Individual assessment feedback (INDAF)

User guide

App Version 0.22.1.0

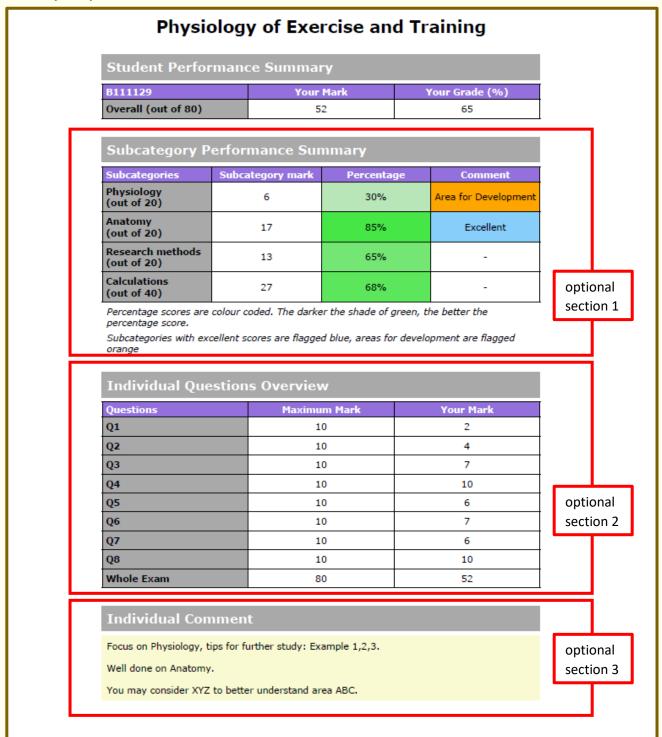
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1 Main INDAF outputs

The App 'Individual assessment feedback (INDAF) is suitable for any assessment for which questions can be grouped into subcategories. INDAF creates individual feedback reports in pdf format, providing students with the overall grade and a generic feedback section. The user can then select from three optional sections to be included in the report. These sections all relate to the student's individual performance. For subcategories, excellent performance, as well as performance that requires attention (areas for development) are highlighted.

Example report



Example report, continued from previous page

Generic Feedback

Below is generic group feedback which represents a summary of students' performance on the above examination. Reflect on the general areas of strength and areas for attention and consider the extent to which they apply to you/your performance. Take note of the general advice for future assessments.

General strengths (aspects done well)

(e.g. re: knowledge/understanding; critical thinking/analysis; reading/research; presentation/communication)

- Anatomy-related questions were very well answered (69% average)
- Questions 4 and 8 were very well answered

General areas for attention (aspects not done so well) (e.g. re: knowledge/understanding; critical thinking/analysis; reading/research; presentation/communication)

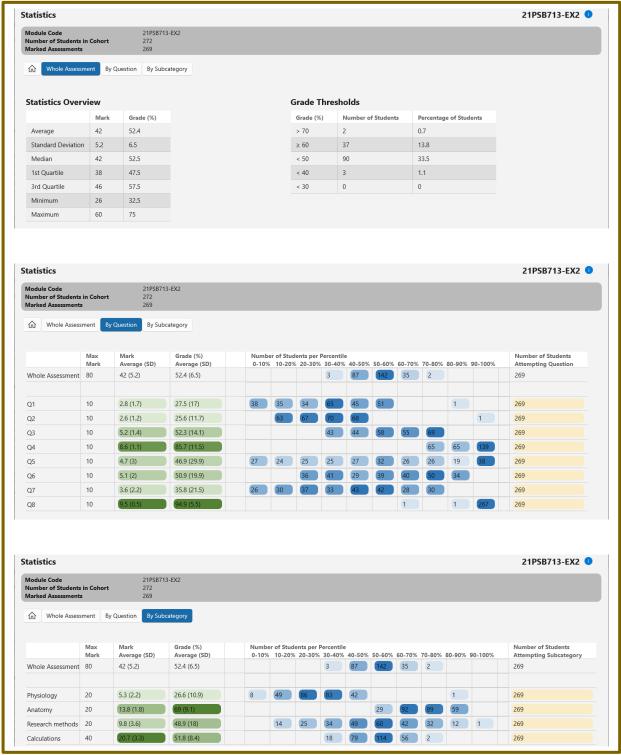
- Physiology-related questions were poorly answered (27% average)
- Questions 1 and 2 were poorly answered

General advice for future assessments

- Try to link material taught in the labs with material taught in the lectures. Seeing the link will help you truly understand
- Use the core textbooks indicated to revise (main textbook: Physiology of Sport and Exercise by Kenney/Wilmore/Costill, and those indicated by invited lecturers) do not limit your revision to studying the lecture slides only.
- Read additional literature suggested in any "further reading" recommendation (this
 includes readings in the lab book!).

