

# **CSC318 Assignment 2: Heuristic Evaluation of MarkUs**

Ansaf Ahmadb

**Student Number:** 1002241237

**Email:** ansaf.ahmad@mail.utoronto.ca

Omika Dharamdasani

**Student Number:** 1000984483

**Email:** o.dharamdasani@mail.utoronto.ca

1.

☒ Use Penalty Formula
 

Add a Penalty Period
 

Penalty Period
 

After\*
  hours...
 From to
 Penalty Period Deduction\*
  %
 Remove

Several different late submission policies are available. If Accept no late submissions is selected then students will be warned that their submission will not be graded if they attempt to submit after the deadline. You may choose to give students some number of Grace credits in the Users view, and you can choose the grace period times here. The Penalty Decay formula allows you to deduct X marks for every Y time period. The Penalty Formula allows you to specify both the value of the penalty and the time period. If students are working in a group, grace credits will be deducted from every group member.

**Problem:** There is no indication of what “after” means, especially after the first eight-hour period has already been accounted for. It is also unclear whether the penalty period deduction is supposed to be cumulative or simply the deduction for that particular period.

**Violated Heuristics:** H4 (Consistency), H8 (Design), H10 (Help)

**Severity (ANSAF):** 1

**Severity (DHARAMDASANI):** 2

2.

NoMethodError in StudentsController#download\_student\_list

undefined method `generate\_csv\_list' for #<Class:0x000000049d3088>
 

Extracted source (around line #107):
 

```

105     case params[:format]
106     when 'csv'
107       output = User.generate_csv_list(students)
108       format = 'text/csv'
109     when 'xml'
110       output = students.to_xml
          
```

Rails.root: /data/markus/instance/028
 Application Trace | Framework Trace | Full Trace
 app/controllers/students\_controller.rb:107:in `download\_student\_list'

Request
 Parameters:
 {"locale"=>"en", "format"=>"csv"}
 Toggle session dump
 Toggle env dump

Response
 Headers:
 None

**Problem:** An instructor cannot upload a class list. The error message shown above is displayed when the instructor tries to perform this action. The error message is unhelpful and does not indicate a clear solution to the problem.

**Violated Heuristics:** H1 (Visibility of system status), H2 (Real World), H5 (Prevention), H9 (Recovery), H10 (Help)

**Severity (ANSAF):** 3

**Severity (DHARAMDASANI):** 3

3.

MarkUs Dharamdasani Omika ( dharamd3 ) Log out

Dashboard Assignments **Users** Notes Summary

Students Sections Graders Admins

## Manage Students ?

Add New Student | Upload | Download

All (4) Active (4) Not active (0)

<input type="checkbox"/>	USER NAME	LAST NAME	FIRST NAME	SECTION	GRACE CREDITS LEFT	NOTES
<input type="checkbox"/>	student1	Shelton	Blake	L0101	3 / 3	<a href="#">Edit</a>   <a href="#">Notes (0)</a>
<input type="checkbox"/>	student2	Williams	Wendy	L0201	0 / 0	<a href="#">Edit</a>   <a href="#">Notes (0)</a>
<input type="checkbox"/>	student3	Jessica	Sarah	L0501	1 / 1	<a href="#">Edit</a>   <a href="#">Notes (0)</a>
<input type="checkbox"/>	student4	Minaj	Nicki	L0501	0 / 0	<a href="#">Edit</a>   <a href="#">Notes (0)</a>
<input type="checkbox"/>	USER NAME	LAST NAME	FIRST NAME	SECTION	GRACE CREDITS LEFT	NOTES

**Problem:** Upon adding a new student, only the grace credits left can be assigned. There is no obvious way to add the total number of grace credits that every student starts out with.

**Violated Heuristics:** H10 (Help)

**Severity (ANSAF):** 2

**Severity (DHARAMDASANI):** 2

4.

