

Individual assessment feedback (INDAF)

User guide

App Version 0.12.0.0

Supporting videos (may have to be accessed outside user guide)

- General introduction (xx min)
- Questions with sub-questions ('1a, 1b, 1c, ...') (x min)
- Optional questions ('answer 10 out of 15') (x min)
- Essay based exams (x min)
- Multiple markers: Merge marks (x min)
- Importing data (x min)

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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

Physiology of Exercise and Training			
Student Performance Summary			
B111129	Your Mark	Your Grade (%)	
Overall (out of 80)	52	65	
Subcategory Performance Summary			
Subcategories	Subcategory mark	Percentage	Comment
Physiology (out of 20)	6	30%	Area for Development
Anatomy (out of 20)	17	85%	Excellent
Research methods (out of 20)	13	65%	-
Calculations (out of 40)	27	68%	-
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	2	
Q2	10	4	
Q3	10	7	
Q4	10	10	
Q5	10	6	
Q6	10	7	
Q7	10	6	
Q8	10	10	
Whole Exam	80	52	
Individual Comment			
Focus on Physiology, tips for further study: Example 1,2,3.			
Well done on Anatomy.			
You may consider XYZ to better understand area ABC.			

Example report, continued from previous page

Generic Feedback

Overall exam performance: Average mark 60%, percentage of students with distinction: 22%, percentage of students failing: 9%

General strengths (aspects done well)

- Energy expenditure related questions were very well answered (72% average)
- Calculations based questions were very well answered (70% average)
- Oxygen uptake related questions were generally well answered

General areas for attention (aspects not done so well)

- Question related to scientific reading were very poorly answered (38% average). Mandatory readings for lab sessions and further reading as indicated in lectures will continue to be part of Semester 2. As the reading is mandatory, it will also be part of the Semester 2 exam.
- Perhaps surprisingly, laboratory skills related questions were also not that well answered (54% average). Whilst labs may not be as intellectually intense as digesting the lecture part of the module, please make sure that you understand concepts and techniques taught in the labs.

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, a statistics overview is available.

Example statistics overview

INDAF Dashboard

AssessmentQuestionsSubcategories

Module Code

21PSB713

Number of Students in Cohort

272

Marked Assessments

272

Assessment Overview

	Mark Scored	Grade (%)
Average	41.8	52.3%
Standard Deviation	5.1	6.3%
Median	42	52.5%
1st Quartile	38	47.5%
3rd Quartile	46	57.5%
Minimum	26	32.5%
Maximum	56	70%

Grade (%)	Number of Students	Percentage of Students
> 70	1	0.4%
< 70	271	99.6%
< 50	92	33.8%
< 40	3	1.1%

INDAF Dashboard

AssessmentQuestionsSubcategories

Module Code

21PSB713

Number of Students in Cohort

272

Marked Assessments

272

Questions Overview

	Max. Mark	Mark Scored Average (SD)	Grade (%) Average (SD)	Number of Students per Percentile										Number of Students Attempting Question
				0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	
Whole Assessment	80	41.8 (5.1)	52.3 (6.3)				3	89	144	35	1			272
Q1	10	2.7 (1.7)	27.2 (16.6)	38	37	35	66	45	51					272
Q2	10	2.5 (1.1)	25.3 (11.1)		64	68	71	69						272
Q3	10	5.2 (1.4)	52.3 (14.1)				44	45	57	56	70			272
Q4	10	8.6 (1.1)	85.7 (11.5)								66	66	140	272
Q5	10	4.7 (3)	46.6 (29.7)	27	24	26	26	28	32	28	24	19	38	272
Q6	10	5.1 (2)	50.9 (19.9)			36	42	29	39	41	50	35		272
Q7	10	3.5 (2.2)	35.4 (21.7)	29	30	37	33	44	41	28	30			272
Q8	10	9.5 (0.5)	95 (5)										272	272

INDAF Dashboard

AssessmentQuestionsSubcategories

Module Code

21PSB713

Number of Students in Cohort

272

Marked Assessments

272

Questions Overview

	Max. Mark	Mark Scored Average (SD)	Grade (%) Average (SD)	Number of Students per Percentile										Number of Students Attempting Question
				0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	
Whole Assessment	80	41.8 (5.1)	52.3 (6.3)				3	89	144	35	1			272
Q1	10	2.7 (1.7)	27.2 (16.6)	38	37	35	66	45	51					272
Q2	10	2.5 (1.1)	25.3 (11.1)		64	68	71	69						272
Q3	10	5.2 (1.4)	52.3 (14.1)				44	45	57	56	70			272
Q4	10	8.6 (1.1)	85.7 (11.5)								66	66	140	272
Q5	10	4.7 (3)	46.6 (29.7)	27	24	26	26	28	32	28	24	19	38	272
Q6	10	5.1 (2)	50.9 (19.9)			36	42	29	39	41	50	35		272
Q7	10	3.5 (2.2)	35.4 (21.7)	29	30	37	33	44	41	28	30			272
Q8	10	9.5 (0.5)	95 (5)										272	272