On completion of the marking, statistics are available for the whole assessment (top), questions (middle), and subcategories (bottom).

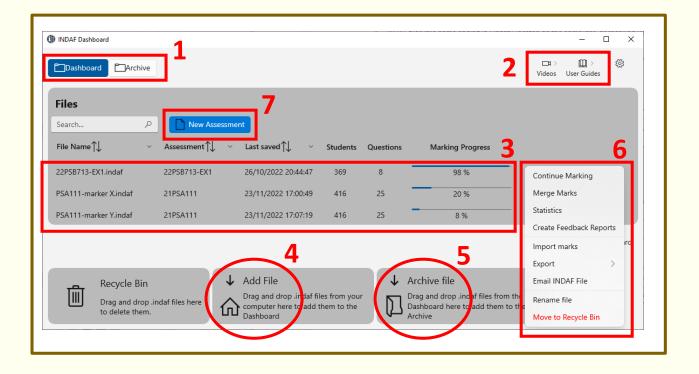
Example statistics overview



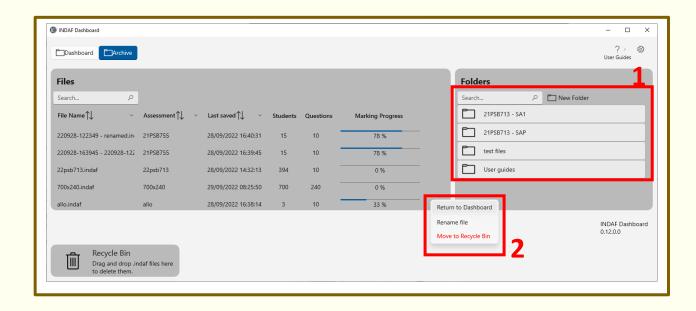
2 Navigation through INDAF

2.1 Dashboard and Archive

- 1. Switch between Dashboard and Archive using the top tabs.
- 2. View user guides.
- 3. Current assessments, as well as their current marking progress, are shown in the Dashboard.
- 4. INDAF files (file name ending in '.indaf') located on the computer, or received via e-mail, can be added to the dashboard (drag and drop).
- 5. Current assessments no longer needed can be added to the Archive (drag and drop).
- 6. Clicking on assessment opens action menu.
- 7. 'New assessment' moves the user to Tab 1: Setup (chapter 2.2).

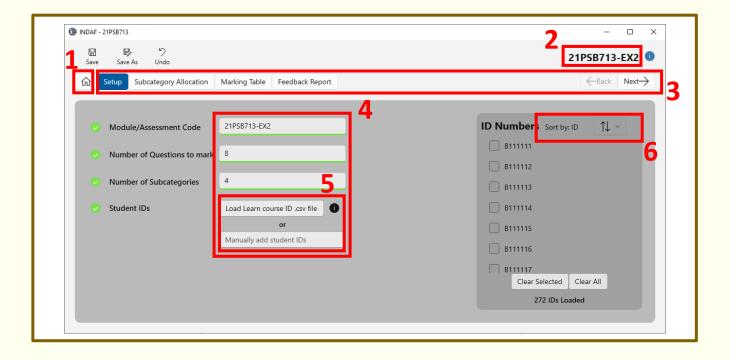


- 1. Within the Archive, files can be organised within folders (create 'New Folder' if required). Once, created, drag/drop files into folders.
- 2. To edit an Assessment, click on it and return it to the Dashboard. Most options to edit or process assessments (see action menu in step 6 above) are only available in the Dashboard.



