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Gabee Home

Welcome to your new space

Use it to create something wonderful.

To start, you might want to:

- **Customise this overview** using the [edit icon](#) at the top right of this page.
- **Create a new page** by clicking the + in the space sidebar, then go ahead and fill it with plans, ideas, or anything else your heart desires.



Need inspiration?

- Get a quick intro into what spaces are, and how to best use them at [Confluence 101: organize your work in spaces](#).
- Check out our guide for ideas on how to [set up your space overview](#).
- If starting from a blank space is daunting, try using one of the [space templates](#) instead.

GOBEE Documentation

General

On this confluence project, we are setting up GOBEE documentation for the final user. This documentation is divided into multiple parts:

- Quickstart
- Features list

 The technical documentation for developers is hosted on the company [docusaurus](#).

RA developer's guidelines

Some guidelines for Relief Applications developers are available under the [Guidelines](#) page.

Documentation guidelines

We will try to keep up to date the documentation for GOBEE with 2 different formats:

- Quickstart
- Complete guide

Most of the work should be done under the Complete guide part where each feature should be detailed. The quickstart page must refer as often as possible to the complete guide.

Quickstart guidelines

It should be a collection of tutorials to use both the admin platform and the student platform. The tutorial must make a good use of screenshots and links to corresponding features.

Complete guide guidelines

How to create a new feature page ?

Create a child page with the custom feature documentation template:

▼ You find the template on the right side

age title
brief description of the feature

Use /info to add infotip, it is possible to change the nature of the info by clicking anywhere in this box and changing the icon, obtaining the following examples:

⚠ ⓘ ✖

_templates Import
Select a template from this space
Gobee
Search templates
All 118 Starred 1 Promoted 1
Custom 1 Business strategy 22 ...
Sort by Recommended
Feature template ⭐

ⓘ You can also click on the "Promoted" button to show it

Once you are finished, don't forget to publish the page.

How to write the content ?

The documentation is aimed at users with some technical understanding. You don't need to copy any code, but you can explain more in detail what the features are doing and this is achieved technically. Best to go through the steps on the platform, take notes of all steps you are taking and take screenshots.

How to organize pages ?

Don't hesitate to split the information into different pages. The documentation should be granular and no Feature should take more than 2 pages to explain. Instead, think which features might need their own page and then link them (cmd + k).

Documentation List

i This list is used to assign developers to some documentation improvements. It should be updated on a weekly basis.

GENERAL requires a general explanation, subpages will explain details (add list of required subpages to the Todo List)

SPECIFIC a more specific explanation

UP FOR GRABS not yet assigned to anyone, feel free to assign yourself

User documentation

Teachers platform

- Quick start - Teacher | @Nicolas Bernès
- Features list - Teacher
 - Dashboard @Nicolas Bernès
 - Students @Estela Ferreira
 - Groups @Nicolas Bernès
 - Assessments @Estela Ferreira
 - Assessment builder @Estela Ferreira

Students platform

- Quick start - Student | @Estela Ferreira
- Features list - Student
 - Profile @Estela Ferreira
 - Bee helper @Estela Ferreira
 - Home page @Estela Ferreira
 - Answer a topic @Estela Ferreira
- Honey pot

Technical documentation

- How to set up @Estela Ferreira
- Technologies & Database @Pacome Rivier
- Teachers platform - Technical view
 - Download to PDF @Nicolas Bernès
 - Library
 - Features list - Teacher
 - Dashboard - Explain how we do the graphs, what data we gather, etc... @Estela Ferreira
 - Students @Estela Ferreira
 - Groups @Nicolas Bernès
 - Assessments @Estela Ferreira
 - Assessment builder @Estela Ferreira
- Student platform - Technical view
 - Profile
 - Home Page
 - Bee helper
 - Praises
 - Assessments & Topics

User documentation

Teachers platform

 This is the root page for the Teachers platform user documentation. It is divided into two different parts: Quickstart and Features list.

[Quick start](#)

[Features list](#)

Quick start - Teacher

- [Log in](#)
- [Create an assessment](#)
- [Create a topic](#)
- [Create a question](#)
- [Create a student](#)
- [Assign a topic](#)
- [Dashboard](#)
- [Assign a group](#)

Log in

- ▼ Log in using the credentials of the superuser you created on the API.

The image shows a login interface with two input fields: 'Username' containing 'example' and 'Password' containing '.....'. To the right of the password field is a visibility toggle icon. A 'Login' button is located at the bottom right of the form.

Create an assessment

- ▼ Create an assessment

Dashboard

Students

Groups

Assessments

Assessment Builder

Your assessments

Public assessments

Archived assessments

Navigate to one of the
Assessment Builder's
sections

Your assessment(s)

Add assessments

Click on 'Add assessments'

Create a new assessment

Title Example assessment	Grade 8th
Subject MATH	Language English
Country United States	
Icon	
Image attachment	
<input type="button" value="Choose File"/>	<input type="checkbox"/> Private <input type="checkbox"/> Archived
No file chosen	
<input type="button" value="Cancel"/> <input type="button" value="Create"/>	

Create an assessment using the opened dialog

Create a topic

- ▼ Create a topic

 Example assessment	Grade 8th	Subject Math	Language ENG	Country USA	Private false	<input type="button" value="Edit"/>	<input type="button" value="Archive"/>	<input type="button" value="Delete"/>
--------------------------------------------------------------------------------------------------------	--------------	-----------------	-----------------	----------------	------------------	-------------------------------------	----------------------------------------	---------------------------------------

Add a topic +

Click on 'Add a topic'

Create a topic

Title * Example topic

Description * Appropriate description

When to show feedbacks ? Never

Praise 2

Max wrong answers 2

Icon * **Image attachment**

Evaluated Allow skip Archived

Choose File
No file chosen

Cancel Create

Create a topic using the opened dialog

Create a question

>Create a question

 Example assessment	Grade 8th	Subject Math	Language ENG	Country USA	Private false	 Edit  Archive  Delete
--------------------------------------------------------------------------------------------------------	-----------	--------------	--------------	-------------	---------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Add a topic +

 Example topic	Appropriate description
(0 Questions)	

Click on a topic to navigate to the topic details page

 Example topic	 Edit  Delete
---------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

description Appropriate description	Evaluated true	Allow skip false	Max wrong answers 2	Praise 2	Show feedback 0
-------------------------------------	----------------	------------------	---------------------	----------	-----------------

Add a question

(Multi-)Select Input Number Line Drag and Drop

Click on a question type in the 'Add a question' section

Title * Question statement

Order * 1

Answer * Expected answer

Image attachment **Audio attachment**

Choose File Choose File

No file chosen No file chosen

OR

Start recording

Create

Create a question using the opened dialog

Create a student

- ▼ Create a student

Students Overview

example

Students (0)									
		Add student	Edit stude...	Delete student(s)	Assign a topic				
Country	Language	Group	Search...						
<input type="checkbox"/>	Student Name	Student code	Group	Number of active assessments	Number of completed topics	Last login	Language	Country	Active
No data to display									
Items per page: 20 < < > >									

On the Students Overview page, click on 'Add student'

Create a new student

First name

Last name

Country

Language

No data to display

Active

[+ Add group](#)

[Cancel](#) [Submit](#)

Create a student using the opened dialog

Assign a topic

Assign a topic to a student

Students (1) (1 selected)									Add student	Edit stude...	Delete student(s)	Assign a topic
Country	Language	Group	Search...									
Student Name	Student code	Group	Number of active assessments	Number of completed topics	Last login	Language	Country	Active				
<input checked="" type="checkbox"/> Example Student	496943		0	0	Jun 28, 2022	English	United States	Yes				

Items per page: 20 | < < > >|

Select a student by clicking on its checkbox on the left, and click on 'Assign a topic'

Assign a topic

Students	Groups	Assessment	Assessment topic(s) availability
<input type="checkbox"/> Example Student	You don't have groups with students.	<input checked="" type="radio"/> Example assessment	<div style="display: flex; align-items: center;"> <div style="flex-grow: 1;">6/28/2022 – 6/30/2022 <input type="button" value="Calendar"/></div> <div style="margin-left: 10px;"><input checked="" type="checkbox"/> Apply the same dates to all the topics ?</div> </div> <div style="display: flex; align-items: center;"> <div style="flex-grow: 1;">6/28/2022 – 6/30/2022 <input type="button" value="Calendar"/></div> <div style="margin-left: 10px;"><input checked="" type="checkbox"/> Example topic</div> </div>

Select an assessment, topic, topic availability then click on 'Assign'

Dashboard

- How to get student results on the dashboard

In order to see results on the dashboard, there needs to be answers for the assigned topics.

To provide them yourself, do the following:

<input type="checkbox"/>	Student Name	Student code	G
<input type="checkbox"/>	Example Student	496943	<input type="button" value="Copy"/>

Copy the student code, use it to log into the student platform and answer to the topic's questions

Dashboard

 Students

 Groups

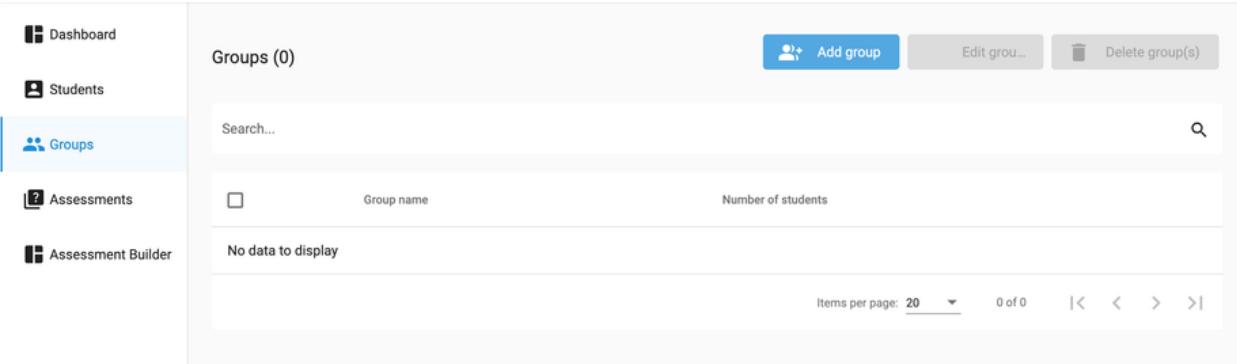
 Assessments

 Assessment Builder

You can then head back to the teacher platform's dashboard page

Assign a group

- ▼ Assign a group to a student



Group name	Number of students
No data to display	

Items per page: 20 | < < > >|

Click on 'Add group'

Create a new group

Group name
Example group

Supervisor
example

Cancel Submit

Fill in the required fields and click on 'Submit'

Students (1) (1 selected)								
Country		Language		Group		Search...		
<input checked="" type="checkbox"/>	Student Name	Student code	Group	Number of active assessments	Number of completed topics	Last login	Language	Country
<input checked="" type="checkbox"/>	Example Student	951004		0	0	English	United States	Yes

On the Students Overview page, select the student you want to add to the group and click on 'Edit student'

Edit student

First name
Example

Last name
Student

Country
United States

Language
English

Group
-
Example group

Active

Cancel

Save

Use the 'Group' dropdown menu to select the group you want to assign and click on 'Save'

Features list - Teacher

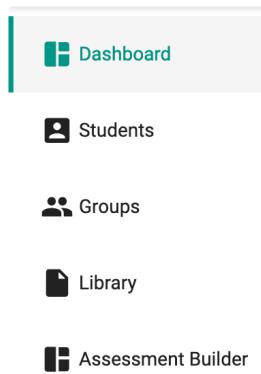
Dashboard

- [Location](#)
- [Quick start / Basic usage](#)
- [Feature description](#)
 - [Dashboard](#)
 - [Group details](#)

Location

Where to find the feature

- ▼ Admin platform



Quick start / Basic usage

The dashboard page provides a table displaying results for groups of students to their assessments.

Through it each group's **Group details** page can be accessed.

⚠ You won't be able to see data on the dashboard page until students within groups have begun answering questions.

Feature description

Dashboard

Groups	Students	Assessments	Average	Average speed	Amount of tasks
Group 1	2			3.51s	23
Group 3	1			3.28s	9

On the [Students page](#) you can follow the progress of your students.

You can check their latest SEL scores.

On the [Library](#) you can check the content of each assessment and the overall performance in each of them.

Each assessment is made up of three sets of questions, of five questions each. Which student will see as follows in the game:

The table displayed on the dashboard page displays your groups of students, with each column showing the following, in order:

- 'Groups': the group name
- 'Students': the number of students attached to the group
- 'Assessments': what the average score of the group is for the assessments its students have been assigned to (each ring represents the average score for one assessment).
- 'Average': average of the group on all of its assessments
- 'Average speed': the average speed of students within the group to answer questions
- 'Amount of tasks': number of questions students within the group are assigned to.

The number of groups displayed in the dashboard table is limited to **4**. For more information on group assessment data, you can consult the [Groups](#) page.

Group details

Groups	Students	Assessments	Average	Average speed	Amount of tasks
Group 1	2			3.51s	23
Group 3	1			3.28s	9
Group 2	0				0
Group 4	0				0

On the [Students page](#) you can follow the progress of your students.

You can check their latest SEL scores.

On the [Library](#) you can check the content of each assessment and the overall performance in each of them.

Each assessment is made up of three sets of questions, of five questions each. Which student will see as follows in the game:

You can get more information about each group by clicking on the arrow on the far-right of a group's row. This will display its **Group details** page.

For more information on the **Group details** page, please consult the [Groups](#) page.

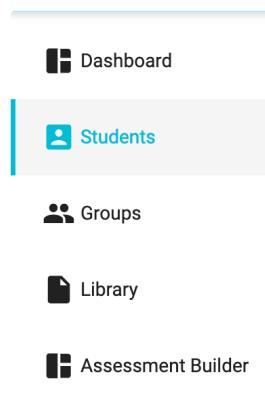
Students

- [Location](#)
- [Quick start / Basic usage](#)
- [Feature description](#)
 - [Students Overview](#)
 - [Student details](#)

Location

Where to find the feature

- ▼ Admin platform



Quick start / Basic usage

The students page provides the student list, student details and features involving them:

- Create
- Edit
- Delete
- Assign set of questions(s) to student(s) or group of students
- Consult student data per assessment through the student expanded row

Feature description

Students Overview

The screenshot shows the 'Students Overview' page. At the top, there's a decorative header with a sun, clouds, and a bee, followed by a speech bubble saying 'Hi, I am there to help'. On the right, it shows a user icon 'nbernes' with a gear. Below the header is a sidebar with navigation links: Dashboard, Students (which is selected), Groups, Library, and Assessment Builder. The main area has a search bar and a group filter section with 'Group 1', 'Group 3', and a 'Reset filters' button. A table follows, with columns: Student Name, Code, Grade, Last Login, Assessments, Average, Tasks, Speed, Honey, and three more columns represented by icons. Each row contains a checkbox, a student icon, and the student's name, code, grade, last login, and a summary of their performance across various metrics.