2 Navigation through INDaf

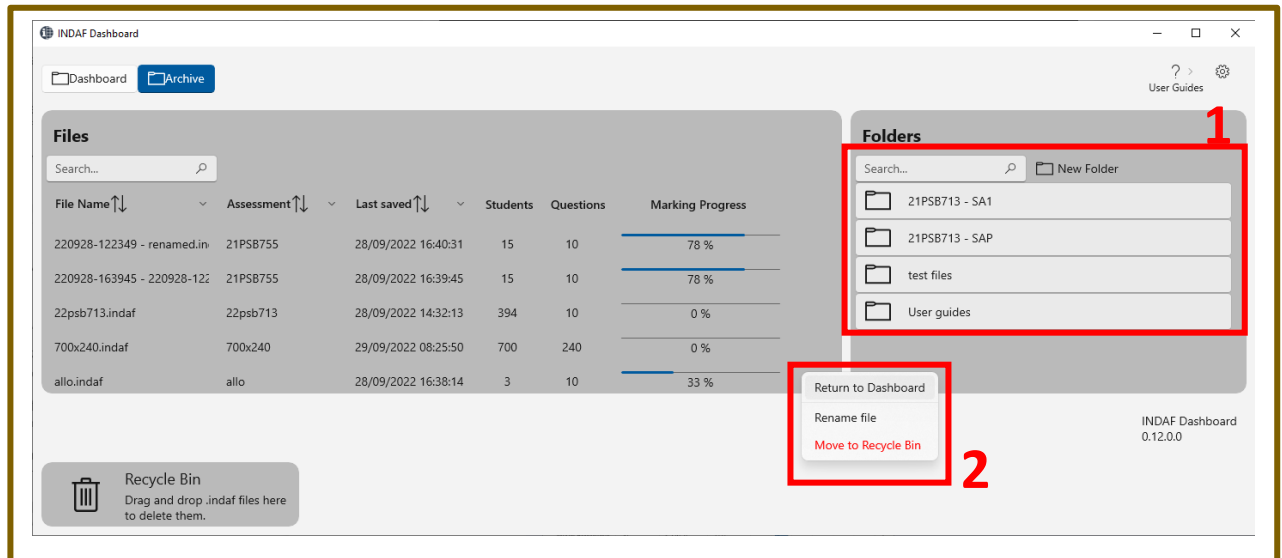
2.1 Dashboard and Archive

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 tab.
7. 'New assessment' moves the user to Tab 1: Setup (chapter 0).

The screenshot shows the INDaf Dashboard interface. At the top, there are tabs for 'Dashboard' (1) and 'Archive'. A 'User Guides' link (2) is in the top right. The main section is titled 'Files' and contains a search bar and a 'New Assessment' button (7). Below this is a table of assessments with columns: File Name, Assessment, Last saved, Students, Questions, and Marking Progress (3). The table lists three assessments: 21PSB713.indaf (100% progress), 21PSC123 - marker XY.indaf (20% progress), and PSA111 - marker CLindaf (0% progress). At the bottom, there are three buttons: 'Recycle Bin', 'Add File' (4), and 'Archive file' (5). A context menu (6) is open over the table, showing options like 'Continue Marking', 'Merge Marks', 'Statistics', 'Create Feedback Reports', 'Import marks', 'Export', 'Email Marking Table', 'Rename file', and 'Move to Recycle Bin'.

File Name	Assessment	Last saved	Students	Questions	Marking Progress
21PSB713.indaf	21PSB713-EX2	30/09/2022 09:45:30	272	8	100 %
21PSC123 - marker XY.indaf	21PSC123-EX1	30/09/2022 09:45:12	2	5	20 %
PSA111 - marker CLindaf	21PSA111	30/09/2022 09:44:13	416	25	0 %

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 tab 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.