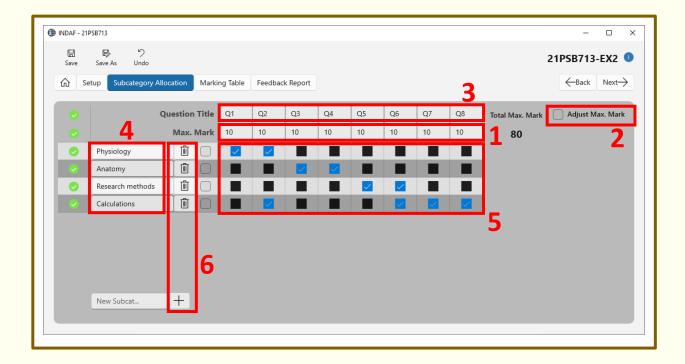
2.2 Setup

- 1. Home icon. This returns the user to the dashboard from anywhere within INDAF.
- 2. Current assessment always shown in top right corner.
- 3. Navigation within the assessment.
- 4. Hover over input fields to reveal further information.
- 5. Download ID numbers from Learn (Click information icon for further detail). Alternatively, manually insert student IDs in the input box below. This can be done in bulk, e.g., copy cells from an Excel spreadsheet and paste them into the field 'Manually add student IDs'.
- 6. Students are sorted by ID by default. If they were imported from Learn via the .csv file, it is also possible to sort them by student name. Whilst student names are not shown (anonymity!), they are stored in the background. Sorting IDs by student name may be helpful if exam scripts are returned in that order (as is often the case for exam hall assessments). This order will be retained in the marking table, which means the order within the INDAF file matches the order of the scripts received.



2.3 Subcategory allocation

- 1. Input maximum marks awarded per question. Right clicking into any 'Max. mark' field allows to allocate the same Max. Mark to all questions.
- 2. If an assessment has optional questions (causing the assessment Total Max. Mark to be lower than the sum of all questions), the 'Total Max. Mark' must be adjusted manually. See Chapter 3.5 for more detailed explanations.
- 3. Amend question titles (optional); e.g., change' Q1' to '1a'.
- 4. Amend subcategory titles; e.g., change' Subcategory 1' to 'Physiology'.
- 5. Allocate questions to subcategories using the tick boxes.
- 6. If, at <u>any</u> point during the marking process, any of the specifics in this Tab need changing, users can return and update (includes adding/removing subcategories).



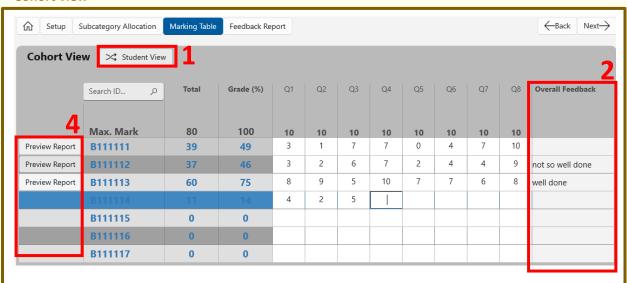
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2.4 Marking table

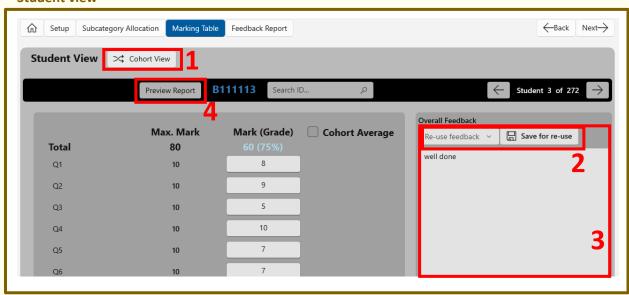
Marks can be entered either in cohort view or in student view

- 1. Swap between student and cohort view (use any according to personal preference)
- 2. Optional: Complete Overall (qualitative) feedback, which is individual to each student (most likely not appropriate for large cohorts!).
- 3. Qualitative comments often used can be saved and re-used.
- 4. Once a student is completely marked, the 'Preview Report' Option appears (may be useful to inform any overall feedback to the student).