	Student Name	Code	Grade	Last Login	Assessments	Average	Tasks	Speed	Honey
<input type="checkbox"/>	Eric Hu	256298	1	01-24-2023	86, 100	93	10	3.92s	0 🍯
<input type="checkbox"/>	Benjamin Deloffre	418161	1	01-24-2023	67	67	7	4.00s	0 🍯
<input type="checkbox"/>	Etienne Dupont	266704	1	01-25-2023	9, 35	17	8	6.85s	0 🍯
<input type="checkbox"/>	Helen Smith	309170	1	01-23-2023	43	43	6	3.33s	0 🍯
<input type="checkbox"/>	Tommy Matthews	193717	1	01-23-2023	52, 100	71	16	3.68s	0 🍯

Students Overview

The **Students Overview** displays a table with all the supervisor's students and it also contains the features:

- **Filters**
- **Add student**
- **Edit student**
- **Delete student(s)**
- **Assign a set of questions**
- **Student expanded row**

Filters

Group filter:

You can filter the results displayed in the students table by group on the **Students Overview** page using the chip menu:

The screenshot shows the 'Students Overview' page with a different group filter selected. The group 'Group 2' is highlighted with a blue background. The rest of the interface is identical to the first screenshot, including the decorative header, sidebar, and table of student data.

	Student Name	Code	Grade	Last Login	Assessments	Average	Tasks	Speed	Honey
<input type="checkbox"/>	Benjamin Deloffre	418161	1	01-23-2023	67	67	0	4.00s	0 🍯
<input type="checkbox"/>	Etienne Dupont	266704	1	01-23-2023	57	57	1	9.00s	0 🍯
<input type="checkbox"/>	Joe Lee	282795	1	01-23-2023	50	50	6	4.83s	0 🍯
<input type="checkbox"/>	Helen Smith	309170	1	01-23-2023	56, 100	73	6	3.33s	0 🍯
<input type="checkbox"/>	Tommy Matthews	193717	1	01-23-2023	56, 100	73	16	3.68s	0 🍯

If you have more than 5 groups, this filter will appear as a dropdown menu.

You can also use the **search bar** to filter the displayed students based on any of their properties.

i You can click on the button 'Reset filters' to reset all the applied filters.

Header

When a group is selected using the group filter, the page header will show relevant data:

- The group average - How well the students within the group scored on average on their assessments
- Compared to the grade average - How well all of the students within the same grade as the group scored on their respective assessments, on average



Add student You can create a new student on the **Students Overview** page by clicking on 'Add student' button in the top right corner



'Add student' button

In the dialog box that will open, you will see the form to create a new student.

The first and last name, country, and language fields are required. The group and grade are optional.

Create a new student

First name *

Last name *

Country *

Language *

Grade

Group

Active

Student creation dialog

You can also create a new group to the student by clicking in the 'Add group' button, which will open a new dialog to create the group:

Create a new student

First name *

Last name *

Country *

Language *

Grade

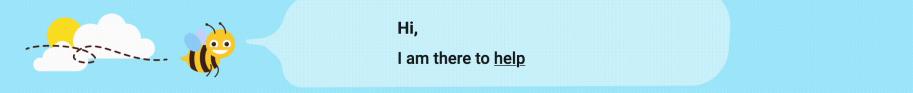
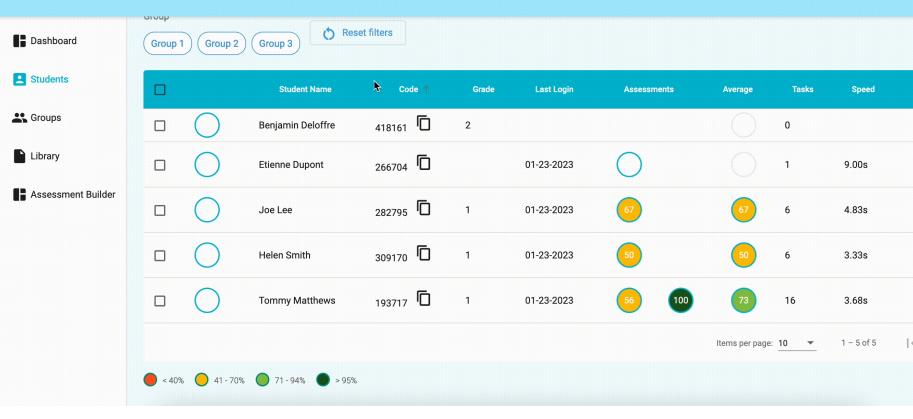
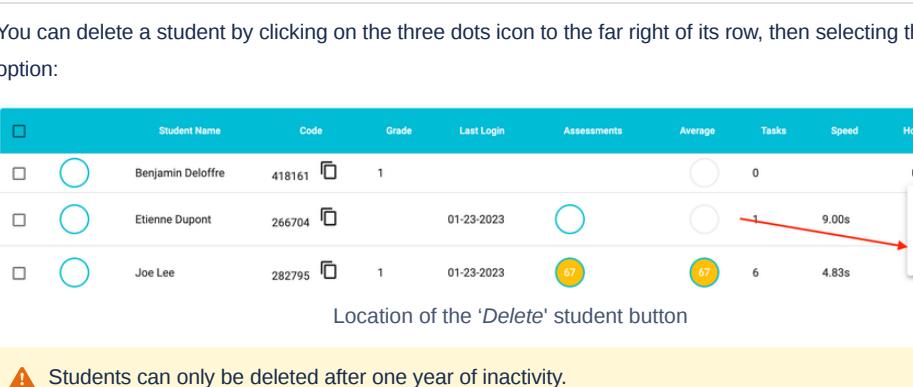
Group

+ Add group

Active

[Cancel](#)

[Submit](#)

Edit student	<p>You can edit a student on the Students Overview page by clicking on the three dots icon to the far right of its row, then selecting the '<i>Edit</i>' option:</p> 																																																																								
	 <table border="1" data-bbox="421 1053 1334 1472"> <thead> <tr> <th>Group</th> <th>Reset filters</th> </tr> </thead> <tbody> <tr> <td>Group 1</td> <td>Group 2</td> <td>Group 3</td> <td>Reset filters</td> </tr> <tr> <th></th> <th>Student Name</th> <th>Code</th> <th>Grade</th> <th>Last Login</th> <th>Assessments</th> <th>Average</th> <th>Tasks</th> <th>Speed</th> <th>Honey</th> <th>⋮</th> </tr> <tr> <td></td> <td>Benjamin Deloffre</td> <td>418161</td> <td>2</td> <td></td> <td></td> <td></td> <td>0</td> <td>0.00s</td> <td>0 🤩</td> <td>⋮</td> </tr> <tr> <td></td> <td>Etienne Dupont</td> <td>266704</td> <td>1</td> <td>01-23-2023</td> <td></td> <td></td> <td>1</td> <td>9.00s</td> <td>0 🤩</td> <td>⋮</td> </tr> <tr> <td></td> <td>Joe Lee</td> <td>282795</td> <td>1</td> <td>01-23-2023</td> <td>47%</td> <td>47%</td> <td>6</td> <td>4.83s</td> <td>0 🤩</td> <td>⋮</td> </tr> <tr> <td></td> <td>Helen Smith</td> <td>309170</td> <td>1</td> <td>01-23-2023</td> <td>56%</td> <td>56%</td> <td>6</td> <td>3.33s</td> <td>0 🤩</td> <td>⋮</td> </tr> <tr> <td></td> <td>Tommy Matthews</td> <td>193717</td> <td>1</td> <td>01-23-2023</td> <td>56% 100%</td> <td>73%</td> <td>16</td> <td>3.68s</td> <td>0 🤩</td> <td>⋮</td> </tr> </tbody> </table>	Group	Reset filters	Group 1	Group 2	Group 3	Reset filters		Student Name	Code	Grade	Last Login	Assessments	Average	Tasks	Speed	Honey	⋮		Benjamin Deloffre	418161	2				0	0.00s	0 🤩	⋮		Etienne Dupont	266704	1	01-23-2023			1	9.00s	0 🤩	⋮		Joe Lee	282795	1	01-23-2023	47%	47%	6	4.83s	0 🤩	⋮		Helen Smith	309170	1	01-23-2023	56%	56%	6	3.33s	0 🤩	⋮		Tommy Matthews	193717	1	01-23-2023	56% 100%	73%	16	3.68s	0 🤩	⋮
Group	Reset filters																																																																								
Group 1	Group 2	Group 3	Reset filters																																																																						
	Student Name	Code	Grade	Last Login	Assessments	Average	Tasks	Speed	Honey	⋮																																																															
	Benjamin Deloffre	418161	2				0	0.00s	0 🤩	⋮																																																															
	Etienne Dupont	266704	1	01-23-2023			1	9.00s	0 🤩	⋮																																																															
	Joe Lee	282795	1	01-23-2023	47%	47%	6	4.83s	0 🤩	⋮																																																															
	Helen Smith	309170	1	01-23-2023	56%	56%	6	3.33s	0 🤩	⋮																																																															
	Tommy Matthews	193717	1	01-23-2023	56% 100%	73%	16	3.68s	0 🤩	⋮																																																															
Delete student(s)	<p>You can delete a student by clicking on the three dots icon to the far right of its row, then selecting the '<i>Delete</i>' option:</p>  <p>Location of the '<i>Delete</i>' student button</p> <p>⚠️ Students can only be deleted after one year of inactivity.</p>																																																																								
Assign a set of questions	<p>On the Students Overview page you can assign sets of questions to student(s) and/or group of students.</p>																																																																								
	<p>▼ How to assign sets of questions</p>																																																																								

- 1:** You can select one or more students in the table by clicking on the checkbox **or** assign sets of questions directly to groups of students (**Step 2** and **Step 4**)

The screenshot shows a table with columns: Student Name, Code, Grade, Last Login, Assessments, Average, Tasks, Speed, and Honey. Each row represents a student with their name, code, grade, last login date, number of assessments, average score, total tasks completed, speed, and honey level. There are checkboxes next to each student's name.

	Student Name	Code	Grade	Last Login	Assessments	Average	Tasks	Speed	Honey			
<input checked="" type="checkbox"/>	Benjamin Deloffre	418161	1				0	0 🍪	...			
<input checked="" type="checkbox"/>	Etienne Dupont	266704	1	01-23-2023	<input checked="" type="radio"/>		1	9.00s	0 🍪	...		
<input type="checkbox"/>	Joe Lee	282795	1	01-23-2023	<input checked="" type="radio"/>	67	6	4.83s	0 🍪	...		
<input type="checkbox"/>	Helen Smith	309170	1	01-23-2023	<input checked="" type="radio"/>	50	6	3.33s	0 🍪	...		
<input type="checkbox"/>	Tommy Matthews	193717	1	01-23-2023	<input checked="" type="radio"/>	66	100	7.75s	16	3.68s	0 🍪	...

- 2:** Click on 'Assign assessment' button in the top right corner

- 3:** In the opened dialog you will see the selected students and the groups (**only groups with enrolled students are displayed**)

The dialog box has sections for Students, Groups, Assessment, and Assessment set(s) of questions availability. Under Students, Tommy Matthews and Helen Smith are listed. Under Groups, Group 1 and Group 3 are listed. Under Assessment, there are four radio buttons for Assessment 1, Assessment 2, Assessment 3, and Assessment 4. At the bottom are 'close' and 'Assign' buttons.

- 4:** You can select one or more groups by clicking on the group's checkbox in the 'Groups' list and thus assign sets of questions to all students in that group

- 5:** Choose one assessment at a time by clicking on the assessment's radio checkbox in the 'Assessment' list

Assessment

- Assessment 1
- Assessment 2
- Assessment 3
- Assessment 4

6: When selecting the assessment, the '*Assessment set(s) of questions availability*' section will display the available assessment sets of questions and you can select one or more sets of questions by clicking on the set of questions's checkbox (**only selected sets of questions will be considered to apply the changes**)

Assessment

Assessment set(s) of questions availability

- Assessment 1
- Assessment 2
- Assessment 3
- Assessment 4

Start date – End date 

Apply the same dates to all the sets of questions?

Subtract within 20

Start date – End date 

Finding the difference

Start date – End date 

7: Then set the start date and end date to have access to the set of questions(s), which can be done in two ways:

- Applying different dates for each set of questions



Assessment

Assessment set(s) of questions availability

- Assessment 1
- Assessment 2
- Assessment 3
- Assessment 4

Start date – End date 

Apply the same dates to all the sets of questions?

Subtract within 20

Start date – End date 

Finding the difference

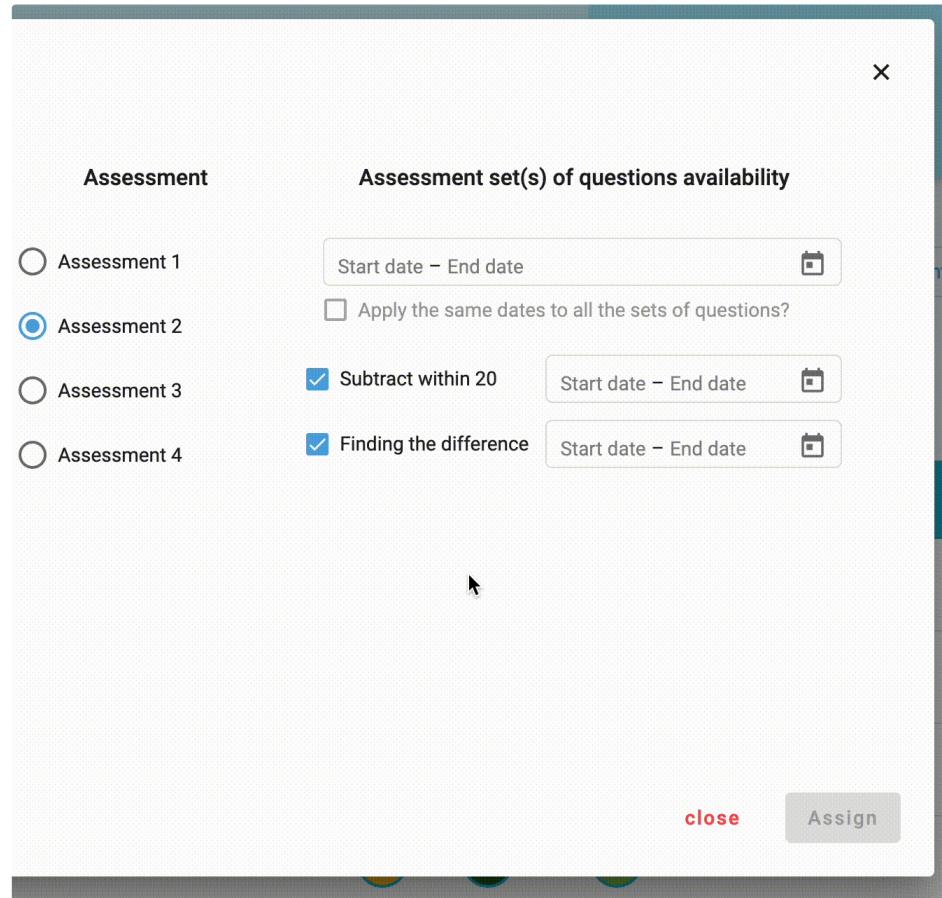
Start date – End date 



close

Assign

- Applying the same dates to all the sets of questions



8: Click on the 'Assign' button in the bottom right corner to save

Assign

Student expanded row

Within a row, clicking on a SEL icon will show the student's SEL data, while clicking on a score in the assessment list will show its assessment data:

▼ SEL data

The student's SEL data can be accessed by clicking anywhere on the SEL icon on the far left of the student row (if an icon is displayed):

	Student Name	Code	Grade	Last Login	Assessments	Average	Tasks	Speed	Honey	
<input type="checkbox"/>	Benjamin Deloffre	418161	1	01-24-2023	100	100	7	4.00s	0 🍯	⋮
<input type="checkbox"/>	Etienne Dupont	266704	1	01-24-2023	0	50	8	6.85s	0 🍯	⋮
<input type="checkbox"/>	Helen Smith	309170	1	01-23-2023	50	50	6	3.33s	0 🍯	⋮
<input type="checkbox"/>	Tommy Matthews	193717	1	01-23-2023	50	100	16	3.68s	0 🍯	⋮

Items per page: 10 | < < > > | 1 – 4 of 4

Legend: <40% (red), 41-70% (orange), 71-94% (green), >95% (dark green)

▼ Assessment data

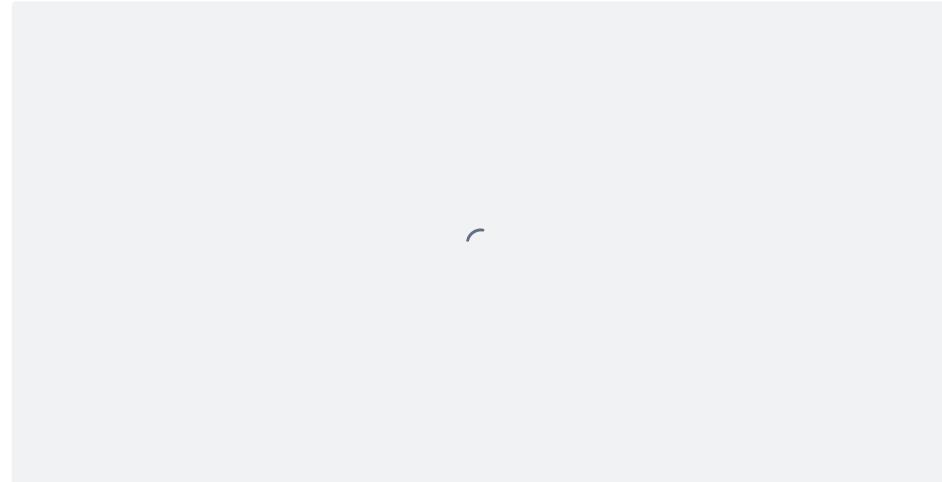
The student's assessment data can be accessed by clicking anywhere on its row (except on the SEL icons on the far left and the three dots icon on the far right), or by clicking on the desired assessment on the assessment score list:

A screenshot of the Beebooster platform interface. At the top, there is a decorative header with a sun, clouds, and a bee, followed by a message: "Hi, I am there to help". On the left, there is a sidebar with icons for Dashboard, Students (selected), Groups, Library, and Assessment Builder. The main area shows a table of student data with columns: Student Name, Code, Grade, Last Login, Assessments, Average, Tasks, Speed, Honey, and three dots. The data rows are as follows:

	Student Name	Code	Grade	Last Login	Assessments	Average	Tasks	Speed	Honey	More
<input type="checkbox"/>	Benjamin Deloffre	418161	1	01-24-2023	100	100	7	4.00s	0 🤩	⋮
<input type="checkbox"/>	Etienne Dupont	266704	1	01-24-2023	0	50	25	6.85s	0 🤩	⋮
<input type="checkbox"/>	Helen Smith	309170	1	01-23-2023	50	50	6	3.33s	0 🤩	⋮
<input type="checkbox"/>	Tommy Matthews	193717	1	01-23-2023	50	100	73	3.68s	0 🤩	⋮

At the bottom, there is a legend for the assessment scores: < 40% (red), 41 - 70% (yellow), 71 - 94% (green), and > 95% (dark green). There are also buttons for "Items per page: 10" and "1 - 4 of 4".

It is then possible to consult student data for each question using the question preview's arrow keys or the score menu just above:



N.B.: The score menu displayed above the question preview doesn't show the score of the student, but instead the average general score for this question.

In order to navigate between sets of questions of the same assessment, the menu on the left side of the expanded section can be used:

Using the buttons at the bottom of the expanded row details, these actions are also possible:



Expanded row buttons

- Assign the displayed assessment to another or the same student (via the '*Assign to another student*' and '*Assign again*' buttons)
- Open the student details page (via the '*See student details*' button)

Student details

Student details

When clicking on the 'See student details' button of a student's expanded row, you go to the **Student details** page, which contains the details of the student selected in the table.

You can edit the student directly in this page by clicking in the 'Edit student' button.

If the student has been inactive for more than one year, the 'Delete student' button will be enabled and you can also delete the student.

In the **Student Details** page you also find:

- **Student's assessments**
- **Assessments Overview**

Student's assessments

The **Student's assessments** section lists sets of questions to which the student has gained access, showing the period of guaranteed access and whether it is currently valid.

Student's assessments

Assessment 1 (3 linked set(s) of questions)	<input type="button" value="Edit set of questions accesses"/>
Assessment 2 (2 linked set(s) of questions)	<input type="button" value="Edit set of questions accesses"/>

Set of questions accesses can be edited or deleted by clicking in the 'Edit set of questions accesses' button:

Title	Subject	Number of linked sets of questions	Number of completed sets of questions	Last Login
Assessment 1	Math	3	1	01-24-2023

Assessments Overview

The **Assessments Overview** section lists assessments to which the student has accessed and answered on the student platform.

Assessments Overview					
<input type="text" value="Search..."/> 🔍					
Title	Subject	Number of linked sets of questions	Number of completed sets of questions	Last Login	⬇️
Assessment 1	Math	3	1	01-24-2023	
Assessment 2	Math	2	2	01-24-2023	

Items per page: **10** ⏺ 1 – 2 of 2 | < < > >|

By clicking on any row in the table, we are directed to the **Sets of questions** page which lists the assessment sets of questions that were answered by the student. Here we also find details such as:

- Number of accessible sets of questions
- Total completed sets of questions
- Number of questions and tries of each set of questions
- Last submission of each set of questions
- Percentage of correctly answered on first try and on last try

By clicking on any row in the sets of questions table, we are directed to the **Questions** page which lists the sets of questions question with information from student answers submissions.

The screenshot shows a user interface for a Learning Management System (LMS). On the left, there is a vertical sidebar with the following navigation links:

- Dashboard
- Students** (highlighted in blue)
- Groups
- Library
- Assessment Builder

The main content area has a light blue header with a sun, clouds, and a bee icon. A message bubble contains the text "Hi, I am there to help". The user's name "nbernes" is at the top right.

Student's assessments

Assessment 1 (2 linked set(s) of questions)	<input type="button" value="Edit set of questions accesses"/>
Assessment 2 (1 linked set(s) of questions)	<input type="button" value="Edit set of questions accesses"/>

Assessments Overview

Title	Subject	Number of linked sets of questions	Number of completed sets of questions	Last Login	⬇️
Assessment 1	Math	2	1	01-24-2023	
Assessment 2	Math	1	1	01-24-2023	

Items per page: **10** ⏺ 1 – 2 of 2 | < < > >|

Assessments

- [Location](#)
- [Quick start / Basic usage](#)
- [Feature description](#)
 - [Assessments page](#)
 - [Single questions](#)

Location

Where to find the feature

▼ Admin platform



Quick start / Basic usage

The library section provides details about each assessment, and is divided into two pages:

- [Assessments](#)
- [Single questions](#)

It is only possible to view information on this page, no information is edited here.

Feature description

Assessments page

The screenshot shows a sidebar on the left with a dropdown menu "Location". Below it are several icons with labels: "Dashboard" (blue square), "Students" (person icon), "Groups" (people icon), "Library" (book icon), "Assessments" (orange square, highlighted with a red vertical bar), "Single questions" (document icon), and "Assessment Builder" (blue square).

The main content area displays a table of assessments:

Grade	Assessment Title	Invites	Plays	Score	Action
1	Assessment 1	3	4	67	Assign
1	Assessment 2	3	2	100	Assign
1	Assessment 3	2	2	100	Assign
1	Assessment 4	1	3	0	Assign

The screenshot shows a search bar at the top with placeholder text "Search...". Below it are filter buttons for "Grade" (Grade 1, Grade 2, Grade 3) and "Subject" (Math, Literacy). A "Question type" dropdown is set to "All". A "Reset filters" button is also present.

The main content area displays a table of assessments:

Grade	Assessment Title	Invites	Plays	Score	Action
1	Assessment 1	3	4	67	Assign
1	Assessment 2	3	2	100	Assign
1	Assessment 3	2	2	100	Assign
1	Assessment 4	1	3	0	Assign

At the bottom, there are pagination controls: "Items per page: 10", "1 - 4 of 4", and navigation arrows.

Assessments page

The **Assessments** page displays a table with all non-archived assessments and it also contains the features:

- **Assessments table**
- **Assessment expanded row**
- **Assign an assessment**
- **Filters**

Assessments table

The screenshot shows a simplified table of assessments:

Grade	Assessment Title	Invites	Plays	Score	Action
1	Assessment 2	3	2	100	Assign
1	Assessment 3	2	2	100	Assign
1	Assessment 4	1	3	0	Assign
1	Assessment 1	3	4	67	Assign

At the bottom, there are pagination controls: "Items per page: 10", "1 - 4 of 4", and navigation arrows.

Assessments table

The assessment table shows all of the unarchived assessments, each column being, in order:

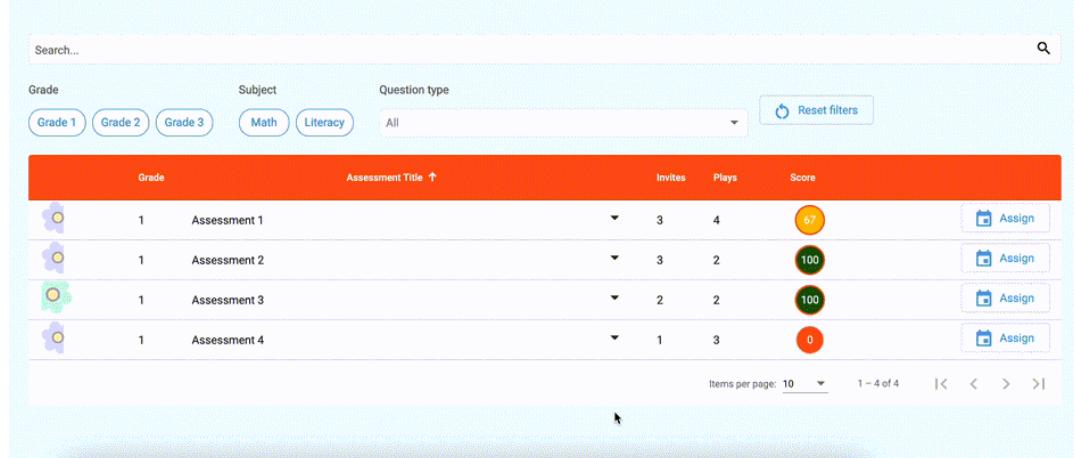
- The assessment icon

- 'Grade': grade of the assessment
- 'Assessment Title': name of the assessment
- 'Invites': number of students invited to the assessment
- 'Plays': how many times the assessment has been played by a student
- 'Score': global average score for the assessment amongst all of the students

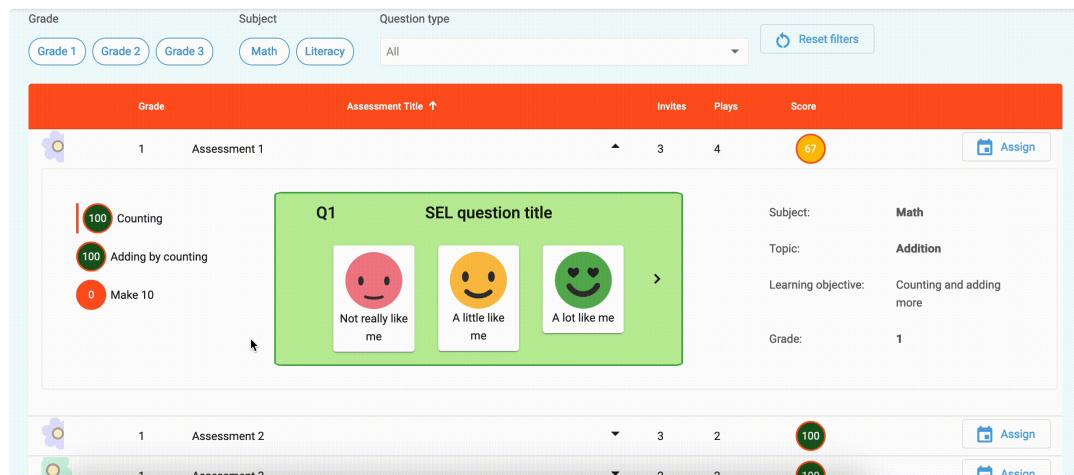
 The table columns can be sorted in ascending and descending order by clicking on any column title.

Assessment expanded row

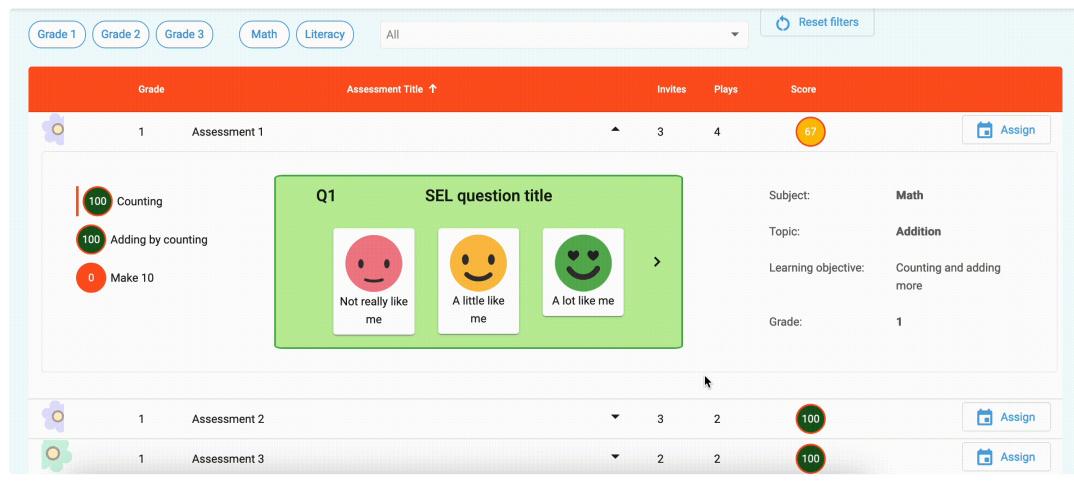
Within a row, clicking on the '▼' icon will show the assessment's sets of questions data:



Within the expanded details, it is then possible to navigate between the assessment's sets of questions:



It is also possible to navigate between the questions of a set by using the question preview's left and right arrows:



Assign an assessment

To assign an assessment, click on its 'Assign' button on the far right of its row:



'Assign' button

You can then follow the steps below to assign selected sets of questions:

- How to assign sets of questions

Assign a set of questions: Assessment 1

Students	Groups	Assessment set(s) of questions availability
<input type="checkbox"/> Etienne Dupont	<input type="checkbox"/> Group 1	<input type="checkbox"/> Start date – End date <input type="button" value="Calendar"/>
<input type="checkbox"/> Helen Smith	<input type="checkbox"/> Group 3	<input type="checkbox"/> Apply the same dates to all the sets of questions?
<input type="checkbox"/> Tommy Matthews		<input checked="" type="checkbox"/> Counting <input type="checkbox"/> Start date – End date <input type="button" value="Calendar"/>
<input type="checkbox"/> Benjamin Deloffre		<input checked="" type="checkbox"/> Adding by counting <input type="checkbox"/> Start date – End date <input type="button" value="Calendar"/>
		<input checked="" type="checkbox"/> Make 10 <input type="checkbox"/> Start date – End date <input type="button" value="Calendar"/>

You need to select student(s) or group(s) and set a start date and an end date for each selected set of questions.