MarkUs Dharamdasani Omika ( dharamd3 ) Log out

Dashboard Assignments Users Notes Summary

scenario1a Settings **Groups** Graders Submissions Summaries

## Manage Groups ?

Download | Upload

All students (4) Unassigned (0) Assigned (4) Inactive (0)

<input type="checkbox"/>	USER NAME	LAST NAME	FIRST NAME
<input type="checkbox"/>	student1	Shelton	Blake
<input type="checkbox"/>	student2	Williams	Wendy
<input type="checkbox"/>	student3	Jessica	Sarah
<input type="checkbox"/>	student4	Minaj	Nicki
<input type="checkbox"/>	USER NAME	LAST NAME	FIRST NAME

All Groups (6) Valid (2) Not Valid (4)

<input type="checkbox"/>	GROUP NAME	ACTIONS	MEMBERS
<input type="checkbox"/>	group_0004		<input type="checkbox"/> student1 <input type="checkbox"/> student2
<input type="checkbox"/>	group_0005		<input type="checkbox"/> student3 <input type="checkbox"/> student4
<input type="checkbox"/>	group_0006		
<input type="checkbox"/>	group_0010		
<input type="checkbox"/>	group_0011		
<input type="checkbox"/>	group_0012		
<input type="checkbox"/>	GROUP NAME	ACTIONS	MEMBERS

**Problem:** The lecture section for each student is not displayed anywhere on the Manage Groups screen, which is particularly problematic if the instructor wants students to form groups within their own sections.

**Violated Heuristics:** H2 (Real World), H5 (Recognition)

**Severity (ANSAF):** 2

**Severity (DHARAMDASANI):** 3

5.

MarkUs

Dashboard Assignments Users Notes Summary

scenario1a Settings Groups Graders Submissions Summaries

### Manage Graders ?

Download | Upload

☐ Assign Graders to Criteria

☐ Do not assign Graders to groups with empty submissions (requires that submissions are collected)

Search Graders

<input type="checkbox"/>	USER NAME ▲	FULL NAME ▼	GROUPS	CRITERIA
<input type="checkbox"/>	TA1	Kim Kardashian	2	All
<input type="checkbox"/>	TA2	Snoop Dogg	2	All
<input type="checkbox"/>	USER NAME ▲	FULL NAME ▼	GROUPS	CRITERIA

Search Groups

<input type="checkbox"/>	GROUP NAME ▲	SECTION ▼	<input type="checkbox"/> GRADERS
<input type="checkbox"/>	group_0004	L0101	<input type="checkbox"/> TA1
<input type="checkbox"/>	group_0005	L0501	<input type="checkbox"/> TA2
<input type="checkbox"/>	group_0006	L0201	<input type="checkbox"/> TA1
<input type="checkbox"/>	group_0010	L0101	<input type="checkbox"/> TA2
<input type="checkbox"/>	group_0011	-	
<input type="checkbox"/>	group_0012	-	
<input type="checkbox"/>	GROUP NAME ▲	SECTION ▼	<input type="checkbox"/> GRADERS

**Problem:** The lecture sections displayed next to the groups are inaccurate e.g. student1 and student2 of group\_0004 are in L0101 and L0201 respectively, yet their lecture section is L0101.

**Violated Heuristics:** H2 (Real World), H4 (Consistency), H5 (Recognition)

**Severity (ANSAF):** 2

**Severity (DHARAMDASANI):** 2

6.

**Problem:** The instructor is unable to check the annotations and overall comments on the marked assignments. Only the final mark and the raw data file is available to the instructor.

**Violated Heuristics:** H2 (Real world)

**Severity (ANSAF):** 3

**Severity (DHARAMDASANI):** 3

## 7. (a)

Choose...

### Manage Course Work

Download | Upload

Add Assignment
Add Marks Spreadsheet

Current assignments

ASSIGNMENT	DUE DATE	SUBMISSION STATUS
scenario1: Usability Testing	Friday, March 03, 2017, 11:59 PM	0/6 Submissions collected 6/6 assignments have been marked 0.0 annotations per marked submission
test: Test Assignment	Friday, March 03, 2017, 11:59 PM	2/2 Submissions collected Class Average: 108.13 2/2 assignments have been marked 1.0 annotations per marked submission
scen1: Scenario 1: Attempt 2	Saturday, March 04, 2017, 11:59 PM	0/4 Submissions collected 4/4 assignments have been marked 0.0 annotations per marked submission
Usability testing: Usability testing	Sunday, March 05, 2017, 11:59 PM	0/2 Submissions collected 2/2 assignments have been marked 0.0 annotations per marked submission
scenario1-retest: Assignment testing	Tuesday, March 07, 2017, 1:00 PM	0/0 Submissions collected 0/0 assignments have been marked 0.0 annotations per marked submission

Current marks spreadsheets

MARKS SPREADSHEET	DATE
Attendance: Marks Spreadsheet for attendance	March 04, 2017