Cohort view

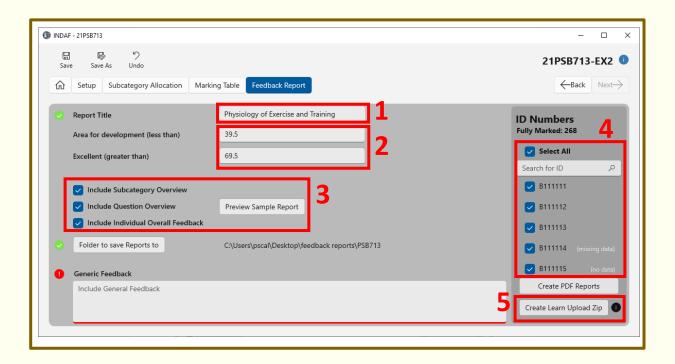


Student view



2.5 Feedback report

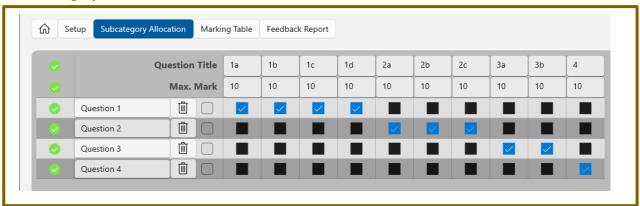
- 1. The report title appears as first line on the report.
- 2. Grade boundaries are pre-set for an Undergraduate Assessment, they can be manually changed if required.
- 3. Choose sections to be included in report, preview sample report to check the report layout.
- 4. If all ID numbers are selected, INDAF only creates reports for those students that have been marked ('Zero-mark reports' are <u>not</u> created).
- 5. 'Create Learn Upload Zip' creates a Zip file that allows the direct upload of all PDF reports onto the respective student profiles on Learn. An assignment activity on Learn needs creating first for this. For more detailed information, see information icon, or chapter **Error!**Reference source not found. within this guide.



Creating subcategories – examples

Example 1: Subcategories formed based on sub-questions

Subcategory Allocation

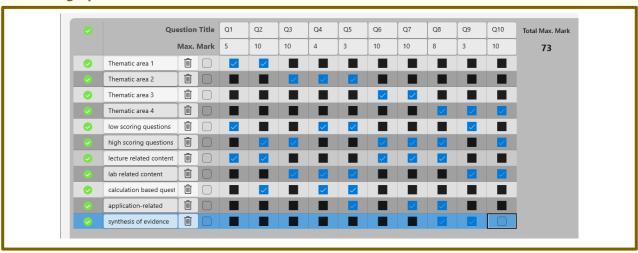


Student Perf	orman	ce Summai	'y		
a		Your	Mark	١	our Grade (%)
Overall (out of 100))	60	0		60
Subcategories	Subca	ategory mark	Percentag	ge	Comment
Subcategories Subcategories	_			ge	Comment
	_				
Question 1 (out of 40)		26	65%		-
		26 25	65% 83%		- Excellent
(out of 40) Question 2					Excellent Area for Developmen

Example 2: Subcategories formed based on question scores (low vs high), lab vs 3.2 lecture content, nature of questions, or thematic areas

You may want to associate more than one subcategory per question. Below, question 2 belongs to Thematic area 1, but is also a high scoring question, and tests lecture related content. Creating more subcategories as such may hence provide the learner with more detail in the feedback report.

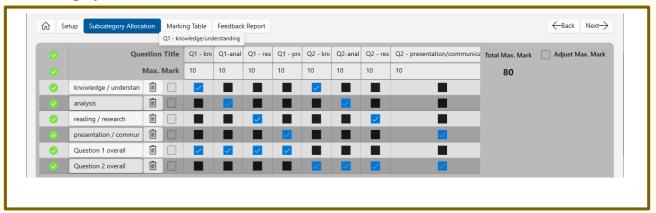
Subcategory Allocation



Student Perfor	mance Summa	ry	
a	Your	Mark	Your Grade (%)
Overall (out of 73)	4	4	60
	erformance Sur	mmary	
Subcategories	Subcategory mark	Percentage	Comment
Thematic area 1 (out of 15)	14	93%	Excellent
Thematic area 2 (out of 17)	10	59%	-
Thematic area 3 (out of 20)	5	25%	Area for Development
Thematic area 4 (out of 21)	15	71%	Excellent
low scoring questions (out of 15)	9	60%	-
high scoring questions (out of 58)	35	60%	-
lecture related content (out of 43)	23	53%	-
lab related content (out of 30)	21	70%	Excellent
calculation based questions (out of 17)	12	71%	Excellent
application-related (out of 21)	9	43%	-
synthesis of evidence (out of 11)	7	64%	-

3.3 Example 3: Subcategories formed based on essay-based questions

Subcategory Allocation



Associated feedback report

Student Performance Summary

a	Your Mark	Your Grade (%)	
Overall (out of 80)	38	48	

Subcategory Performance Summary

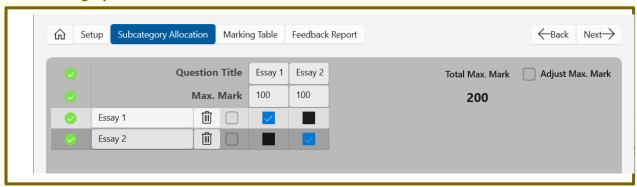
Subcategories	Subcategory mark	Percentage	Comment
knowledge / understanding (out of 20)	9	45%	-
analysis (out of 20)	5	25%	Area for Development
reading / research (out of 20)	7	35%	Area for Development
presentation / communication (out of 20)	17	85%	Excellent
Question 1 overall (out of 40)	15	38%	Area for Development
Question 2 overall (out of 40)	23	58%	-