The screenshot shows the 'Setup' screen for the assessment '21PSB713-EX2'. The interface includes a top navigation bar with a home icon (1), 'Save', 'Save As', and 'Undo' buttons, the assessment code '21PSB713-EX2' (2), and navigation buttons 'Back' and 'Next' (3). Below the navigation bar, the 'Setup' tab is active, showing configuration options: 'Module/Assessment Code' (21PSB713-EX2), 'Number of Questions to mark' (8), 'Number of Subcategories' (4), and 'Student IDs'. The 'Student IDs' section (4) contains a 'Load Learn course ID .csv file' button with an information icon (5) and a 'Manually add student IDs' button. To the right, the 'ID Numbers' section (6) displays a list of student IDs (B111111 to B111117) with checkboxes, a 'Sort by: ID' dropdown menu, and 'Clear Selected' and 'Clear All' buttons. A status bar at the bottom indicates '272 IDs Loaded'.

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 any point during the marking process, any of the specifics in this Tab need changing, users can return and update (includes adding/removing subcategories).

The screenshot displays the 'Subcategory Allocation' tab for the assessment '21PSB713-EX2'. The interface includes a top navigation bar with 'Save', 'Save As', and 'Undo' buttons. Below this is a tabbed interface with 'Subcategory Allocation', 'Marking Table', and 'Feedback Report'. The main area contains a table for allocating questions to subcategories. The table has columns for 'Question Title' (Q1-Q8), 'Max. Mark' (10), and 'Total Max. Mark' (80). The 'Max. Mark' field is highlighted with a red box and the number 1. The 'Total Max. Mark' field is highlighted with a red box and the number 2. The 'Adjust Max. Mark' checkbox is highlighted with a red box and the number 3. The 'Question Title' row is highlighted with a red box and the number 4. The 'Subcategory' list (Physiology, Anatomy, Research methods, Calculations) is highlighted with a red box and the number 5. The 'Allocation' grid (checkboxes) is highlighted with a red box and the number 6. The 'Add new subcategory' button is highlighted with a red box and the number 7.

Question Title	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Total Max. Mark	Adjust Max. Mark
Max. Mark	10	10	10	10	10	10	10	10	80	<input type="checkbox"/>
Physiology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Anatomy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Research methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

New Subcat... +

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 (**feature currently only available in Student view**).
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

Home Setup Subcategory Allocation **Marking Table** Feedback Report

1 Student View

Search for ID 🔍

	Total	Grade (%)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Overall Feedback
Max. Mark	80	100	10	10	10	10	10	10	10	10	
Preview Report B111111	39	49	3	1	7	7	0	4	7	10	
Preview Report B111112	37	46	3	2	6	7	2	4	4	9	no so well done
Preview Report B111113	60	75	8	9	5	10	7	7	6	8	well done
B111114	11	14	4	2	5						
B111115	0	0									
B111116	0	0									
B111117	0	0									

2

4

Student view

The screenshot shows the 'Marking Table' interface. At the top, there are navigation tabs: Home, Setup, Subcategory Allocation, Marking Table (active), and Feedback Report. Below these, there is a 'Cohort View' button (annotated with a red box and '1'). The main header area contains a 'Preview Report' button (annotated with a red box and '4'), a student ID 'B111113', a search bar, and navigation arrows for 'Student 3 of 272'. The main content area is divided into two sections. The left section is a table with columns: Total, Max. Mark, Mark (Grade), and Cohort Average. The right section is titled 'Overall Feedback' and contains a 'Re-use feedback' dropdown, a 'Save for re-use' button (annotated with a red box and '3'), and a text area with the feedback 'well done' (annotated with a red box and '2').

Total	Max. Mark	Mark (Grade)	Cohort Average
Q1	10	8	
Q2	10	9	
Q3	10	5	
Q4	10	10	
Q5	10	7	

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 not 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.

3 Creating subcategories – examples

3.1 Example 1: Subcategories formed based on sub-questions

Subcategory Allocation

Home

Setup

Subcategory Allocation

Marking Table

Feedback Report

	Question Title		1a	1b	1c	1d	2a	2b	2c	3a	3b	4
	Max. Mark		10	10	10	10	10	10	10	10	10	10
✓	Question 1	<div><div></div><div></div></div>	✓	✓	✓	✓						
✓	Question 2	<div><div></div><div></div></div>					✓	✓	✓			
✓	Question 3	<div><div></div><div></div></div>								✓	✓	
✓	Question 4	<div><div></div><div></div></div>										✓