## (b)

Marks
Dashboard
Assignments
Users
Notes
Summary
Dharamdasani Onika (dharamd3) Log out

### Dashboard

Assignments

NAME	DUE DATE
scenario1: Usability Testing	March 03, 2017
test: Test Assignment	March 03, 2017

Marks spreadsheets

There are currently no marks spreadsheets.

scenario1: Usability Testing

Due Date: Friday, March 03, 2017, 11:59 PM

Class Average: 0%  
Assignment Median: 0%  
Assignments Submitted: 0/6  
Assignments Graded: 0/6  
Number of fails:  
Number of zeros:  
Refresh the graph

Marks
Dashboard
Assignments
Users
Notes
Summary
Dharamdasani Onika (dharamd3) Log out

### Dashboard

Assignments

NAME	DUE DATE
scenario1: Usability Testing	March 03, 2017
test: Test Assignment	March 03, 2017

Marks spreadsheets

There are currently no marks spreadsheets.

test: Test Assignment

Due Date: Friday, March 03, 2017, 11:59 PM

Class Average: 142.5%  
Assignment Median: 142.5%  
Assignments Submitted: 2/2  
Assignments Graded: 1/2  
Number of fails: 0  
Number of zeros: 0  
Refresh the graph

**Problem:** There are some inconsistencies regarding assignment submissions and due dates. For instance, for the assignment “scenario1: Usability Testing” in (a), 0/6 submissions are shown to be collected but all 6 seem to have been marked, which is slightly confusing. In (b), both the assignments are due at the same time, however, one is marked in red (overdue) and the other is marked in green.

**Violated Heuristics:** H2 (Real World), H4 (Consistency), H6 (Recognition)

**Severity (ANSFAF):** 1

**Severity (DHARAMDASANI):** 2

**Problem:** It is not particularly obvious how a 5% grade adjustment can be carried out. It is assumed that this needs to be done individually for each student, which can be quite time-consuming if an instructor has a large number of students.

**Severity (ANSAF):** 4

**Severity (DHARAMDASANI): 3**

Properties Tags **Marking Scheme** Annotations Test Framework

[Add Criterion](#) | [Download YML](#) | [Upload YML](#)

CRITERIA

TOTAL MARK (2.0)



VISIBILITY

Criterion name

Criterion type

☒ Rubric
 ☐ Flexible
 ☐ Checkbox

Save changes

<div> <div></div> <div>Testing Procedure</div> </div>	1.0	
<div> <div></div> <div>Recording of testing</div> </div>	1.0	

✓ Criterion was successfully saved

Delete

Recording of testing

Weight

0.25

This criterion will be marked out of 1.0

Visibility

☒ Make visible to teaching assistants
 ☐ Make visible to peer reviewers

Save changes

Level 0

Very Poor

This criterion was not satisfied.

Level 1

Weak

This criterion was partially satisfied.

Level 2

Passable

**Problem:** After one criterion is saved successfully, its details still remain on screen (shown on the right) until the name of the next criterion is entered on the left. This can be quite confusing for the user and changes could accidentally be made to the already saved criterion.

**Severity (ANSAF):** 1

**Severity (DHARAMDASANI): 1**

10.

Repository: group\_0016 (student1, student6)

Find a different revision

Saturday, March 04, 2017, 5:26 PM Find by Revision Revision Number

Viewing Revision: #2 ( Saturday, March 04, 2017, 5:26 PM )

Collected version: #2 (Saturday, March 04, 2017, 5:26 PM)

Current Path: /scen1

☐ Apply late penalty/Deduct grace tokens (Leaving this box unchecked means the submission will not be penalized, regardless of submission time.)

Collect and Grade This Revision Download all files

FILENAME	LAST REVISED	REVISED BY
./	3/4/2017, 5:26:00 PM	student6
S1a.txt	3/4/2017, 5:26:00 PM	student6

FILENAME	LAST REVISED	REVISED BY

**Problem:** There is no clear way to save, revise or refer back to assignments that have already been marked. In order to do any of the aforementioned, the entire submission needs to be marked again. This is particularly troublesome when graders are assigned based on criteria, because it requires each grader to revisit the work of others and add to it.

**Violated Heuristics:** H3(Control), H6 (Recognition), H7 (Flexibility), H9 (Recovery)

**Severity (ANSAF):** 2

**Severity (DHARAMDASANI):** 3

11.