3.4 Example 4: Essay-based questions – feedback NOT based on subcategories

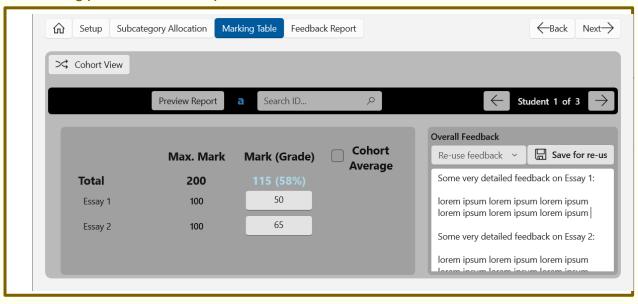
For essay-based questions, you may want to give students qualitative feedback only, without dividing essay questions into subcategories. In this case, subcategory titles are given the same name as the questions titles.

Going a step further, the subcategory analysis can be taken off from the feedback report altogether (however, this requires some detailed qualitative comments to make sure students receive individual feedback on their essay — otherwise the feedback report only consists of the overall mark and some generic feedback).

Subcategory Allocation



Marking (student view shown)



Associated feedback report

Student Performance Summary

а	Your Mark	Your Grade (%)	
Overall (out of 200)	115	58	

Subcategory Performance Summary

Subcategories	Subcategory mark	Percentage	Comment	t	
Essay 1 (out of 100)	50	50%	-	optic	onal
Essay 2 (out of 100)	65	65%	-	secti	on

Percentage scores are colour coded. The darker the shade of green, the better the percentage score.

Subcategories with excellent scores are flagged blue, areas for development are flagged orange

Individual Comment

Some very detailed feedback on Essay 1:

lorem ipsum lorem ipsum lorem ipsum lorem ipsum lorem ipsum lorem ipsum

Some very detailed feedback on Essay 2:

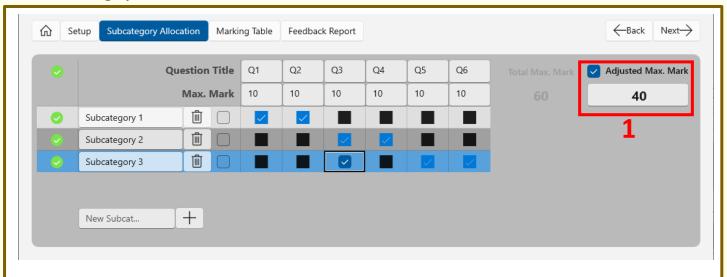
lorem ipsum lorem

3.5 Example 5: Optional questions

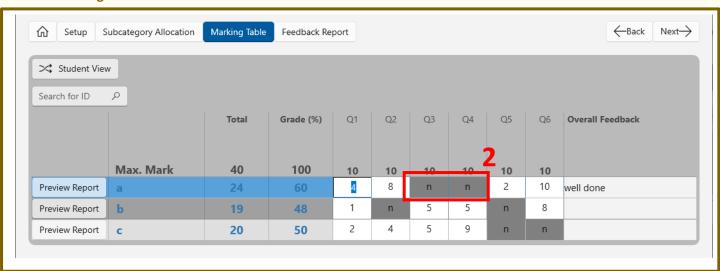
Example: Assessment for which 4 out of 6 questions need answering

- 1. Within 'Subcategory Allocation' adjust the 'Total Max. Mark'. In this example, it is reduced to 40.
- 2. Within 'Marking table', code any questions that were not attempted with 'n'.
- 3. This ensures correct calculations in the feedback report.

Subcategory Allocation



Marking table



Student Performance Summary

a			Your Mark	Your Grade (%)	
Overall	Overall (out of 40)		24	60	
		3			

Subcategory Performance Summary

Subcategories	Subcategory mark	Percentage	Comment
Subcategory 1 (out of 20)	12	60%	-
Subcategory 2 (out of 0)	n/a	n/a	No Question selected in subcategory
Subcategory 3 (out of 20)	12	60%	-

Percentage scores are colour coded. The darker the shade of green, the better the percentage score.