Associated feedback report

Student Performance Summary		
a	Your Mark	Your Grade (%)
Overall (out of 100)	60	60

Subcategory Performance Summary			
Subcategories	Subcategory mark	Percentage	Comment
Question 1 (out of 40)	26	65%	-
Question 2 (out of 30)	25	83%	Excellent
Question 3 (out of 20)	4	20%	Area for Development
Question 4 (out of 10)	5	50%	-

3.2 Example 2: Subcategories formed based on question scores (low vs high), lab vs 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

✓	Question Title	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total Max. Mark
	Max. Mark	5	10	10	4	3	10	10	8	3	10	73
✓	Thematic area 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
✓	Thematic area 2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
✓	Thematic area 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
✓	Thematic area 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
✓	low scoring questions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
✓	high scoring questions	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
✓	lecture related content	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
✓	lab related content	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
✓	calculation based quest	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
✓	application-related	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
✓	synthesis of evidence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Associated feedback report

Student Performance Summary			
a	Your Mark		Your Grade (%)
Overall (out of 73)	44		60

Subcategory Performance Summary			
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

Q1 - knowledge/understanding										
Question Title	Q1 - knv	Q1 - anal	Q1 - rea	Q1 - pre	Q2 - knv	Q2 - anal	Q2 - rea	Q2 - presentation/communica	Total Max. Mark	<input type="checkbox"/> Adjust Max. Mark
Max. Mark	10	10	10	10	10	10	10	10	80	
knowledge / understand	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
reading / research	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
presentation / commun	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Question 1 overall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Question 2 overall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

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

The screenshot shows the 'Subcategory Allocation' tab in a software interface. At the top, there are navigation buttons: 'Setup', 'Subcategory Allocation' (active), 'Marking Table', and 'Feedback Report'. On the right, there are 'Back' and 'Next' buttons. The main area contains a table with columns for 'Question Title', 'Essay 1', and 'Essay 2'. Below the table, there are checkboxes for 'Total Max. Mark' and 'Adjust Max. Mark'. The 'Total Max. Mark' is set to 200. The table has two rows: 'Essay 1' and 'Essay 2'. Each row has a 'Max. Mark' column with a value of 100. The 'Essay 1' row has a blue checkmark in the 'Essay 1' column and a black square in the 'Essay 2' column. The 'Essay 2' row has a black square in the 'Essay 1' column and a blue checkmark in the 'Essay 2' column.

Question Title	Essay 1	Essay 2
Max. Mark	100	100
Essay 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Essay 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Total Max. Mark: 200 ☐ Adjust Max. Mark

Marking (student view shown)

The screenshot shows the 'Marking Table' tab in a software interface. At the top, there are navigation buttons: 'Setup', 'Subcategory Allocation', 'Marking Table' (active), and 'Feedback Report'. On the right, there are 'Back' and 'Next' buttons. The main area contains a 'Cohort View' section with a 'Preview Report' button, a search bar, and a 'Student 1 of 3' indicator. Below this, there is a table with columns for 'Max. Mark', 'Mark (Grade)', and 'Cohort Average'. The table has three rows: 'Total', 'Essay 1', and 'Essay 2'. The 'Total' row shows a 'Max. Mark' of 200 and a 'Mark (Grade)' of 115 (58%). The 'Essay 1' row shows a 'Max. Mark' of 100 and a 'Mark (Grade)' of 50. The 'Essay 2' row shows a 'Max. Mark' of 100 and a 'Mark (Grade)' of 65. To the right of the table, there is an 'Overall Feedback' section with a 'Re-use feedback' dropdown, a 'Save for re-us' button, and two text boxes containing placeholder text for feedback on Essay 1 and Essay 2.

	Max. Mark	Mark (Grade)	Cohort Average
Total	200	115 (58%)	
Essay 1	100	50	
Essay 2	100	65	

Overall Feedback

Re-use feedback

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 ipsum lorem ipsum
lorem ipsum lorem ipsum lorem ipsum

Associated feedback report

Student Performance Summary

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

Subcategory Performance Summary

Subcategories	Subcategory mark	Percentage	Comment
Essay 1 (out of 100)	50	50%	-
Essay 2 (out of 100)	65	65%	-

optional
section

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

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

Home Setup Subcategory Allocation Marking Table Feedback Report ← Back Next →

	Question Title	Q1	Q2	Q3	Q4	Q5	Q6	Total Max. Mark	Adjusted Max. Mark
	Max. Mark	10	10	10	10	10	10	60	40
✓	Subcategory 1	✓	✓	■	■	■	■		
✓	Subcategory 2	■	■	✓	✓	■	■		
✓	Subcategory 3	■	■	✓	■	✓	✓		