**Problem:** Every TA has the freedom to release/unrelease marks. This should not be allowed, as it can cause unnecessary confusion between instructors and TAs. Instead, only the instructor or one of the TAs should have the option of releasing/unreleasing marks.

**Violated Heuristics:** H5 (Prevention), H7 (Flexibility)

**Severity (ANSAF):** 1

**Severity (DHARAMDASANI):** 2

12.

Show All		Search Submissions		Collect Submissions	Run Tests	Release Marks	Unrelease Marks
	GROUP NAME	REPOSITORY	COMMIT DATE	MARKING STATE	TAGS USED	FINAL GRADE	
<input type="checkbox"/>	c5anthei	c5anthei	Tuesday, March 07, 2017, 6:58 PM			9.25	
<input type="checkbox"/>	c5granad A1 (c5granad)	group_0005	Friday, October 28, 2016, 11:07 AM			10.25	
<input type="checkbox"/>	c5sattee A1 (c5sattee)	group_0013	Friday, October 28, 2016, 11:08 AM			8.75	
<input type="checkbox"/>	c6janace A1 (c6janace)	group_0015	Friday, October 28, 2016, 11:08 AM			10.75	
<input type="checkbox"/>	c6scriab A1 (c6scriab)	group_0003	Friday, October 28, 2016, 11:07 AM			-	
<input type="checkbox"/>	c6stenha A1 (c6stenha)	group_0014				-	
<input type="checkbox"/>	c7stanfo A1 (c7stanfo)	group_0011				-	
<input type="checkbox"/>	c8debuss A1 (c8debuss)	group_0007	Friday, October 28, 2016, 11:07 AM			-	
<input type="checkbox"/>	c8mahler A1 (c8mahler)	group_0001	Friday, October 28, 2016, 11:07 AM			-	
<input type="checkbox"/>	c9busoni A1 (c9busoni)	group_0008				-	
<input type="checkbox"/>	c9magnar A1 (c9magnar)	group_0002				-	
<input type="checkbox"/>	c9puccin A1 (c9puccin)	group_0010	Friday, October 28, 2016, 11:08 AM			-	
<input type="checkbox"/>	g7moszko A1 (g7moszko)	group_0012				-	
<input type="checkbox"/>	g8butter A1 (g8butter)	group_0004				-	
<input type="checkbox"/>	g9merika A1 (g9merika)	group_0009				-	
<input type="checkbox"/>	g9regerm A1 (g9regerm)	group_0006				-	
	GROUP NAME	REPOSITORY	COMMIT DATE	MARKING STATE	TAGS USED	FINAL GRADE	

**Problem:** It is difficult to keep track of all the icons used to show the various marking stages. The user has to hover over each icon to understand what it means.

**Violated Heuristics:** H4 (Consistency), H6 (Recognition)

**Severity (ANSAF):** 2

**Severity (DHARAMDASANI):** 2

13.

MarkUs	Dharamdasani Kim Kardashian (TA1)  Log out
<a href="#">MarkUs</a> <a href="#">Home</a> <a href="#">Notes</a> <a href="#">Loading ...</a>	

## Manage Marks Spreadsheet: Attendance

[Upload](#) | [Download](#)

All Sections

Search Students

Release Marks

Unrelease Marks

	USER NAME	LAST NAME	FIRST NAME	SECTION	TUT1 (1.0)	TUT2 (1.0)	TUT3 (1.0)	MARKING STATE
	student1	Shelton	Blake	L0101	1			
	student10	Smith	Sidney	L0201	0			
	student2	Williams	Wendy	L0201	0			

**Problem:** The tutorial attendance marks for only ten students could not be released from both the instructor and TA accounts. The "Loading..." message was displayed for over five minutes to no avail.

**Violated Heuristics:** H1 (Status), H3 (Control), H5 (Prevention), H9 (Recovery), H10 (Help)

**Severity (ANSAF):** 3

**Severity (DHARAMDASANI):** 4



14.

scen1

Submissions

Summaries

Repository: group\_0016 (student1, student6)

Find a different revision

Saturday, March 04, 2017, 5:26 PM

Find by Revision Timestamp

2: Saturday, March 04, 2017, 5:26 PM ▾

Find by Revision Number

Viewing Revision: #2 ( Saturday, March 04, 2017, 5:26 PM )  
Collected version: #2 (Saturday, March 04, 2017, 5:26 PM )

Current Path: /scen1

☒ Apply late penalty/Deduct grace tokens (Leaving this box unchecked means the submission will not be penalized, regardless of submission time.)