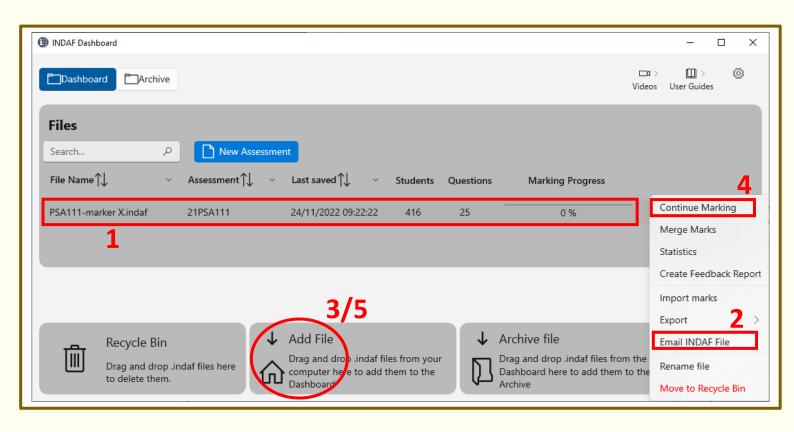
Subcategories with excellent scores are flagged blue, areas for development are flagged orange

Individual Questions Overview

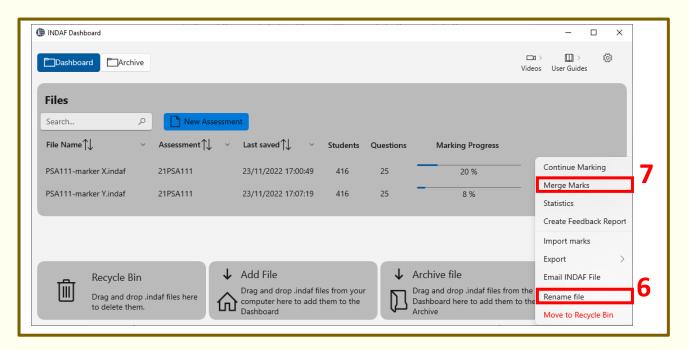
Questions	Maximum Mark	Your Mark
Q1	10	4
Q2	10	8
Q3	10	Question Not Attempted
Q4	10	Question Not Attempted
Q5	10	2
Q6	10	10
Whole Exam	40	24

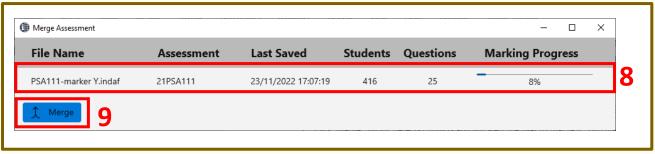
4 Multiple markers: Sharing and merging INDAF files

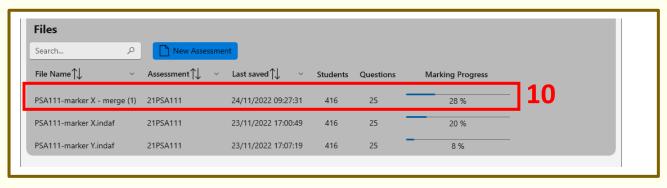
- 1. Module leader to complete all relevant assessment information (Setup and subcategory allocation, see chapters 2.2 and 2.3). Save assessment and return to Dashboard (Marking Progress is 0% as nothing has been marked yet).
- 2. This INDAF file is now shared with all external markers via e-mail (click on Assessment and select E-mail option).
- 3. When markers receive this file, instruct them to drag/drop it into their INDAF dashboard via 'Add file'.
- 4. They then complete their marking (see chapter 2.4).
- 5. On completion of the marking, module leaders collate all INDAF files via e-mail (external markers follow step 2 above) and add them to their Dashboard (drag and drop files onto 'Add file').



- 6. Rename file if necessary
- 7. Select 'Merge Marks' to compile all marks into a single file (example: if there are 3 external markers, this process is repeated 3 times).
- 8. Select the file to Merge.
- 9. Click 'Merge'. INDAF detects conflicts and will alert the user to that (e.g., two markers accidently mark the same student, and there are differing marks for the same student)
- 10. A new merged file is now created that includes data from both markers (in the example below, the 20% marked by X have been added to the 8% marked by Y)







5 Importing marks into INDAF

5.1 Step 1: Set up assessment within INDAF

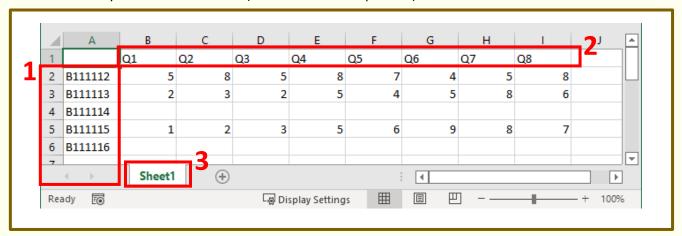
Follow the steps outlined in chapters 2.2 and 2.3 to set up an assessment, then save it. At this point the assessment does not contain any marks.