- In the opened dialog you will see students and groups (**only groups with enrolled students are displayed**)
- Select one or more students or groups by clicking on their checkbox in the 'Students' or 'Groups' list
- Choose one assessment at a time by clicking on the assessment's radio checkbox in the 'Assessment' list
- Then define the the start date and end date of the student access to the sets of questions:

Assessment set(s) of questions availability

1/30/2023 – 2/10/2023

Apply the same dates to all the sets of questions?

Counting

1/30/2023 – 2/10/2023

Adding by counting

1/30/2023 – 2/10/2023

Make 10

1/30/2023 – 2/10/2023

- Finally, click on 'Assign' to assign the set(s) of questions for the defined students and dates:

Filters

You can filter the results displayed in the assessments table on the **Assessments** page using the chip and drop-down menus, and the search field:

Search... 

Grade    Subject   Question type All

Topic     Numbers 1-10 1-20 1-50 1-100 Learning objective All

 Reset filters

i The filters 'Topic' and 'Learning objective' may only appear if topics and learning objectives exist for the selected grade and subject.
The filter 'Numbers' may only appear for the first grade, and for the subject 'Math'.

At any point you can reset applied filters by clicking on the 'Reset filters' button:

 Reset filters

Single questions

▼ Location

 Dashboard

 Students

 Groups

 Library

Assessments

Single questions

 Assessment Builder

Search...							
Grade	Subject	Question type		Plays	Invites	Speed	Score
Grade 1	Grade 2	Grade 3	Math	Literacy	All		Reset filters
Question name	ID						
SEL question title	Counting and adding more	0	3		01-24-2023		
1	Subtract within 20	2	2		01-23-2023		
1	Find the difference	2	2		01-23-2023		
SEL 1	Counting and adding more	2	2		01-24-2023		
1	Doubling	3	1		01-23-2023		
1	Regrouping to make 10	0	2		01-23-2023		
1	Adding by counting on from the bigger no.	1	3		01-23-2023		

Single questions page

The **Single questions** page displays a table with all non-archived assessments and it also contains the features:

- **Questions table**
- **Question expanded row**
- **Filters**

Questions table

ID	Plays
Counting and adding more	0
Subtract within 20	2
Find the difference	2

	<p>Counting and adding more</p> <p>Doubling</p> <p>Regrouping to make 10</p>	<p>2</p> <p>3</p> <p>0</p>																
Questions table																		
<p>The questions table shows all the questions that belong to assessments' sets of questions, each column being, in order:</p> <ul style="list-style-type: none"> • 'Question name': question statement / title • 'ID': learning objective of the set of questions the question belongs to. • 'Plays': how many times the question has been played by a student • 'Invites': number of students invited to answer the question's question set • 'Speed': the average answer speed in seconds • 'Score': the average score for this question's answers • 'Created': creation date of the question 																		
<p>i The table columns can be sorted in ascending or descending order by clicking on their column title.</p>																		
Question expanded row	<p>You can view more details for a specific question by clicking on the '▼' icon in its row (or anywhere else on the row):</p> <div style="background-color: #f0f0f0; height: 400px; margin-top: 10px;"></div>																	
Filters	<p>You can filter the results displayed in the questions table by using the chip, dropdown menus, and the search field:</p> <div style="background-color: #f0f0f0; padding: 10px;"> <div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <input placeholder="Search..." type="text"/> </div> <div style="flex: 1; text-align: right;"> </div> </div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Grade</td> <td style="width: 33%;">Subject</td> <td style="width: 33%;">Question type</td> </tr> <tr> <td> Grade 1 Grade 2 Grade 3 </td> <td> Math Literacy </td> <td> All <div style="display: inline-block; width: 150px; border: 1px solid #ccc; padding: 2px 5px; border-radius: 4px; margin-left: 10px;"> ▾ </div> </td> </tr> <tr> <td>Topic</td> <td>Numbers</td> <td>Learning objective</td> </tr> <tr> <td> Addition Subtraction Multiplication Division </td> <td> 1-10 1-20 1-50 1-100 </td> <td> All <div style="display: inline-block; width: 150px; border: 1px solid #ccc; padding: 2px 5px; border-radius: 4px; margin-left: 10px;"> ▾ </div> </td> </tr> <tr> <td colspan="3" style="text-align: center;"> Reset filters </td> </tr> </table> <p>The filters are the same as the ones for the Assessments table detailed above.</p> </div> <td data-kind="ghost"></td>		Grade	Subject	Question type	Grade 1 Grade 2 Grade 3	Math Literacy	All <div style="display: inline-block; width: 150px; border: 1px solid #ccc; padding: 2px 5px; border-radius: 4px; margin-left: 10px;"> ▾ </div>	Topic	Numbers	Learning objective	Addition Subtraction Multiplication Division	1-10 1-20 1-50 1-100	All <div style="display: inline-block; width: 150px; border: 1px solid #ccc; padding: 2px 5px; border-radius: 4px; margin-left: 10px;"> ▾ </div>	Reset filters			
Grade	Subject	Question type																
Grade 1 Grade 2 Grade 3	Math Literacy	All <div style="display: inline-block; width: 150px; border: 1px solid #ccc; padding: 2px 5px; border-radius: 4px; margin-left: 10px;"> ▾ </div>																
Topic	Numbers	Learning objective																
Addition Subtraction Multiplication Division	1-10 1-20 1-50 1-100	All <div style="display: inline-block; width: 150px; border: 1px solid #ccc; padding: 2px 5px; border-radius: 4px; margin-left: 10px;"> ▾ </div>																
Reset filters																		

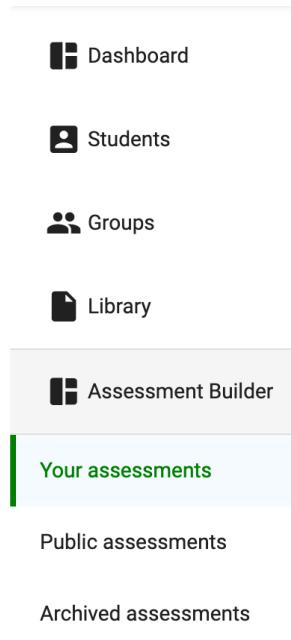
Assessment builder

- Location
- Quick start / Basic usage
- Feature description
 - Assessment pages
 - Sets of questions

Location

Where to find the feature

▼ Admin platform



All assessment builder pages can be found in the side menu left of the page, in the dropdown menu under 'Assessment Builder'.

Quick start / Basic usage

The assessment builder feature allows you to create, edit and delete assessments and their sets of questions.

It is comprised of several assessment pages:

- **Your assessments:** Where all the assessments you created that are not archived sit
- **Public assessments:** Assessments that you have access to which are available publically
- **Archived assessment:** Where all archived assessments sit

Feature description

Assessment pages

The screenshot shows the 'Your assessments' section of the assessment builder. At the top, there's a decorative header with a sun, clouds, and a bee, followed by a message: 'Hi, I am there to help'. The sidebar on the left includes links for Dashboard, Students, Groups, Library, Assessment Builder (which is selected), Your assessments (highlighted in green), Public assessments, and Archived assessments. The main area displays two assessments:

Assessment	Grade	Subject	Topic	Language	Country	SEL Question
1	1	Math	Addition	ENG	USA	true

Below the first assessment, there's a button labeled 'Add a set of questions' with a plus sign. The second assessment is detailed as follows:

Assessment	Grade	Subject	Topic	Language	Country	SEL Question
2	1	Math	Subtraction	ENG	USA	true

Under each assessment, there are four cards representing different question sets:

- Counting: Learning to count (6 Questions)
- Adding by counting: Start learning to add by counting (5 Questions)
- Make 10: Group numbers together to make 10 (3 Questions)
- Finding the difference: Subtract within 20 (1 Question)

Each card has a trash icon at the bottom right. At the top right of the main area, there are buttons for 'Reorder sets of questions', 'Edit', 'Archive', 'Delete', and 'Download'.

The assessment pages of the assessment builder displays a list of all assessments belonging to the category your assessments, public assessments or archived assessments, with their respective sets of questions.

In each assessment, click on a set of questions to access its **Set of questions details** page, where you will be able to add questions.

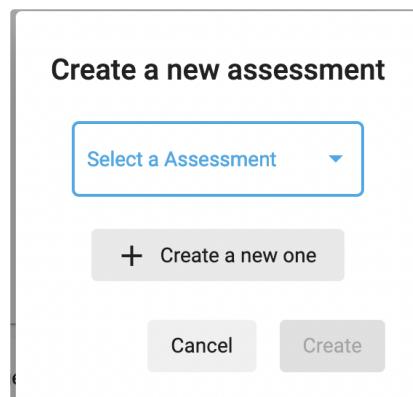
Add assessments

To create a new assessment, click on the 'Add assessments' button on the top right corner.



'Add assessments' button

This will open the following dialog:



- Clicking on 'Select an Assessment' will allow you to use another assessment as the basis of the new one you will create, thus copying its information into an assessment creation dialog - information which can be edited before you create the new assessment.
- Clicking on 'Create a new one' will open an assessment creation dialog, empty of information.

The subsequently opened assessment creation dialog looks like this:

Create a new assessment

Title	Grade
Subject	Language
Country	
Icon <input type="button" value="Choose file"/> No file chosen	
<input type="checkbox"/> Private <input checked="" type="checkbox"/> Downloadable <input type="checkbox"/> Archived	
<input type="button" value="Cancel"/> <input type="button" value="Create"/>	

You can then fill in the necessary fields:

- **Title:** the assessment title
 - **Grade:** the school grade for which the assessment is intended. Possible options include grade 1 to 3.
 - **Subject:** the subject to which belongs the assessment. Possible choices are PRESEL, POSTSEL, MATH and LITERACY
 - **Language:** the language the assessment will be in. Possible choices are Arabic, English and French
 - **Country:** the country where students who take the assessment reside
 - **Image attachment → Choose File:** choose the icon you want to display for the assessment
 - **Private checkbox:** when unselected the assessment will be public, and private otherwise
 - **Downloadable checkbox:** if checked, you will be able to download the assessment and its contents as PDF
 - **Archived:** if checked, the assessment will appear on the **Archived assessments** page after creation
- ☞** If you select MATH as a subject, you will need to fill one additional **Topic** field. Possible choices are Addition, Subtraction, Multiplication and Division:

Create a new assessment

Title *	Grade *
Subject *	Topic *
MATH	
Language *	Country *
Icon	<input type="checkbox"/> Private <input checked="" type="checkbox"/> Downloadable <input type="checkbox"/> Archived <input checked="" type="checkbox"/> Contains SEL questions
Choose file No file chosen	
Cancel Create	

⚠ The language and country need to match the language and country of the students the assessment will be assigned to.

Once all the fields are filled in, click on the 'Create' button to create the assessment.

Reorder sets of questions

To reorder sets of questions within an assessment, you need to click on the button 'Reorder Sets of questions' of an assessment.

Assessment	Grade	Subject	Topic	Language	Country	SEL Question	Actions
1	1	Math	Addition	ENG	USA	true	Reorder sets of questions Edit Archive Delete Download
Add a set of questions	+	Counting	Learning to count	(6 Questions)			
		Adding by counting	Start learning to add by counting	(5 Questions)			
		Make 10	Group numbers together to make 10	(3 Questions)			

'Reorder sets of questions' button location

Then drag the desired sets of questions and drop them where you want them to sit in the set of questions order.

Afterwards, validate the reordering by clicking on the 'Save order' button.

Assessment	Grade	Subject	Topic	Language	Country	SEL Question	Actions
1	1	Math	Addition	ENG	USA	true	Save order Cancel
Add a set of questions	+	Counting	1	Make 10	2	Adding by counting	3
		Learning to count		Group numbers together to make 10		Start learning to add by counting	

'Save order' button location

Edit an assessment

To edit an assessment, click on its 'Edit' button.

The screenshot shows a list of assessments. The first assessment is titled 'Assessment 1', Grade 1, Math, Addition, ENG, USA, SEL Question true. The 'Edit' button is highlighted with a red arrow.

Assessment	Grade	Subject	Topic	Language	Country	SEL Question
1	1	Math	Addition	ENG	USA	true

Assessment 'Edit' button location

This will open an 'Edit assessment' dialog.

Edit assessment

Title *	Grade
Assessment 1	1
Subject	Topic
MATH	Addition
Language *	Country *
English	United States

Icon

Choose file
No file chosen

Private
 Downloadable
 Archived
 Contains SEL questions

Cancel **Save**

i If the assessment already contains sets of questions, its fields 'Grade', 'Subject' and 'Topic' will be disabled.

Operate your changes and click on the 'Save' button.