Collect and Grade This Revision

Download all files

**Problem:** Graders are required to check the “Apply late penalty” box if a lateness penalty has been specified. Not only is this a redundant step, it is also dangerous because failure to click this box for one or two students due to forgetfulness can have drastic outcomes.

**Violated Heuristics:** H3 (Control), H5 (Prevention), H8 (Design)

**Severity (ANSAF):** 1

**Severity (DHARAMDASANI):** 2

15.

## 404 Not Found

Uh oh! The page you were looking for could not be located on this site.

**Problem:** The summary page on TA accounts is unavailable.

**Violated Heuristics:** H5 (Prevention), H9 (Recovery)

**Severity (ANSAF):** 3

**Severity (DHARAMDASANI):** 3

ActionController::UrlGenerationError in Assignments#index

Showing /data/markus/instance/028/app/views/assignments/\_list\_manage.html.erb where line #56 raised:

No route matches {:action=>"browse", :controller=>"submissions", :id=>#<Assignment id: 6, short\_identifier: "scen1\_pr", description: "Scenario 1: Attempt 2", message: nil, due\_date: "2017-03-05 04:59:00", group\_min: 1, group\_max: 1, created\_at: "2017-03-07 19:15:32", updated\_at: "2017-03-07 19:15:32", student\_form\_groups: nil, group\_name\_autogenerated: nil, group\_name\_displayed: nil, repository\_folder: "scen1", invalid\_override: nil, results\_average: nil, allow\_web\_submits: true, section\_groups\_only: nil, section\_due\_dates\_type: false, display\_grader\_names\_to\_students: false, enable\_test: false, notes\_count: 0, assign\_graders\_to\_criteria: false, rubric\_criteria\_count: nil, flexible\_criteria\_count: nil, groupings\_count: nil, tokens\_per\_period: 0, allow\_remarks: true, remark\_due\_date: nil, remark\_message: nil, results\_median: nil, results\_fails: nil, results\_zeros: nil, outstanding\_remark\_request\_count: nil, unlimited\_tokens: false, is\_hidden: true, only\_required\_files: nil, vcs\_submit: false, token\_start\_date: nil, token\_period: 1.0, parent\_assignment\_id: 3, has\_peer\_review: false, checkbox\_criteria\_count: nil, enable\_student\_tests: false>, :locale=>:en}

Extracted source (around line #56):

```
54         <% if assignment.has_peer_review? %>
55         <% if assignment.pr_assignment.is_hidden %>
56             <%= link_to t('assignment.hidden',
57                 assignment_text: t('results.review_for') + assignment.short_identifier),
58                 { controller: controller,
59                 action: action,
```

Trace of template inclusion: app/views/assignments/grader\_index.html.erb

Rails.root: /data/markus/instance/028

[Application Trace](#) | [Framework Trace](#) | [Full Trace](#)

app/views/assignments/\_list\_manage.html.erb:56:in `block in \_app\_views\_assignments\_list\_manage\_html\_erb\_218646245226241069\_55107740'

app/views/assignments/\_list\_manage.html.erb:17:in `\_app\_views\_assignments\_list\_manage\_html\_erb\_218646245226241069\_55107740'

app/views/assignments/grader\_index.html.erb:6:in `\_app\_views\_assignments\_grader\_index\_html\_erb\_2985708425793223601\_54004840'

app/controllers/assignments\_controller.rb:241:in `index'

Request

Parameters:

{"locale"=>"en"}

[Toggle session dump](#)

[Toggle env dump](#)

**Problem:** Logging in as a TA gave the error message shown above, due to which we had to reset all our data. The error message is unhelpful and does not provide a clear solution to the problem.

**Violated Heuristics:** H1 (Visibility of system status), H2 (Real World), H3 (Control), H5 (Prevention), H9 (Recovery), H10 (Help)

**Severity (ANSAF):** 4

**Severity (DHARAMDASANI):** 4

17.