The assessment may contain more questions than the marker plans to import (e.g., the marker may wish to import marks for 8 questions, but manually mark an additional 4 questions within INDAF - in this case, 12 questions must be defined in the exam up. The import function will then import the 8 external questions and include that data, leaving Q9 – Q12 blank for manual marking.

5.2 Step 2: Preparing the data to import

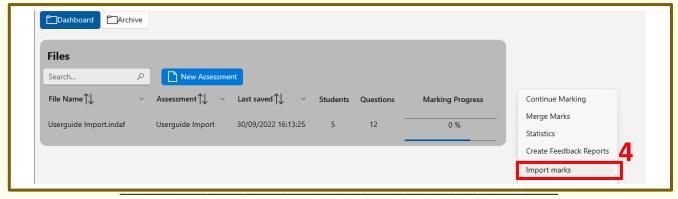
Data must be prepared in Excel and saved as an xls, xlsx, or csv file. It may be data generated from a Learn Quiz or OMR data. For INDAF to recognise data it must have the following format:

- 1. ID numbers must be given in column 1
- 2. Question titles must be given in row 1 (cell A1 is ignored, can be empty or non-empty)
- 3. Only 1 tab should be used (do not create multiple tabs)



5.3 Step 3: Import marks

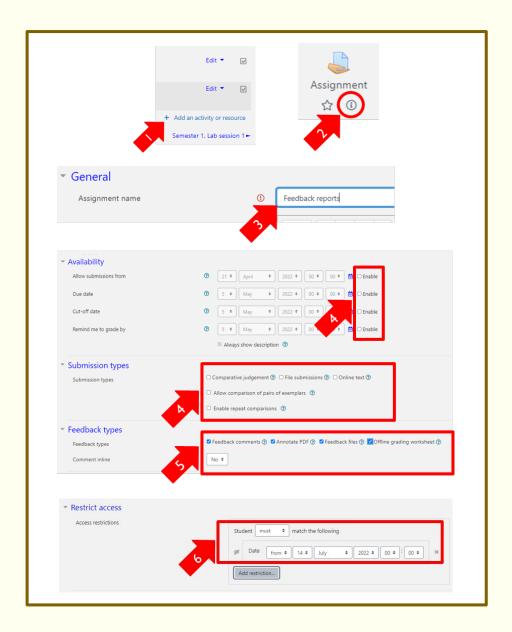
4. On the dashboard, select the saved INDAF assessment, and select 'Import marks'. In the following prompt, select the Excel file that contains the data to import.



6 Adding feedback report pdfs to Learn

6.1 Step 1: Create an assignment activity in Learn

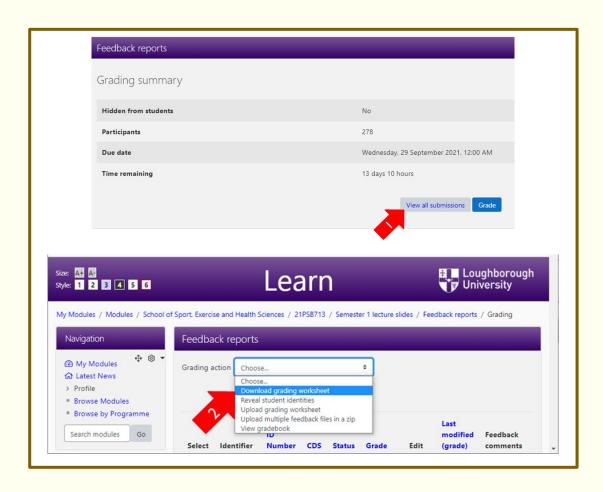
- 1. On the module main page, add a new activity (scroll to bottom of page)
- 2. Select 'Assignment', click on (i), then 'Add'
- 3. Name the activity (e.g., 'Feedback report Sem. 1')
- 4. Untick all boxes related to Availability and Submission types
- 5. Tick all boxes related to Feedback types
- 6. Restrict access, so students can only view reports from marks release date