Archive assessment

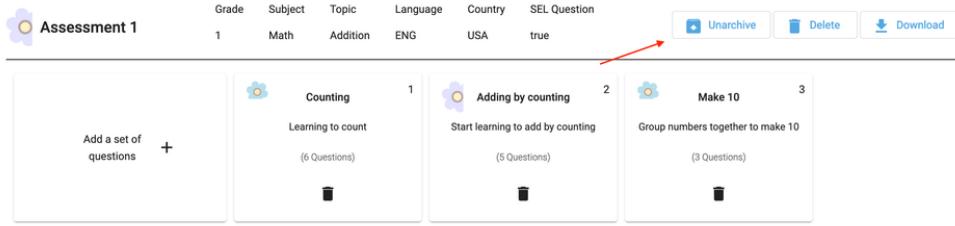
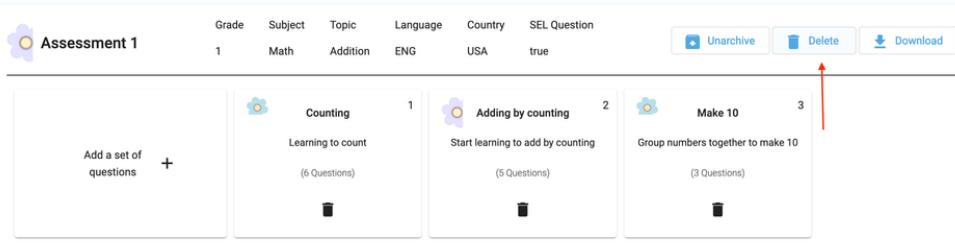
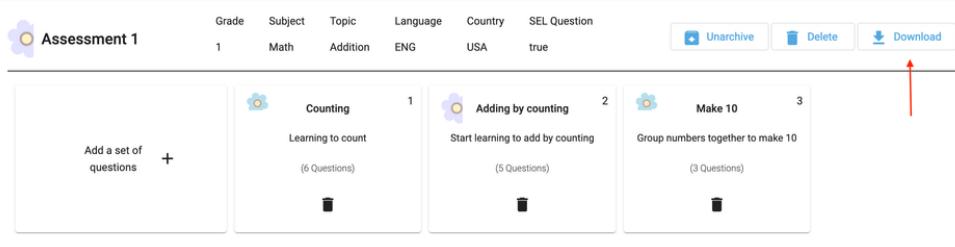
To archive an assessment and send it to the **Archived assessments** page, click on its 'Archive' button.

The screenshot shows a list of assessments. The fourth assessment is titled 'Make 10', Grade 1, Math, Addition, ENG, USA, SEL Question false. The 'Archive' button is highlighted with a red arrow.

Assessment	Grade	Subject	Topic	Language	Country	SEL Question
1	1	Math	Addition	ENG	USA	true

'Archive' button location

On the **Archived assessments** page, you can always undo the archive by clicking on the assessment's 'Unarchive' button.

	 <p>'Unarchive' button location</p>
Delete assessment	<p>To delete an assessment, click on its 'Delete' button.</p>  <p>Assessment 'Delete' button location</p> <p>It will prompt you with a dialog asking if you really want to delete the assessment.</p> <div style="border: 1px solid #ccc; padding: 10px; width: fit-content; margin: auto;"> <h3>Delete assessment</h3> <p>Do you really want to delete the assessment Assessment 1 ?</p> <div style="text-align: right; margin-top: 10px;"> Cancel Confirm </div> </div> <p>To delete the assessment permanently, click on the 'Confirm' button.</p>
Assessment Download as PDF	<p>To download an assessment as a PDF, click on its 'Download' button.</p>  <p>Assessment 'Download' button location</p>
Sets of questions	<p>Through each assessment of the assessment builder pages, it is possible to:</p> <ul style="list-style-type: none"> • Create • Delete • Access its details <p>Each set of questions, as well as access their Set of questions details page.</p>
Add a set of questions	<p>To add a set of questions to an assessment, click on the 'Add a set of questions' button.</p>

Assessment 1

Grade	Subject	Topic	Language	Country	SEL Question
1	Math	Addition	ENG	USA	true

[Unarchive](#) [Delete](#) [Download](#)

Counting 1
Learning to count
(6 Questions)

Adding by counting 2
Start learning to add by counting
(5 Questions)

Make 10 3
Group numbers together to make 10
(3 Questions)

Add a set of questions +

'Add a set of questions' button location

This will open a dialog to create a new set of questions within the assessment:

Create a set of questions

Title *	Description *
Learning objective * ▾	Order * 4 ▾
Icon <input checked="" type="checkbox"/> Evaluated <input type="button" value="Choose file"/> No file chosen	
Cancel Create	

You can then fill in the necessary fields:

- Title:** the set of questions title
- Description:** the set of questions description
- Learning objective:** the learning objective of the set of questions (only available for math assessments, and depends on what the assessment topic is).
- Order:** the order in which the set of questions appears in the assessment
- Icon → Choose File:** choose the icon you want to display for the set of questions
- Evaluated checkbox:** if checked, the set of questions will be considered as evaluated

Once all the fields are filled in, click on the 'Create' button to create the set of questions.

Delete set of questions	To delete a set of questions, click on its bin icon at the bottom of the question set's card: <p>Assessment 1</p> <table border="1"> <thead> <tr> <th>Grade</th> <th>Subject</th> <th>Topic</th> <th>Language</th> <th>Country</th> <th>SEL Question</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Math</td> <td>Addition</td> <td>ENG</td> <td>USA</td> <td>true</td> </tr> </tbody> </table> <p>Unarchive Delete Download</p> <p>Counting 1 Learning to count (6 Questions)</p> <p>Adding by counting 2 Start learning to add by counting (5 Questions)</p> <p>Make 10 3 Group numbers together to make 10 (3 Questions)</p> <p>Add a set of questions +</p>	Grade	Subject	Topic	Language	Country	SEL Question	1	Math	Addition	ENG	USA	true
Grade	Subject	Topic	Language	Country	SEL Question								
1	Math	Addition	ENG	USA	true								

Set of questions' delete button location

After that, you will be prompted with the following dialog:

Delete set of questions

Do you really want to delete the set of questions **Adding by counting** ?

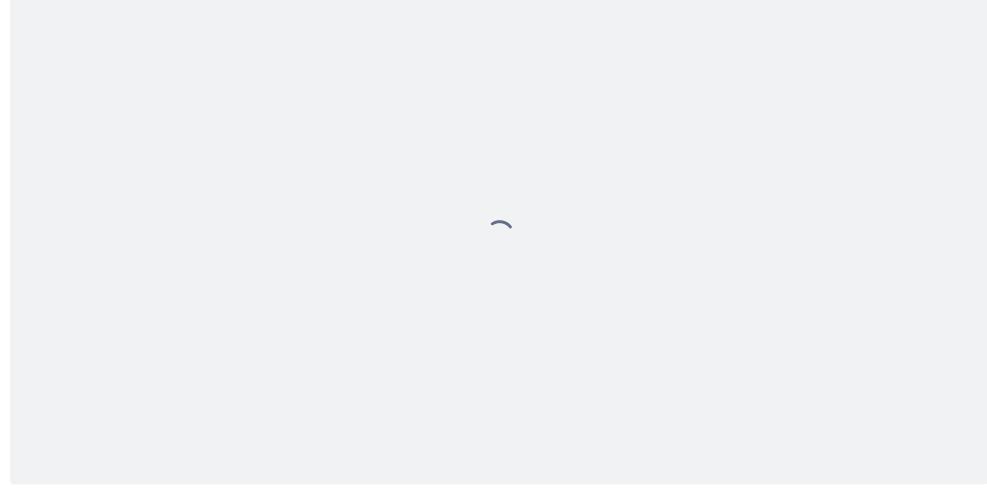
[Cancel](#)

[Confirm](#)

Click on 'Confirm' to delete the set of questions permanently.

Access set of questions details

To access the details page for a specific set of questions, click on the relevant set of questions card:



Set of questions details

- [Location](#)
- [Quick start / Basic usage](#)
- [Feature description](#)

Location

Where to find the feature

▼ Admin platform

You can access the **Set of questions details** page for a specific set of questions by clicking on its card on one of the **Assessment Builder** pages:

Hi,
I am there to [help](#)

nbernes

Dashboard

Students

Groups

Library

Assessment Builder

Archived assessments

Add assessments

Assessment 1

Grade	Subject	Topic	Language	Country	SEL Question
1	Math	Addition	ENG	USA	true

Unarchive Delete Download

Add a set of questions +

Counting 1
Learning to count (6 Questions)

Adding by counting 2
Start learning to add by counting (5 Questions)

Make 10 3
Group numbers together to make 10 (3 Questions)

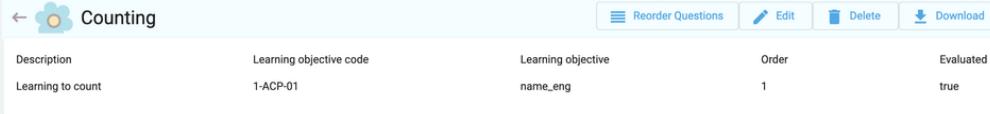
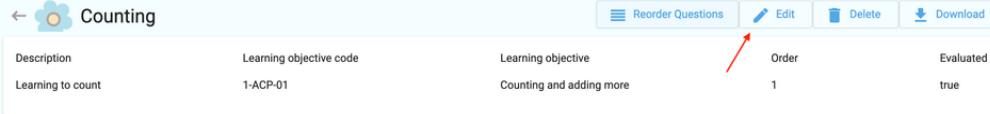
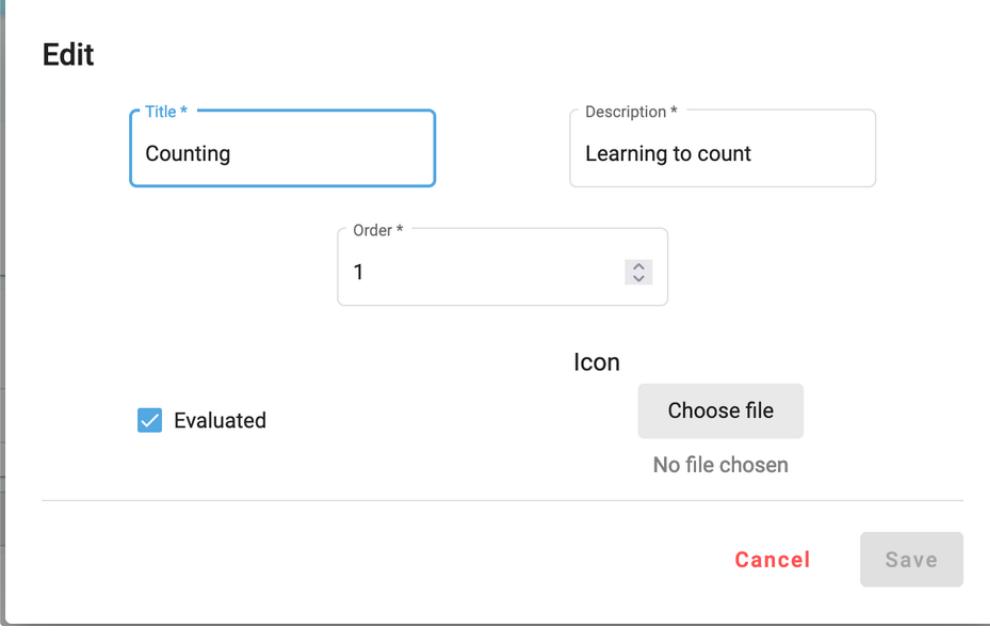
Set of questions details

Quick start / Basic usage

The set of questions details feature allows you to download, edit and delete assessment sets of questions. Its main function however is to provide all the features necessary to manage sets of questions' questions, including:

- [Creation](#)
- [Editing](#)
- [Download](#)
- [Cloning](#)
- [Deletion](#)

Feature description

Set of questions details	 <p>Set of questions info section</p> <p>The Set of questions details page displays set of questions information, and a list of questions.</p> <p>It provides the following features to manage the set of questions:</p> <ul style="list-style-type: none"> • Edit • Delete • Download • Reorder questions
Edit set of questions	<p>To edit the set of questions, click on the 'Edit' button:</p>  <p>'Edit' button location</p> <p>This will open a dialog to edit the set of questions in question:</p>
	 <p>Set of question's edit dialog</p> <p>After making the necessary changes, you can click on the 'Save' button to apply them.</p>
Delete set of questions	<p>To delete the set of questions, click on its 'Delete' button:</p>  <p>'Delete' button location</p> <p>It will prompt you with a dialog asking if you really want to delete the set of questions.</p>

Delete set of questions

Do you really want to delete the set of questions **Counting**?

Cancel

Confirm

Click on the 'Confirm' button to confirm the deletion.

Download set of questions as PDF

To download a set of questions as a PDF document, click on the 'Download' button:

The screenshot shows a table with columns for Description, Learning objective code, Learning objective, Order, and Evaluated. The 'Evaluated' column has a value of 'true'. A red arrow points to the 'Download' button at the top right of the table.

Description	Learning objective code	Learning objective	Order	Evaluated
Learning to count	1-ACP-01	Counting and adding more	1	true

Set of questions 'Download' button

Reorder Questions

To reorder questions within the set of questions, first click on the button 'Reorder Questions':

The screenshot shows a table with columns for Description, Learning objective code, Learning objective, Order, and Evaluated. The 'Evaluated' column has a value of 'true'. A red arrow points to the 'Reorder Questions' button at the top right of the table.

Description	Learning objective code	Learning objective	Order	Evaluated
Learning to count	1-ACP-01	Counting and adding more	1	true

'Reorder questions' button location

Then drag the desired questions using their drag handle and drop them where you want them to sit in the question order:

The screenshot shows a question card with a title 'Q1', a statement 'First question statement', and a 'Correct answer: First question answer'. A red arrow points to the drag handle icon on the right side of the card.

Drag handle location

Afterwards, validate the reordering by clicking on the 'Save order' button:

The screenshot shows a table with columns for Description, Order, Evaluated, Allow skip, Max wrong answers, Praise, and Show feedback. The 'Evaluated' column has a value of 'true'. A red arrow points to the 'Save order' button at the top right of the table.

Description	Order	Evaluated	Allow skip	Max wrong answers	Praise	Show feedback
First topic description	1	true	false	0	0	0

'Save order' button location

Questions

Add a question

SEL (Social and Emotional Learning) Select Input Number Line Drag and Drop Domino Calcul

Edit Delete Clone Download

Q1

What is the missing number?