Repository::FileDoesNotExist in AssignmentsController#student\_interface

scenario1/ does not exist in the repository for revision 3

Extracted source (around line #675):

```
673     entries = @repos.fs.root(revision_number).dir_entries(path)
674     rescue Exception
675       raise FileDoesNotExist.new("#{path} does not exist in the repository for revision #{revision_number}")
676     end
677     entries.each do |key, value|
678       entries[key] = (value.kind == 1) ? :file : :directory
```

Rails.root: /data/markus/instance/028

Application Trace | Framework Trace | Full Trace

lib/repo/subversion\_repository.rb:675:in `rescue in \_get\_files'

lib/repo/subversion\_repository.rb:672:in `\_get\_files'

lib/repo/subversion\_repository.rb:1041:in `files\_at\_path helper'

lib/repo/subversion\_repository.rb:994:in `files\_at\_path'

app/models/grouping.rb:509:in `number\_of\_submitted\_files'

app/controllers/assignments\_controller.rb:129:in `student\_interface'

Request

Parameters:

{ "locale" => "en",

"id" => "1" }

Toggle session dump

Toggle env dump

Response

Headers:

**Problem:** This error message was displayed when students tried to submit one of their assignments. The cause of this error is unknown. The error message is unhelpful and does not indicate a clear solution.

**Violated Heuristics:** H1 (Visibility of system status), H2 (Real World), H3 (Control), H5 (Prevention), H9 (Recovery), H10 (Help)

**Severity (ANSAF):** 4

**Severity (DHARAMDASANI):** 4

18.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	student4		0		1		1		1.2		0.8			0/0					
2	student5		0		1		1		1.2		0.8			0/0					
3	student8		0		1		1		1.2		0.8			0/0					
4	student1	76.25	3.05	1	1	0.75	1	0.9	1.2	0.4	0.8	0	0	03-Mar					
5	student9		0		1		1		1.2		0.8			0/0					
6	student10		0		1		1		1.2		0.8			0/0					
7	student2	142.5	5.7	1	1	0.5	1	1.2	1.2	0	0.8	3	0	0/0					
8	student3		0		1		1		1.2		0.8			01-Jan					
9	student7		0		1		1		1.2		0.8			0/0					
10	student6		0		1		1		1.2		0.8			0/0					
11																			
12																			
13																			

**Problem:** When a detailed CSV report of student marks is downloaded, the report looks very disorganized. It has no headers to indicate what the marks in a particular column are for, which makes it unfit for use.

**Violated Heuristics:** H2 (Real World), H4 (Consistency), H6 (Recognition), H8 (Design), H10 (Help)

**Severity (ANSAF):** 1

**Severity (DHARAMDASANI):** 2

19. (a)

MarkUs

Dashboard Assignments Users Notes Summary

scen1 Peer Review (hidden) Settings Groups Assign Peer Reviews Reviews

Peer reviews

Download | Upload

Bad Request: Cannot have an empty list of reviewers

Number of peer reviews per group: 1

Section: All Sections

All Groups (0) Search Groups

REVIEWER GROUP	NUM REVIEWS
REVIEWER GROUP	NUM REVIEWS

Section: All Sections

All Groups (4) Search Groups

REVIEWEE GROUP	ASSIGNED REVIEWERS	NUM ASSIGNED REVIEWERS
<input checked="" type="checkbox"/> group_0016		0
<input type="checkbox"/> group_0017		0
<input type="checkbox"/> group_0018		0
<input type="checkbox"/> group_0019		0
REVIEWEE GROUP	ASSIGNED REVIEWERS	NUM ASSIGNED REVIEWERS

(b)

MarkUs Dharamdasani Omika ( dharamd3 ) Log out

Dashboard Assignments Users Notes Summary

scen1 Peer Review (hidden) Settings Groups Assign Peer Reviews Reviews

Properties Tags

### Edit Assignment: Peer reviews for scen1

Due date for this assignment is in the past for: Due Date

Required Fields\*

#### Properties

Short Identifier:

Assignment Name:

Message:

ⓘ If the section due dates option is checked, students can only form groups within their section.

Enable section due dates: ☐

Due Date\*:

☒ Hide assignment from students

#### Group Properties

Short Identifier:

Assignment Name:

Message:

ⓘ If the section due dates option is checked, students can only form groups within their section.

Enable section due dates: ☐

Due Date\*:

☒ Hide assignment from students

#### Group Properties

☐ Students can work in groups

#### Submission Rules

Choose penalty rules to apply for late submissions:

☒ Accept no late submissions

Submit

About MarkUs | Language: en | GitHub issues list

**Problem:** Peer-review could not be accomplished because the list of reviewers was unavailable (shown in (a)), even after refreshing the page several times and logging in and out of MarkUs. It could not be undone either (shown in (b)), due to which a new assignment had to be created.