New Subcat... +

Marking table

Home Setup Subcategory Allocation Marking Table Feedback Report ← Back Next →

Student View

Search for ID 🔍

		Total	Grade (%)	Q1	Q2	Q3	Q4	Q5	Q6	Overall Feedback
	Max. Mark	40	100	10	10	10	10	10	10	
Preview Report	a	24	60	4	8	n	n	2	10	well done
Preview Report	b	19	48	1	n	5	5	n	8	
Preview Report	c	20	50	2	4	5	9	n	n	

Student Performance Summary

a	Your Mark	Your Grade (%)
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%	-

3

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

3

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').

The screenshot shows the INDaf Dashboard interface. At the top, there are tabs for 'Dashboard' and 'Archive'. Below this is a 'Files' section with a search bar and a 'New Assessment' button. A table lists files with columns: File Name, Assessment, Last saved, Students, Questions, and Marking Progress. The first row, 'PSA111 - marker CLindaf', is highlighted with a red box and labeled '1'. To the right of the table, a context menu is open, showing options like 'Continue Marking', 'Merge Marks', 'Statistics', 'Create Feedback Reports', 'Import marks', 'Export', 'Email Marking Table' (labeled '2'), 'Rename file', and 'Move to Recycle Bin'. At the bottom, there are three main action buttons: 'Recycle Bin', 'Add File' (circled in red and labeled '3/5'), and 'Archive file'. The 'Add File' button has a house icon and text: 'Drag and drop .indaf files from your computer here to add them to the Dashboard'.

File Name	Assessment	Last saved	Students	Questions	Marking Progress
PSA111 - marker CLindaf	21PSA111	30/09/2022 09:44:13	416	25	0 %

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 accidentally mark the same student, and there are differing marks for the same student)
10. The merged file now includes data from both markers (in the example below, the 20% marked by XY have been added to the 11% marked by CL)

The screenshot shows the 'Files' section of the INDAF dashboard. It contains a table with two rows of assessment data:

File Name	Assessment	Last saved	Students	Questions	Marking Progress
PSA111 - marker CL.indaf	21PSA111	30/09/2022 12:41:05	416	25	11 %
PSA111 - marker XY.indaf	21PSA111	30/09/2022 12:40:32	416	25	20 %

A context menu is open for the 'PSA111 - marker XY.indaf' file, showing options: Continue Marking, Merge Marks (highlighted with red box and number 7), Statistics, Create Feedback Repc, Import marks, Export, Email Marking Table, Rename file (highlighted with red box and number 6), and Move to Recycle Bin.

The screenshot shows the 'Merge Assessment' dialog box. It contains a table with the same two rows as the previous screenshot:

File Name	Assessment	Last Saved	Students	Questions	Marking Progress
PSA111 - marker XY.indaf	21PSA111	30/09/2022 12:40:32	416	25	20%

The 'PSA111 - marker XY.indaf' row is highlighted with a blue background and a red box, with a red number 8 next to it. Below the table, the 'Merge' button is highlighted with a red box and a red number 9.

The screenshot shows the 'Files' section of the INDAF dashboard after the merge. The table now shows the following data:

File Name	Assessment	Last saved	Students	Questions	Marking Progress
PSA111 - marker CL.indaf	21PSA111	30/09/2022 12:43:58	416	25	31 %
PSA111 - marker XY.indaf	21PSA111	30/09/2022 12:40:32	416	25	20 %

The 'Marking Progress' column for the 'PSA111 - marker XY.indaf' row is highlighted with a red box, with a red number 10 next to it.

5 Importing marks into INDAF

5.1 Step 1: Set up assessment

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)

	A	B	C	D	E	F	G	H	I	J
1		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	
2	B111112	5	8	5	8	7	4	5	8	
3	B111113	2	3	2	5	4	5	8	6	
4	B111114									
5	B111115	1	2	3	5	6	9	8	7	
6	B111116									
7										

Sheet1

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.