6.2 Step 2: Download (blank) grading worksheet from Learn

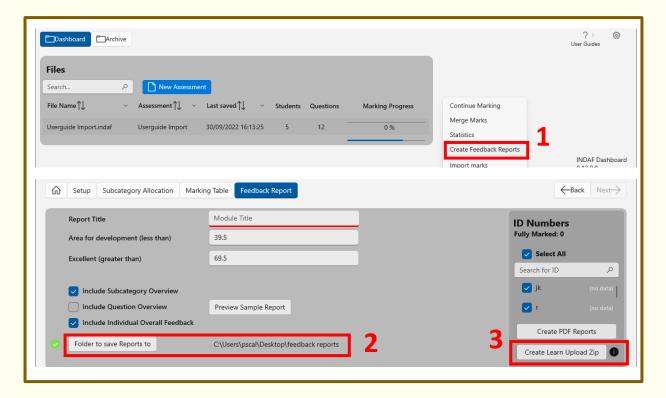
- 1. Access the assignment activity created in the previous step (6.1), click 'View all submissions'
- 2. Select 'Download grading worksheet'. This saves the grading worksheet as a csv file in your generic Downloads folder (to be used in Step 3, 6.3).

The reason for doing this: Within this file, the ID numbers of the students are listed alongside a Learn Identifier number, which is required for correct upload/allocation of the feedback reports.



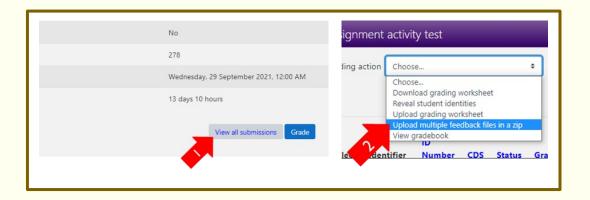
6.3 Step 3: Create the Learn Upload Zip using INDAF

- 1. In the Dashboard, select Create Feedback reports. This directs the User to the Feedback report page.
- 2. Define a folder to save reports to
- 3. 'Create Learn Upload Zip'. This opens a file selector. Select the csv file downloaded in Step 2 (6.2; the blank grading worksheet). This then creates the Zip file required for the next step.



6.4 Step 4: Upload the Learn Upload Zip

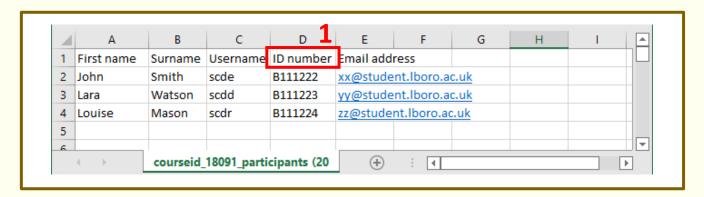
- 1. Go to your module, access the Assignment activity you created in Step 1, and click the link to 'View all submissions'.
- 2. Use the 'Grading action' dropdown menu to choose 'Upload multiple feedback files in a zip'.
- 3. Select the Zip file you have created in Step 3 (6.3) and submit the form. This matches the feedback reports with the students in your module, visible in the 'View all submissions' area of the Assignment activity.



7 Nerdy stuff

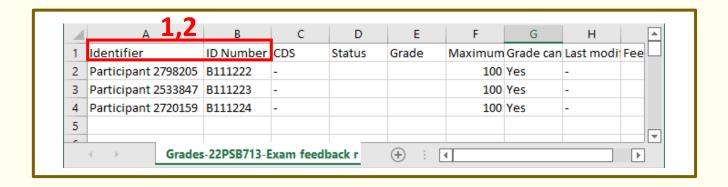
7.1 Csv file requirement: Load Learn course ID csv. file

- 1. Header must contain the word 'ID number'
- 2. INDAF will extract all data underneath that title



7.2 Csv file requirement: Create Learn Upload Zip

- 1. Header must contain the word 'ID number'
- 2. Header must contain the word 'Identifier'
- 3. INDAF will extract all data underneath these titles



7.3 Undo function (Ctrl+Z)

'Undo' is only available for these specific actions:

- 1. Add/remove student IDs
- 2. Change textbox input (only the immediate last action)
- 3. Deleting subcategories
- 4. Paste from excel

8 Questions and feedback

Any questions or suggestions for further improvement, please contact indaf@mailbox.lboro.ac.uk
User guide version 30/11/2022
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