**Violated Heuristics:** H1 (Status), H3 (Control), H5 (Prevention), H7 (Flexibility), H9 (Recovery), H10 (Help)

**Severity (ANSAF):** 3

**Severity (DHARAMDASANI):** 4

20.

Submit

### Add Assignment

Required Fields\*

Properties

Short Identifier\* Test-assignment

Repository Folder\* Test-assignment

Assignment Name\* Assignment testing

Message

! If the section due dates option is checked, students can only form groups within their section.

**Problem:** When a new assignment is created, if the identifier name is the same as another one that already exists, the assignment cannot be created. An error message detailing the cause of this problem is not displayed.

**Violated Heuristics:** H1 (Status), H2 (Real World), H5 (Prevention), H10 (Help)

**Severity (ANSAF):** 3

**Severity (DHARAMDASANI):** 3

21.

test

Criterion

test

Weight

1.0

This criterion will be marked out of 4.0

Visibility

☒ Make visible to teaching assistants

☐ Make visible to peer reviewers

Save changes

Level 0

Very Poor

This criterion was not satisfied.

Level 1

Weak

This criterion was partially satisfied.

**Problem:** If the instructor wants to add sections that are weighted by percentage, the instructor must manually calculate what weights to add to each section in order to create percentage weighted sections. If the instructor removes a section, they must also update each section's weight.

**Violated Heuristics:** H7 (Flexibility), H8 (Design)

**Severity (ANSAF):** 2

**Severity (DHARAMDASANI):** 2

22.

## Submissions: A1 ?

Download all submissions | 0/4 assignments have been marked

Grading can begin							
Show All	Search Submissions			Release Marks		Unrelease Marks	
✓	GROUP NAME ▲	REPOSITORY ⚙	COMMIT DATE ⚙	MARKING STATE ⚙	TAGS USED	FINAL GRADE ⚙	
✓	c5granad A1 (c5granad)	group_0005				-	
✓	c6stenha A1 (c6stenha)	group_0014				-	
✓	c9busoni A1 (c9busoni)	group_0008				-	
✓	g8butter A1 (g8butter)	group_0004				-	
✓	GROUP NAME ▲	REPOSITORY ⚙	COMMIT DATE ⚙	MARKING STATE ⚙	TAGS USED	FINAL GRADE ⚙	

About MarkUs | Language: en | GitHub issues list

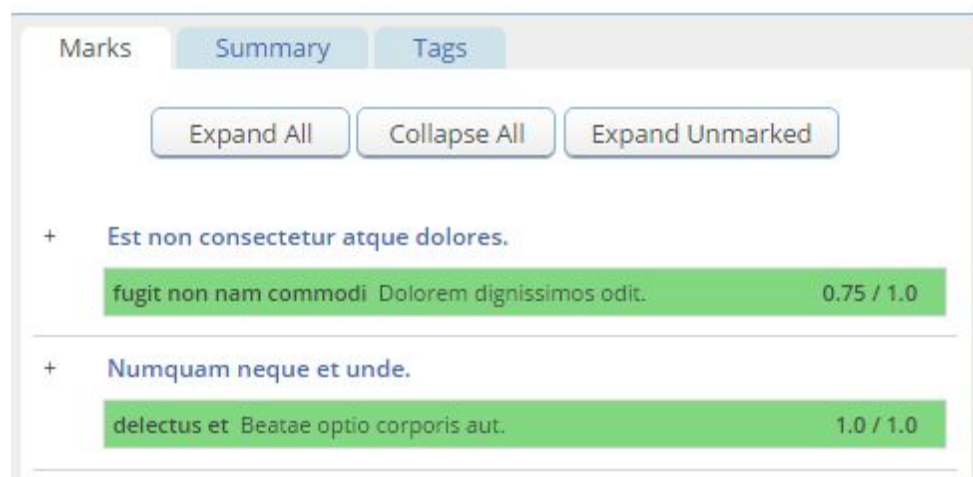
**Problem:** Automatic collection of outstanding submissions should be added, so the late submission policy and collection for marking is automated and error free.

**Violated Heuristics:** H7 (Flexibility), H8 (Design)

**Severity (ANSAF):** 2

**Severity (DHARAMDASANI):** 3

23.