1 2 3

Correct answer: 2

Edit Delete Clone Download

Q2

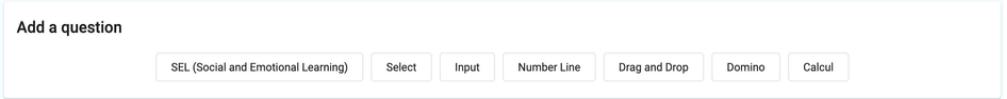
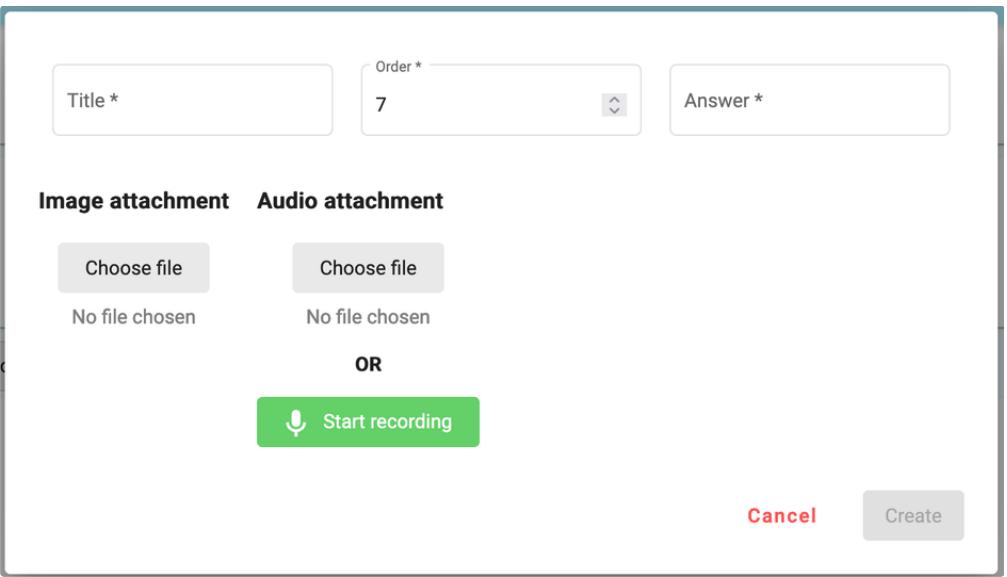
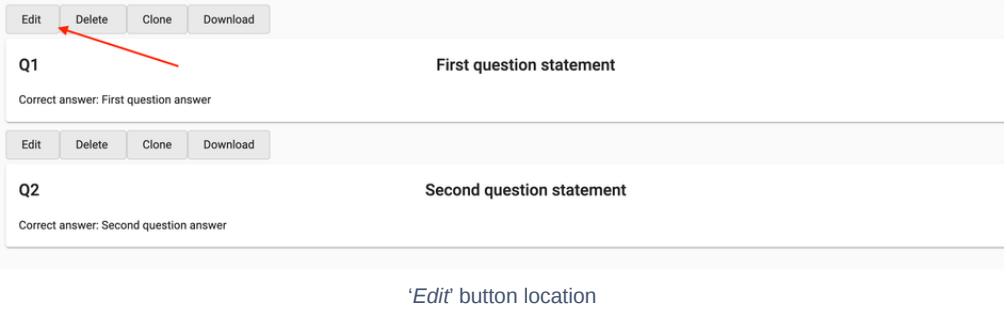
What is the missing number?

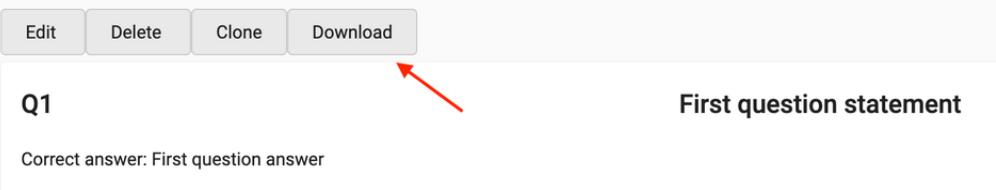
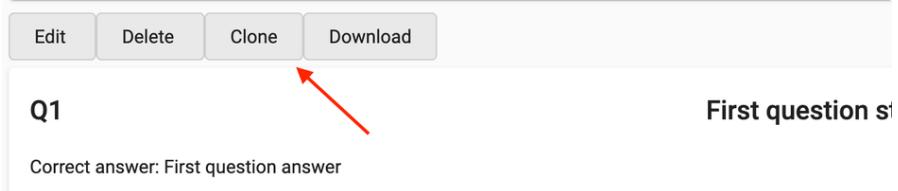
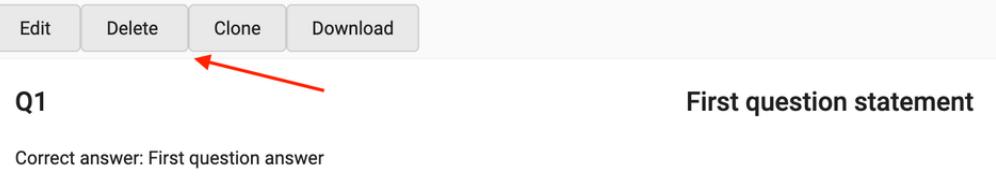
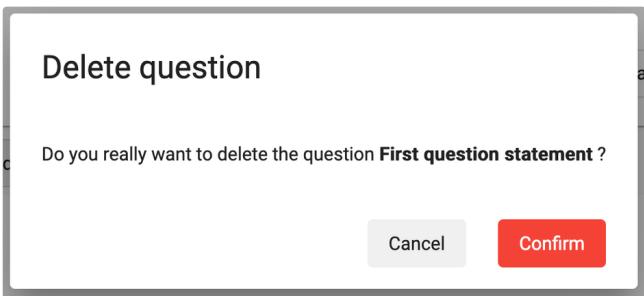
1 2 3 4 5 6 7 8 9 10

Correct answer: 4

'Questions' section of the set of questions details page

On the questions section of the **Set of questions details** page, it is possible to:

	<ul style="list-style-type: none"> • Create • Edit • Download • Clone • Delete <p>questions.</p>
Create a question	<p>To create a new question, click on one of the following buttons:</p> <ul style="list-style-type: none"> • <i>SEL (Social and Emotional Learning)</i> • <i>Select</i> • <i>Input</i> • <i>Number Line</i> • <i>Drag and Drop</i> • <i>Domino</i> • <i>Calcul</i>  <p>This will open a dialog corresponding to the type of question you want to create.</p>  <p>Example of the input question dialog</p> <p>Once the required fields are filled in, click on 'Create'.</p> <p>The new question will appear on the questions list of the set of questions details page.</p>
Edit a question	<p>To edit a question, click on its '<i>Edit</i>' button on the questions list of the set of questions details page:</p>  <p>'Edit' button location</p>

	<p>This will open a dialog similar to the creation dialog for this type of question.</p> <p>You can then edit the dialog fields and click on 'Save' to apply the changes.</p>
Download question as PDF	<p>To download a question as a PDF document, click on its 'Download' button:</p>  <p>Question 'Download' button location</p>
Clone a question	<p>To clone (duplicate) a question, click on its 'Clone' button:</p>  <p>Question 'Clone' button location</p> <p>This will open a dialog similar to the question's creation dialog, with all the fields from the question you want to clone already filled in.</p> <p>Edit some fields if you wish to make changes to the new question, then click on 'Clone'</p>
Delete a question	<p>To delete a specific question click on its 'Delete' button:</p>  <p>Question 'Delete' button location</p> <p>It will prompt you with a dialog asking if you really want to delete the question.</p>  <p>Delete question dialog</p> <p>To delete the question permanently, click on the 'Confirm' button</p>

Question types

- [Location](#)
- [Quick start / Basic usage](#)
- [Feature description](#)

Location

Where to find the feature

- ▼ Admin platform

The feature is located in the **Set of questions details** page, which you can access by clicking a specific set of questions on the **Assessment Builder** page.

Quick start / Basic usage

This feature is accessible on the [Set of questions details](#) page, and provides a way to create different types of questions.

Feature description

Question types

It is currently possible to create four types of questions:

- SEL (Social and Emotional Learning)
- Select
- Input
- Number Line
- Drag and Drop
- Domino
- Calcul

To add a new question to a set of questions, click on one of the 'Add a question' buttons at the top of the **Sets of questions details** page:

Add a question

[SEL \(Social and Emotional Learning\)](#) [Select](#) [Input](#) [Number Line](#) [Drag and Drop](#) [Domino](#) [Calcul](#)

'Add a question' buttons

In the opened dialog for each type of question, you will be able to specify:

- **Title:** The question's statement
- **Order:** The order in which the question is supposed to appear when answering the set of questions
- **Attachments:** image or audio attachments that will be displayed along with the question title.
Instead of adding an audio attachment you can also record your voice directly

Title * Order * Answer *

7

Image attachment Audio attachment

Choose file Choose file

No file chosen No file chosen

OR

Start recording

Create

Example of the input questions dialog

You will then be able to click on the 'Create' button to add the question to the set of questions.

SEL (Social and Emotional Learning)

SEL questions can only be created for the first set of questions of an assessment, if the assessment was set to contain SEL questions (it is possible to set it in the assessment creation dialog).

Learning to count 1-ACP-01 Counting and adding more 1 true

Add a question SEL (Social and Emotional Learning) Select Input Number Line Drag and Drop Domino Calcul

Q2 What is the missing number?

Correct answer: 2 1 2 3

Q3 What is the missing number?

Correct answer: 4 1 2 3 4 5 6 7 8 9 10

Creating a SEL question

Select

Single choice questions, with or without attachments.

Description Learning objective code Learning objective Order Evaluated

Learning to count 1-ACP-01 Counting and adding more 1 true

Add a question SEL (Social and Emotional Learning) Select Input Number Line Drag and Drop Domino Calcul

Q1 SEL question title

Not really like me A little like me A lot like me

Q2 What is the missing number?

In the bottom part of the dialog you can specify one or more options (possible answers) for the question, for which you can add attachments, among other things:

1 Add options

Add options and select the correct answer

⑦ First option

4 5

② Add option Show options title Shuffle answers ⑦

1 2 3

Q9 First option

Cancel Continue

Lower part of the Select question dialog

1: 'Add option' button: Click on this button to add options with which the student can answer

2: 'Show option titles': Disable this option if you wish to only show the options attachments

3: 'Shuffle answers': Enable this option if you want the options to be randomly shuffled when appearing to students

4: Mic and image icons: Click on these icons to add attachments to an option

5: 'Correct answer': check this box for the one option that is the question's correct answer

i The number of options for a specific Select question is not limited.

Input

Questions that require a written answer.

Title *

Order * 9

Answer *

Image attachment Audio attachment

Choose file Choose file

No file chosen No file chosen

OR

Start recording

Cancel Create

Input question dialog

Number Line

Questions that require a numeric value for an answer. Students will drag and drop the answer into an list of numbers.

Number Line question dialog

- **Start number:** Minimum value of the list
- **End number:** Maximum value of the list
- **Expected value:** The expected answer, which will appear as an empty slot within the list
- **Step size:** Size of the steps separating each item in the list

For example: for start number = 1, end number = 10, step size = 3, and expected value = 4 the list will be composed of 1, 7, 10 with an empty slot in place of number 4.

Constraints:

- Start number must be strictly inferior to the end number
- The maximum value authorized for the end number is 10000
- Step size must be an integer (≥ 1) and the number of steps must not exceed 10

i The options the student will be able to choose from, other than the expected value, will be the values present in the number list

Normal Drag and Drop

Questions that require the student to drag and drop images to predefined areas.

To create a new Drag and Drop question click on 'Drag and Drop' in the 'Add a question' menu.

In the opened dialog click on 'Select background image and drop areas':

This will open a second dialog:



Click on 'Choose file' to select the image that will be the surface on which students will drop their answers.

Once the image has been selected, name and define the areas in which the students will drop their answers:

- If you didn't select the slot properly, you can always delete it by clicking on the 'Θ' icon at the left of the area name in the **Areas** section

After saving the drop areas, you will be redirected to the first dialog:

Drag & Drop

Title *

Order *

Type *

1 Select type of question

2 Add Extra Media Optional

Areas:

to
 too

Image attachment

No file chosen

You can then link an image to each area by selecting it in the **Areas** section, then clicking on the 'Choose file' or 'Change file' button to select the image attachment:

1 Select type of question

2 Add Extra Media Optional

Areas:

to
~~(-)~~ d&d_to.png
 too
~~(-)~~ d&d_too.png

Image attachment

d&d_too.png

 You can delete an image linked to an area by clicking on their 'Θ' icon.

You can also leave some areas without an image, but an image has to be assigned to at least one area.

 If you wish to use text for area images, keep in mind that the SVG format will render at a much better quality for a lower file size than PNGs or JPGs.

Once all the drop areas are set, click on 'Validate items' to register them.

Only after that will you be able to click on the 'Create' button in the 'Add Extra Media' pane to add the Drag and Drop question to the set of questions.

Customized Drag and Drop

Customized drag and drop questions combine counting and calculus.

To create a customized drag and drop question, open the drag and drop dialog, click on 'Type' and select 'Customized':

Drag & Drop

Title * Question with instructions for

Order * 9

Type * Customized

You will then need to fill-in the following fields:

 Optional

Select item type

Item type * Fruit

Operator * Addition (+)

Items on the left

Items on the left * 3

Fruit * Watermelon



Items on the right

Items on the right * 2

Fruit * Orange





Cancel **Continue**

- **Item type:** what the item for the student to count should look like (choices are: Pencil, Fruit, Ballon, Button, Socks, Paint)
- **Operator:** Similarly to the **Calcul** question explained below, it is the operator you want to use in the operation
- **Items on the left / right:** left or right operand

The students will need to answer this type of question by drag and dropping the right values for the left operand, the right operand, and the result of the operation.

Domino

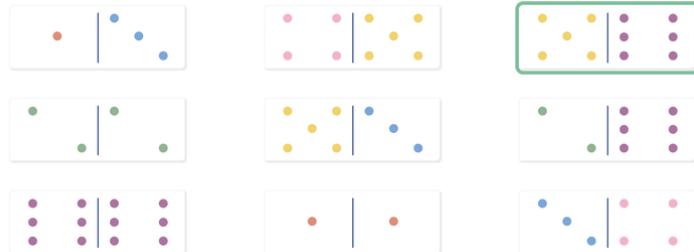
Questions where students need to find which domino matches a defined value.

Title	Expected value *	Attachments	
Order *	8	Image attachment	Audio attachment
		<input type="button" value="Choose file"/>	<input type="button" value="Choose file"/>
		No file chosen	No file chosen
OR			
<input type="button" value="Start recording"/>			
Options			
<input type="button" value="Left Side Value *"/>	<input type="button" value="Right Side Value *"/>	<input type="button" value="Left Side Value *"/>	<input type="button" value="Right Side Value *"/>
<input type="checkbox"/> Correct answer?		<input type="checkbox"/> Correct answer?	
<input type="button" value="Left Side Value *"/>	<input type="button" value="Right Side Value *"/>	<input type="button" value="Left Side Value *"/>	<input type="button" value="Right Side Value *"/>
<input type="checkbox"/> Correct answer?		<input type="checkbox"/> Correct answer?	
<input type="button" value="Left Side Value *"/>	<input type="button" value="Right Side Value *"/>	<input type="button" value="Left Side Value *"/>	<input type="button" value="Right Side Value *"/>
<input type="checkbox"/> Correct answer?		<input type="checkbox"/> Correct answer?	

Domino question dialog

- **Expected value:** Value the students need to find
- **Options:** Each option is a domino, with the left and right side values defining the number of dots on each side of it. The correct answer then needs to be the domino that matches → number of left dots + number of right dots = expected value

11



Preview of a domino question example

Calcul

Questions that require student to calculate the output of an operation.

