20	-0: Looks good!
7	Joanna Pollard	jp00	-	0	-20: No submission
8	John Calvin	jc00	-	20	-0: Looks good!
9	Marissa Clay	mac00	-	17	-3: Add more comments
10	Walter Serrano	wts00	-	18	-2: Poor indentation

What we accomplished...

Developed by: Emily Costa & Michael Sisko
Advised by: Victor Norman

Grading Assistant

Assignment Name: Ex: Homework 1

Max Points: 20

Prev Student

Next Student

Student Name: Ashley Bauer

Save Progress

Perfect Score

Feedback

Deduction

Apply

Add more comments

Poor indentation

Looks good!

No submission

3

2

0

20

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Add Feedback

Import Table

sample_assignment.csv

Export Table

#	Name	Email	Timestamp	Grade	Feedback
1	Ashley Bauer	arb00	-	17	-3: Add more comments
2	Anna Warren	acw00	-	20	-0: Looks good!
3	Adam Smith	ams00	-	20	-0: Looks good!
4	Austin Reed	atr00	-	18	-2: Poor indentation
5	Diana Johnston	dnj00	-	15	-3: Add more comments; -2: Poor indentation
6	Jeff Miles	jbm00	-	20	-0: Looks good!
7	Joanna Pollard	jp00	-	0	-20: No submission
8	John Calvin	jc00	-	20	-0: Looks good!
9	Marissa Clay	mac00	-	17	-3: Add more comments
10	Walter Serrano	wts00	-	18	-2: Poor indentation

Grade Distribution

No. of Students

Grades Percentage

0-9

10-19

20-29

30-39

40-49

50-59

60-69

70-79

80-89

90-100

1

0

0

0

0

0

0

1

2

6

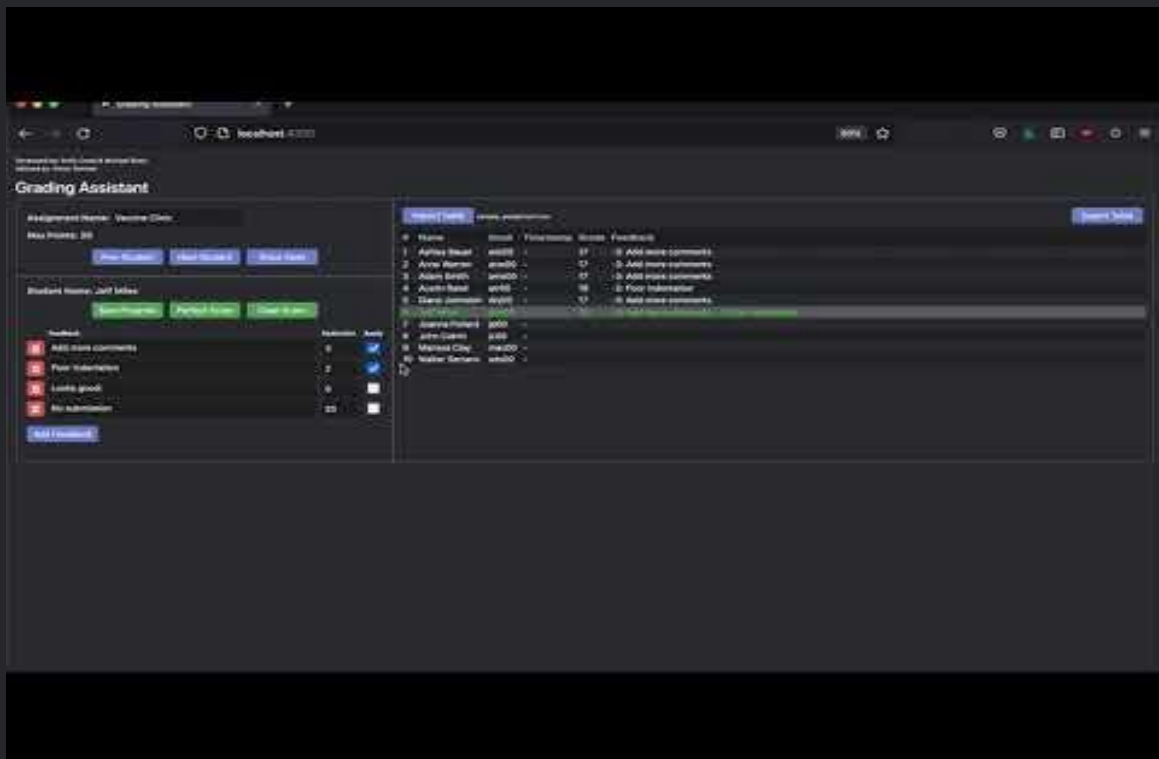
Problems encountered...

- How to parse and store CSV file
- Per student feedback management

```
▼ 51:  
  email: "eac33"  
  ▼ feedbackBoolean: Array(3)  
    0: false  
    1: false  
    2: true  
    length: 3  
  ► [[Prototype]]: Array(0)  
  fullName: "Emily Costa"  
  grade: "100"  
  gradeChange: "Yes"  
  gradeLastModified: "-"  
  identifier: "Participant 2951475"  
  maxGrade: "100"  
  onlineText: ""  
  status: "No submission"  
  submissionLastModified: "-"
```

```
▼ (3) [{...}, {...}, {...}] ⓘ  
  ► 0: {feedback: 'Add more comments', deduction: 5}  
  ► 1: {feedback: 'Bad indentation', deduction: 10}  
  ► 2: {feedback: 'Looks good', deduction: 0}
```

Demo



Design Norms

- Cultural Appropriateness
 - Promotes efficiency, and protects the privacy of students
- Transparency
 - Simple design, moderately intuitive, and ample documentation
- Trust
 - Reliable, end-to-end tested, and consistent results

Future Work

- Persistent storage
- Table sorting
- Settings page

Questions?