**Problem:** During the process of editing marks or selecting marks for sections with predefined grades, the user needs to click on them in order to set the mark. The clickable region is not immediately obvious.

**Violated Heuristics:** H4 (Consistency), H7 (Flexibility), H8 (Design)

**Severity (ANSAF):** 2

**Severity (DHARAMDASANI):** 1

24.

i Seperate multiple user names with commas

User Name

Submit

Cancel

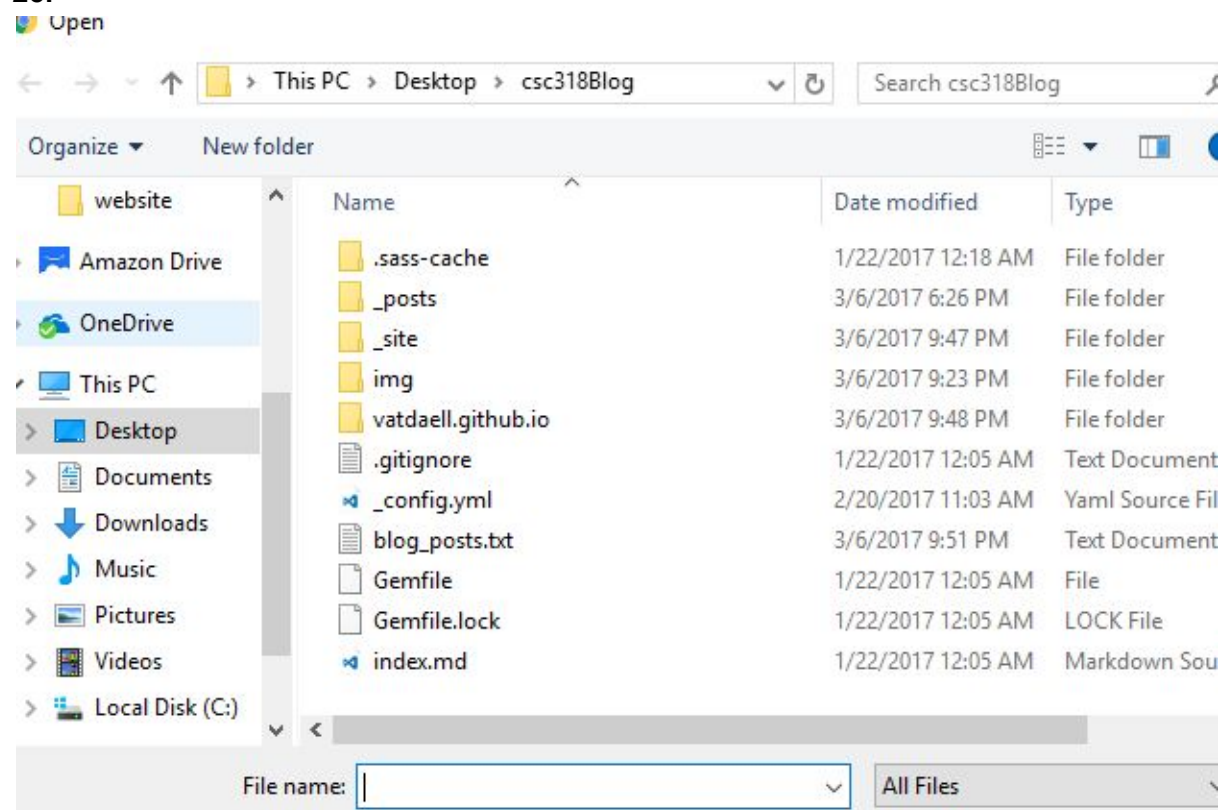
**Problem:** When a student tries to invite another student to form a group, recognition becomes an issue since most students do not remember their partner's username. Allowing students to invite others using their names is a much better idea since it is a better recognition tool than a student's username.

**Violated Heuristics:** H4 (Consistency), H6 (Flexibility) , H7 (Flexibility), H8 (Design)

**Severity (ANSAF):** 2

**Severity (DHARAMDASANI):** 3

25.





**Problem:** When submissions for marking offline are collected and downloaded, the grader receives a zipped file with repository names instead of student names. This is problematic since there is a recognition issue with repository names and the search feature in MarkUs is for the name user field.

**Violated Heuristics:** H4 (Consistency), H6 (Recognition), H7 (Flexibility)

**Severity (ANSAF):** 1

**Severity (DHARAMDASANI):** 2