Dashboard Archive

Files

Search... New Assessment

File Name	Assessment	Last saved	Students	Questions	Marking Progress
Userguide Import.indaf	Userguide Import	30/09/2022 16:13:25	5	12	0 %

Continue Marking
Merge Marks
Statistics
Create Feedback Reports
Import marks

6 Adding feedback report pdfs to Learn

6.1 Step 1: Create an assignment activity

1. On the module main page, add a new activity (scroll to bottom of page)
2. Select 'Assignment', click on ⓘ, 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

The screenshot shows the Moodle assignment creation interface with several sections and red arrows indicating the steps:

- Top Bar:** An arrow labeled '1' points to the '+ Add an activity or resource' button. An arrow labeled '2' points to the ⓘ icon next to the 'Assignment' title.
- General Section:** An arrow labeled '3' points to the 'Assignment name' field, which contains the text 'Feedback report'.
- Availability Section:** Four 'Enable' checkboxes are shown. An arrow labeled '4' points to the first 'Enable' checkbox, which is unchecked.
- Submission types Section:** A red box highlights the 'Submission types' section, which is empty. An arrow labeled '4' points to this section.
- Feedback types Section:** A red box highlights the 'Feedback types' section, which contains several checked options: 'Feedback comments', 'Annotate PDF', 'Feedback files', and 'Offline grading worksheet'. An arrow labeled '5' points to this section.
- Restrict access Section:** A red box highlights the 'Access restrictions' section, which contains a date picker set to 'from 14 July 2022 00:00'. An arrow labeled '6' points to this section.

6.2 Step 2: Download (blank) grading worksheet

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 ID number, which is required for correct upload/allocation of the feedback reports.

The image consists of two screenshots from the Loughborough University Learn system, illustrating the steps to download a grading worksheet.

Top Screenshot: Feedback reports - Grading summary

Property	Value
Hidden from students	No
Participants	278
Due date	Wednesday, 29 September 2021, 12:00 AM
Time remaining	13 days 10 hours

Buttons: [View all submissions](#) [Grade](#)

A red arrow labeled '1' points to the 'View all submissions' button.

Bottom Screenshot: Feedback reports - Grading action

Grading action dropdown menu options:

- Choose...
- Choose...
- Download grading worksheet** (highlighted)
- Reveal student identities
- Upload grading worksheet
- Upload multiple feedback files in a zip
- View gradebook

A red arrow labeled '2' points to the 'Download grading worksheet' option.

Below the dropdown menu, a table header is visible with the following columns: **Select**, **Identifier**, **Number**, **CDS**, **Status**, **Grade**, **Edit**, **Last modified (grade)**, and **Feedback comments**.

6.3 Step 3: Use INDAF to create the Learn Upload Zip

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.

The screenshot shows the INDAF Dashboard with the 'Feedback Report' form. The form has several sections: 'Report Title' with a text input, 'Area for development (less than)' and 'Excellent (greater than)' with numeric inputs, and checkboxes for 'Include Subcategory Overview', 'Include Question Overview', and 'Include Individual Overall Feedback'. A 'Folder to save Reports to' field contains the path 'C:\Users\psca\Desktop\feedback reports'. On the right, the 'ID Numbers' section shows 'Fully Marked: 0' and a list of IDs with checkboxes. At the bottom right, there are buttons for 'Create PDF Reports' and 'Create Learn Upload Zip'. Red boxes and numbers 1, 2, and 3 highlight the 'Create Feedback Reports' button, the folder path field, and the 'Create Learn Upload Zip' button respectively.

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.

The screenshot shows the 'Assignment activity test' page. It features a table with columns for 'No', '278', 'Wednesday, 29 September 2021, 12:00 AM', and '13 days 10 hours'. Below the table are buttons for 'View all submissions' and 'Grade'. A dropdown menu is open, showing options like 'Choose...', 'Download grading worksheet', 'Reveal student identities', 'Upload grading worksheet', 'Upload multiple feedback files in a zip', and 'View gradebook'. A red arrow points to the 'View all submissions' button, and another red arrow points to the 'Upload multiple feedback files in a zip' option in the dropdown menu.

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

	A	B	C	D	E	F	G	H	I
1	First name	Surname	Username	ID number	Email address				
2	John	Smith	scde	B111222	xx@student.lboro.ac.uk				
3	Lara	Watson	scdd	B111223	yy@student.lboro.ac.uk				
4	Louise	Mason	schr	B111224	zz@student.lboro.ac.uk				
5									
6									

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

	A	B	C	D	E	F	G	H	I
1	Identifier	ID Number	CDS	Status	Grade	Maximum Grade can	Last modified	Fee	
2	Participant 2798205	B111222	-			100 Yes	-		
3	Participant 2533847	B111223	-			100 Yes	-		
4	Participant 2720159	B111224	-			100 Yes	-		
5									
6									

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

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