Title *	Order *	Operator *	Image attachment	Audio attachment
8	<input type="button" value=""/>	<input type="button" value=""/>	<input type="button" value="Choose file"/>	<input type="button" value="Choose file"/>
		No file chosen	No file chosen	
First number *	Second number *	OR		
<input type="button" value="Start recording"/>				
<input type="button" value="Cancel"/> <input type="button" value="Create"/>				

Calcul question dialog

- **Operator:** operator that will be used in the statement (+, -, ×, ÷)
- **First number:** number that will be placed before the operator
- **Second number:** number that will be placed after the operator

⚠ Take care to respect the defined assessment topic (Addition, Subtraction, Multiplication, Division)

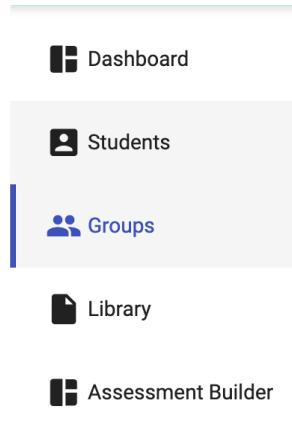
Groups

- [Location](#)
- [Quick start / Basic usage](#)
- [Feature description](#)

Location

Where to find the feature

- ▼ Admin platform



Quick start / Basic usage

The [Groups Overview](#) page provides the group list, group details and features involving them:

- Create
- Edit
- Delete
- Assign a set of questions

It is possible to assign a group to a student via the student pages' Edit feature.

Once the students belonging to groups have started answering sets of questions, it is possible to filter results on the [Dashboard](#) page by groups.

Feature description

Groups Overview

Group	Number of students	Assessments	Average	Amount of tasks	Speed	Honey
Group 1	2	67 100 67 100 67	80	23	3.51s	0 🍀
Group 2	0	0 0 0 0 0	0	0	0 🍀	0 🍀
Group 3	1	100 0 0 0 100	100	9	3.28s	0 🍀

Items per page: 10 | < < 1 - 3 of 3 > >|

The **Groups Overview** page displays a table with all of the supervisor's groups.

It also contains the features:

- **Search field**
- **Add group**
- **Assign assessment**
- **Edit group**
- **Delete group**

Clicking on a row in the group table will bring you to its **Group details** page.

Search field	You can search specific groups by using the search field at the top of the page
	<div style="border: 1px solid #ccc; padding: 5px; width: 100%;"> <input style="width: 100%; height: 20px; margin-bottom: 5px;" type="text" value="Search... You can search on any column!"/> 🔍 </div> <p style="text-align: center;">Search field</p>

Add group	You can create a new group in the Groups Overview page by clicking on the 'Add group' button in the top right corner.
	<div style="text-align: center; margin-top: 10px;"> 👤 + Add group </div> <p style="text-align: center;">'Add group' button</p> <p>Clicking on it will open a dialog to create a new group, in which you can specify the group name through the 'Group name' field (required).</p>

Create a new group

Group name

Supervisor

Group creation dialog

- E** You can also create a new group through the Student creation / edition dialog on the **Students Overview page**, by clicking on the 'Add group' button

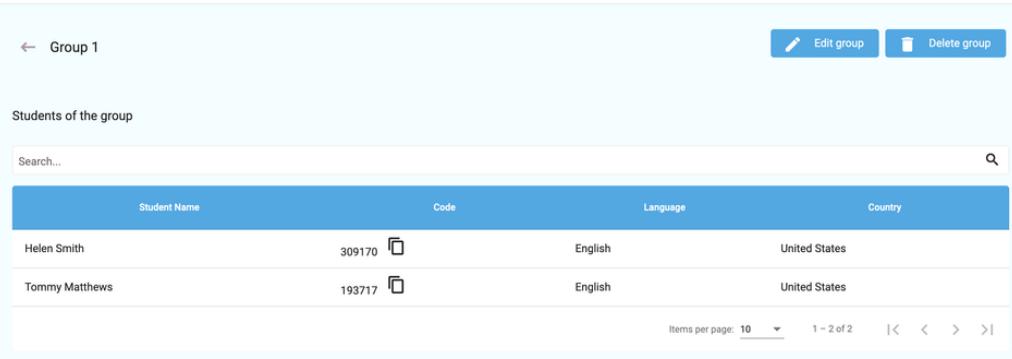
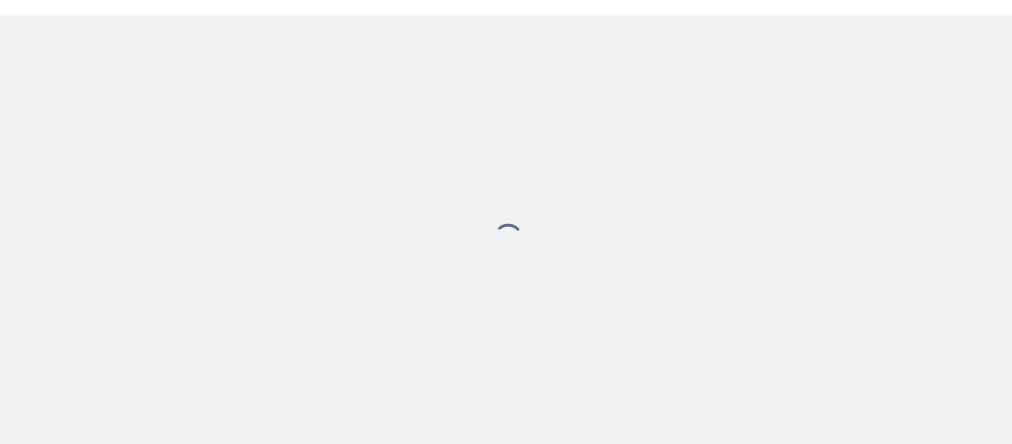
The screenshot shows a 'Edit student' dialog box overlaid on a 'Students Overview' page. The dialog has fields for First name (Benjamin), Last name (Deloffre), Country (France), Language (French), Grade (1), and Group (Group 3). A red arrow points to a '+ Add group' button at the bottom right of the dialog.

'Add group' button of the student creation / edition dialog

Edit group

You can edit a group on the **Groups Overview** page by clicking on the three dots icon on the far right of its row, then by selecting 'Edit'. You can then apply your modifications in the opened dialog:

The screenshot shows a 'Groups Overview' table with columns: Group, Number of students, Assessments, Average, Amount of tasks, Speed, Honey, and Actions. The 'Second group' row has a checked checkbox and a three-dot menu icon. The 'Actions' column for this row contains an 'Edit' button, which is highlighted with a red arrow.

Delete group(s)	You can delete one or several groups on the Groups Overview page by clicking on the three dots icon on the far right of its row, then by selecting ' <i>Delete</i> ' :
Group details	<p></p> <p>Group details page</p> <p>This page is accessed by clicking one of the rows of the Student Overview's group table:</p> <p></p> <p>From this page you can do several actions:</p> <ul style="list-style-type: none"> • Edit the group by clicking on the '<i>Edit group</i>' button at the top right corner • Delete the group by clicking on the '<i>Delete group</i>' button at the top right corner • Search for specific students in the group by using the search field • Access one the student's Student details page by clicking on one of the rows of the student table
Assign a set of questions to a group	<p>1: On the Groups overview page, and click on '<i>Assign assessment</i>'</p> <p></p>

2: In the opened dialog, you can select one or more groups by clicking on the group's checkbox in the 'Groups' list. The sets of questions will be assigned to all students in that group.

Groups 

Group 1

Group 3

3: Choose one assessment at a time by clicking on the assessment's radio checkbox in the 'Assessment' list

Assessment

Assessment 1

Assessment 2

Assessment 3

Assessment 4

4: When selecting the assessment, the 'Assessment set of questions(s) availability' section will display the available assessment sets of questions and you can select one or more sets of questions by clicking on the set of questions's checkbox (**only selected sets of questions will be considered to apply the changes**)

Assessment

Assessment 1

Assessment 2

Assessment 3

Assessment 4

Assessment set(s) of questions availability

Start date – End date 

Apply the same dates to all the sets of questions?

Subtract within 20

Start date – End date 

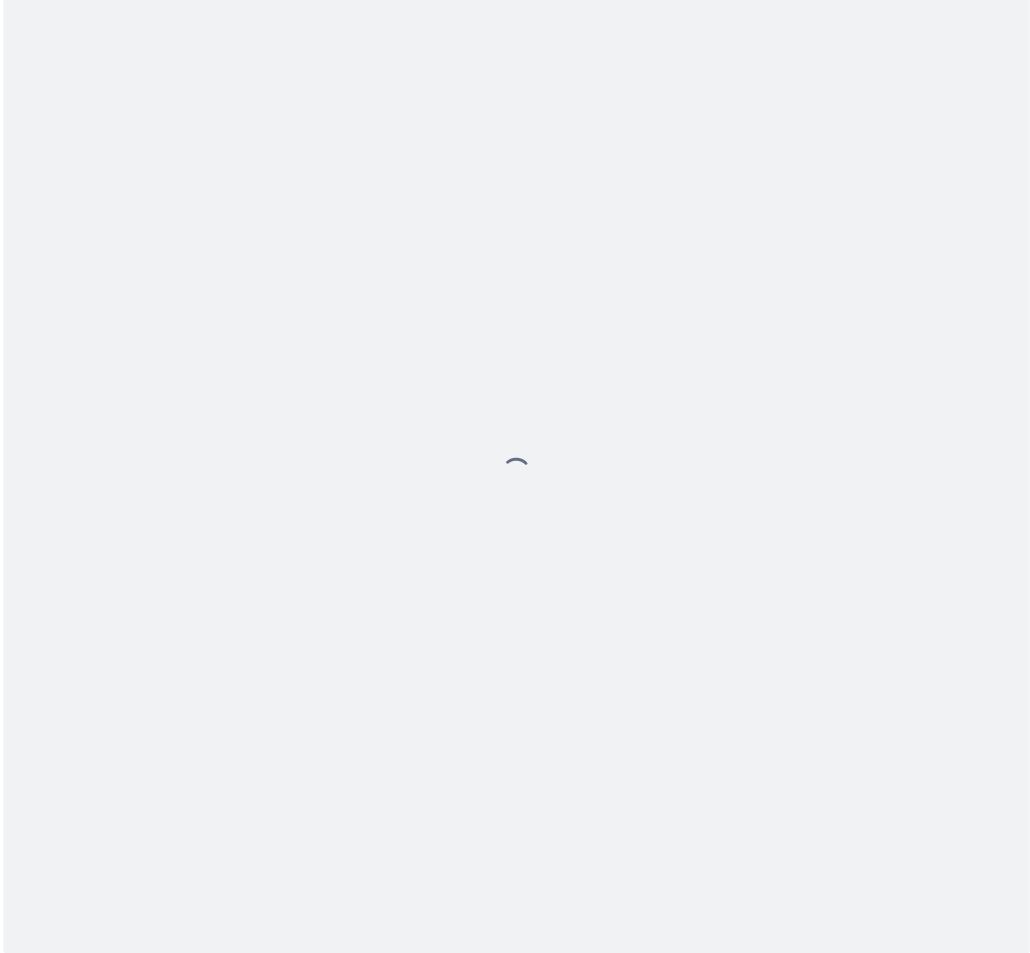
Finding the difference

Start date – End date 

5: Then set the start date and end date to have access to the set of questions(s), which can be done in two ways:

- Applying different dates for each set of questions

- Applying the same dates to all the sets of questions



6: Click on the 'Assign' button in the bottom right corner to save

Assign

Students platform

 This is the root page for the Students platform user documentation. It is divided into two different parts: Quickstart and Features list.

[Quick start](#)

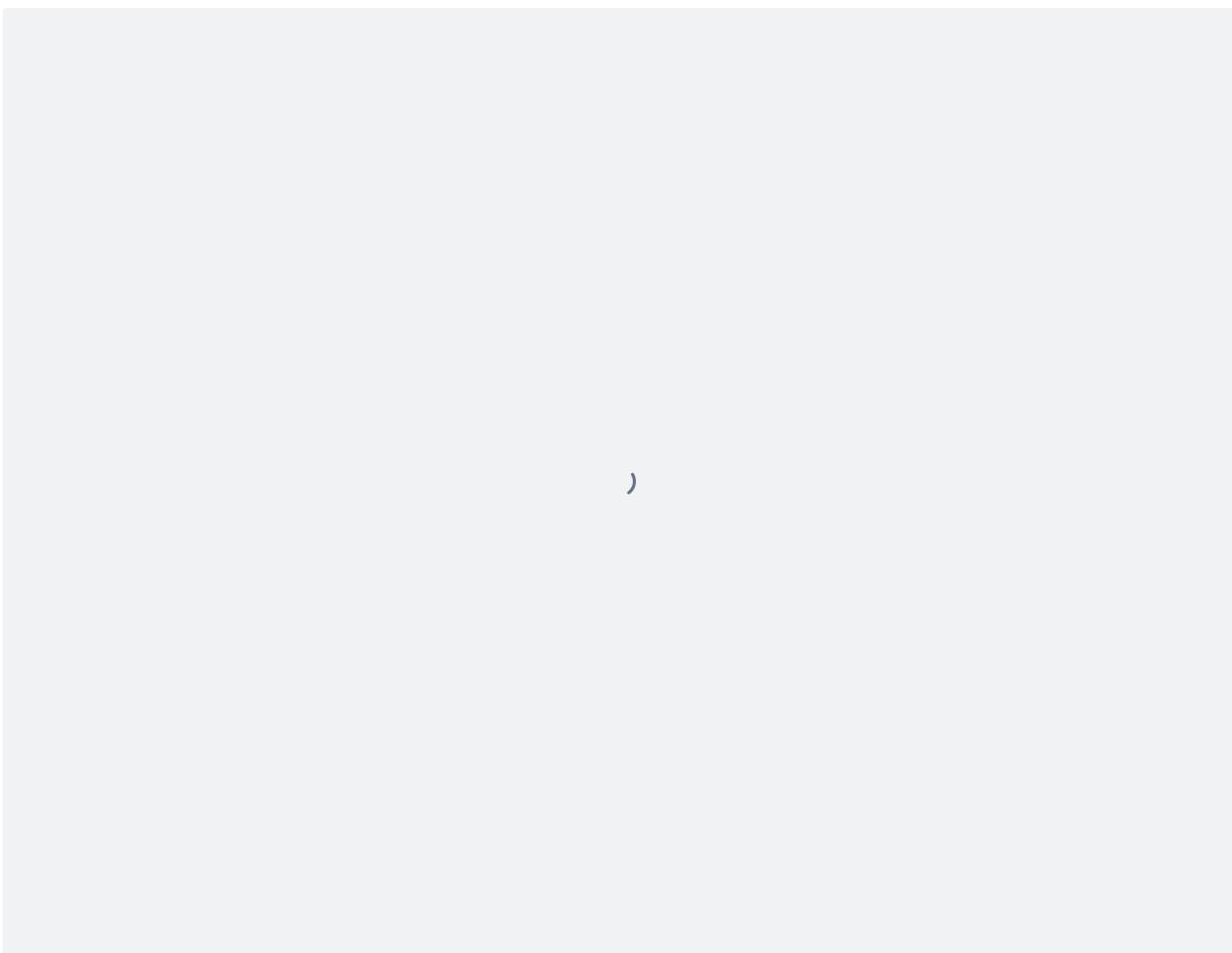
[Features list](#)

Quick start - Student

- [Log in](#)
- [Assessments](#)
- [Assessment topics](#)

Log in

- ▼ Log in using the student code



Login page: use the student code to enter

Assessments

- ▼ Assessments that the student has access to

After logging in, the Assessments that the student has access to are listed on the home page:



Fulano

131

14



Hi, Fulano !



assessment #1

2 / 3



assessment #2

2 / 3



assessment #3

1 / 1



assessment #4

2 / 2



assessment #6

0 / 17

Assessments on the home page

Assessment topics

- Answering to a topic

When clicking on an Assessment listed on the home page, the student is directed to the Assessment Topics that they have access to:

)

To answer a topic, the student chooses a topic listed and then answers the questions:

)

Features list - Student

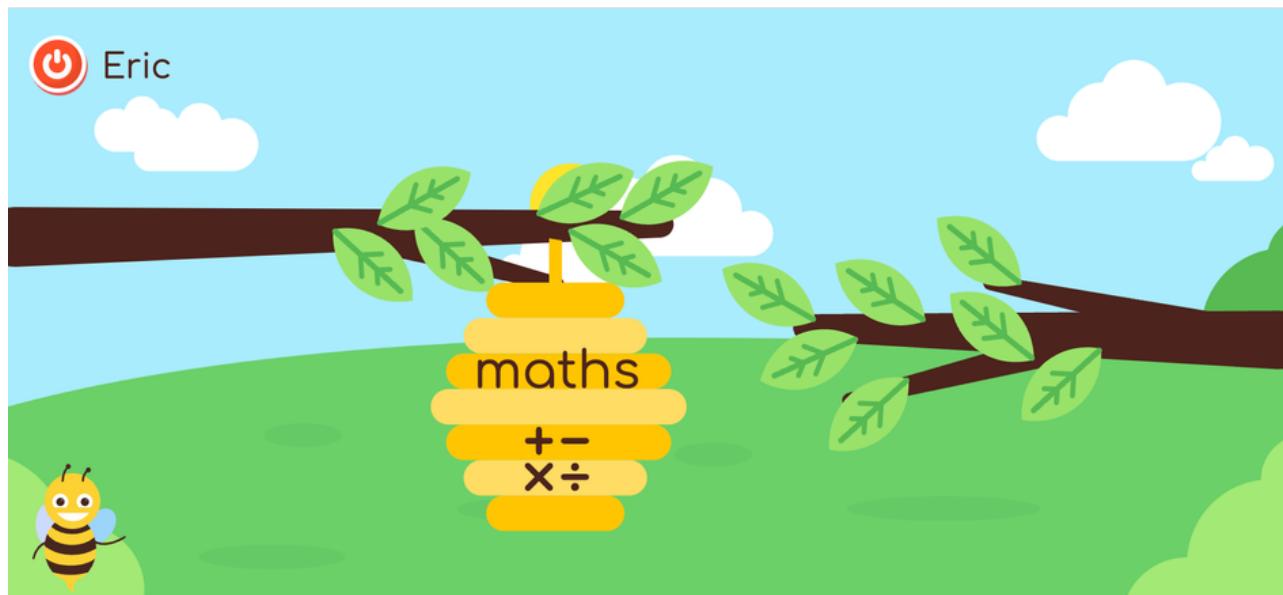
Home page

- Location
- Feature description

Location

After logging in the user will first be presented with an introductory cinematic.

After that the user will be automatically directed to the **Home** page, where the student can choose in which subject to start answering assessments.



Feature description

In the **Home** page we have:

Subject selection	 Assessment subject selection
	<p>On the home page the user will be presented with 2 options, maths and reading.</p> <p>In both categories the user will find assessment that correspond to that subject, meaning that they can access maths assessments by clicking on 'maths' and literacy assessments by clicking on 'reading'.</p> <p>Tip: Either the 'maths' or 'reading' honeypots may not appear if the student doesn't have access to any assessment of that subject.</p>

Replay intro	By clicking on the bee in the bottom left corner, the user can replay the introductory cinematic that was played on his first log in.
Logout	By clicking the red hang up button in the upper left corner, we can log out of the platform.

Profile

- Location
- Feature description
 - Honey Pot
 - Stars
 - Shop
 - Tutorial

Location

After logging in, on the home page clicking on the circle with the avatar (with the student's name next to it) in the upper left corner, we are taken to the **Profile** page:

The screenshot shows the Profile page for a student named Fulano. At the top, there are three circular icons: a monkey icon with the name 'Fulano' next to it, a bee icon with the number '131' next to it, and another bee icon with the number '14' next to it. Below these are two small red circular icons, one with a power symbol and one with a play symbol.

The main area displays a yellow background with the greeting "Hi, Fulano !". Below this, there is a list of six assessments, each represented by a colored flower icon and a progress indicator:

- assessment #1 (green flower): 2 / 3
- assessment #2 (light green flower): 2 / 3
- assessment #3 (red flower): 1 / 1
- assessment #4 (blue flower): 2 / 2
- assessment #5 (light blue flower): 0 / 17

Feature description

In the **Profile** page we have:

Honey Pot	<p>Every time the student completes a topic, they earn honey pots and stars.</p>  <p>135</p> <p>Honey pot</p> <p>The Honey Pot points are used to unlock new avatars.</p> <p>i Honey Pot points are consumables.</p>
Stars	<p>Every time the student completes a topic, they earn honey pots and stars.</p>  <p>14</p> <p>Stars</p> <p>Stars received vary depending on how well the student has responded to the topic questions.</p>
Shop	<p>In the Shop we can see the avatars already unlocked and buy new ones.</p>  <p>Shop</p> <p>The student can change their avatar here, by clicking on the check of available avatars:</p> 
Tutorial	<p>The Tutorial can also be accessed from the Profile page, by clicking int he button located in the lower left corner:</p>  <p>Tutorial button</p> <p>Once the Tutorial has started, it will guide the student through all the pages of the platform, indicating what to do:</p>



Fulano



131

14



Shop



Part of the **Tutorial** in some pages

Bee helper

- Location
- Basic usage

Location

The **bee helper** can be accessed by clicking on the button which is located in the upper right corner and can be found anywhere on the platform:



Bee helper
button

Basic usage

In each part of the platform, the bee helper will assist with specific audios for each part.



Bee helper dialog

You can listen to the audio by clicking on the audio button in the upper left corner of the open dialog:



Play audio button

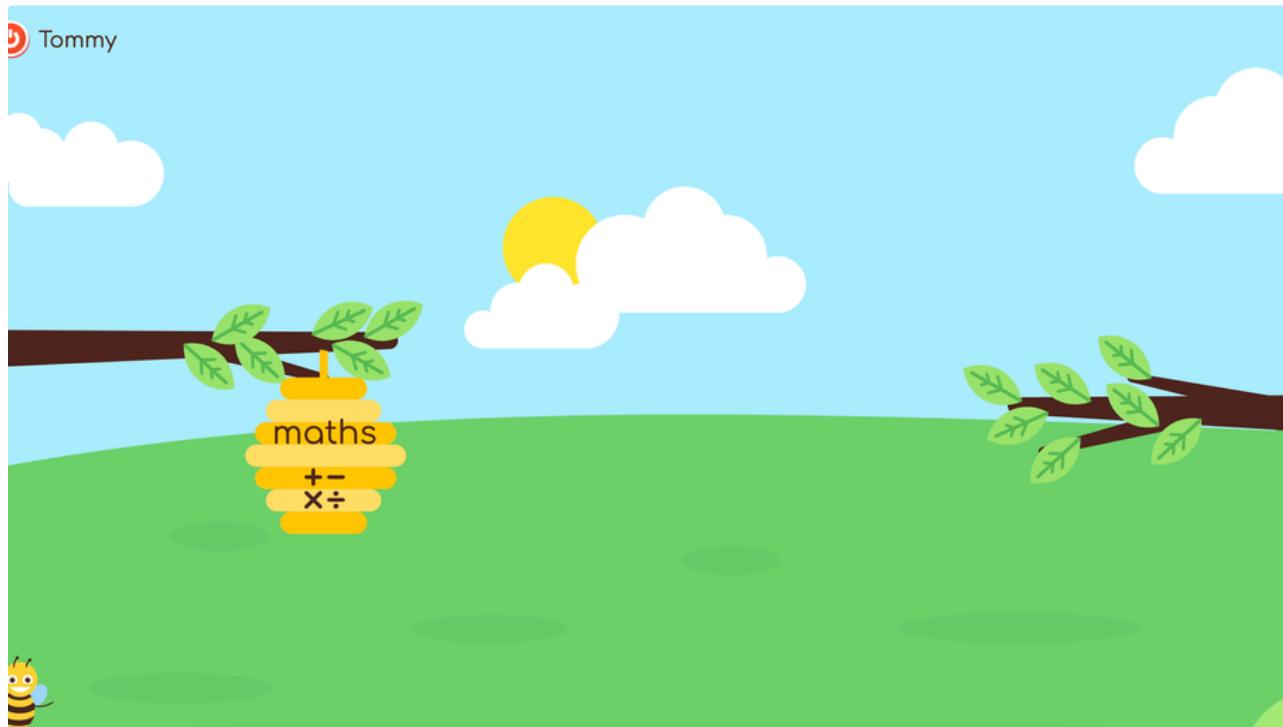
Answer a topic

Simple step-by-step on how to answer an assessment topic:

1. Choose assessment
2. Choose topic
3. Answer the questions

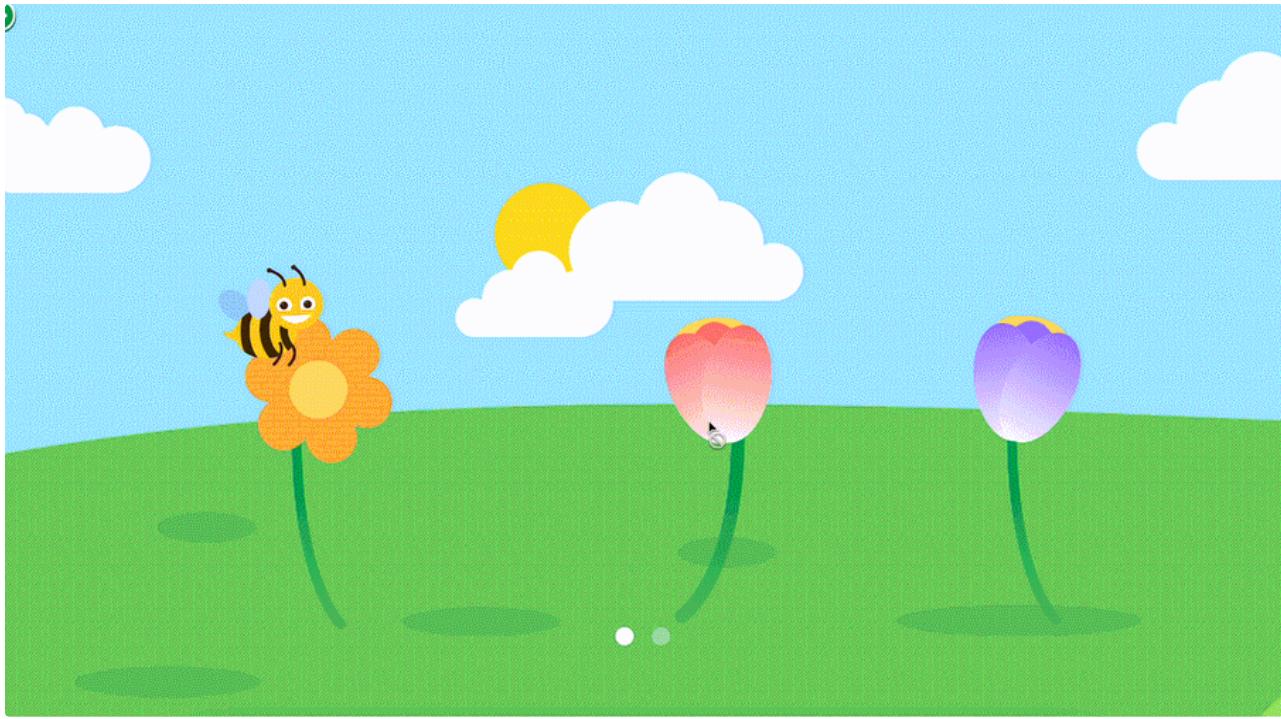
Choose assessment

The Assessments the student has access to are accessible on the home page by clicking on the beehive of their respective subject (maths or literacy):



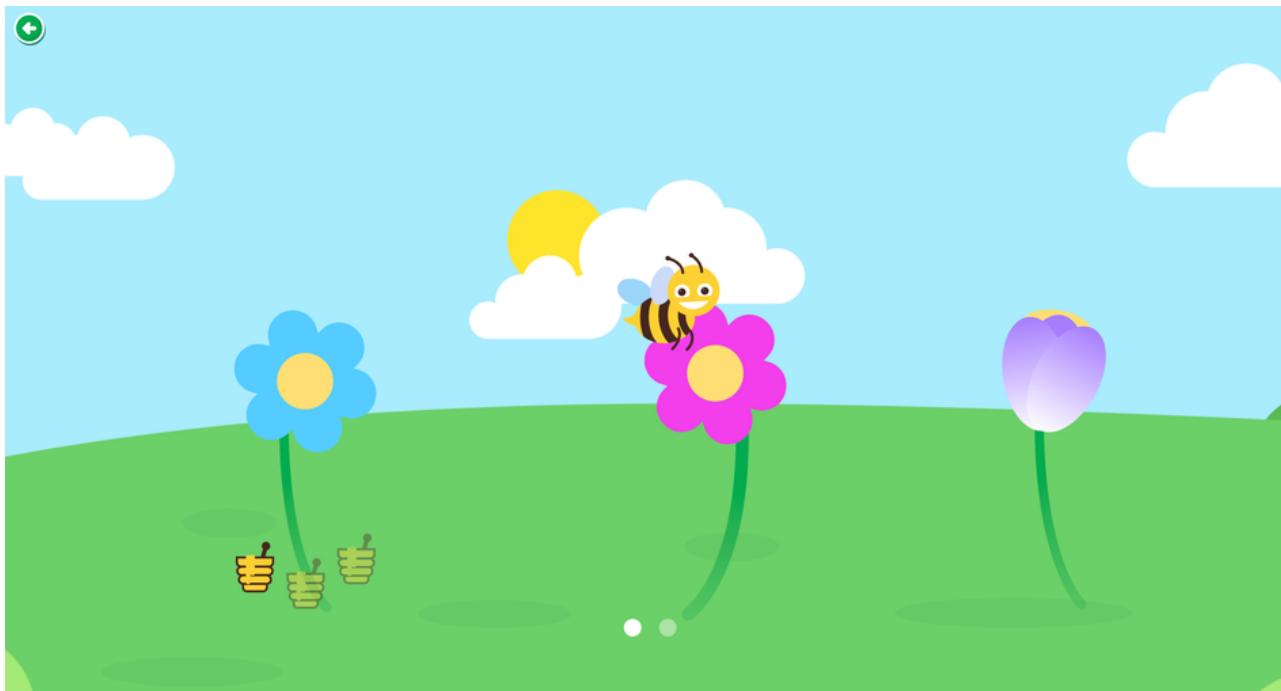
This will open the Topics page.

To then navigate between assessments within a specific subject, swipe left or right on the Topics page (one assessment per page):



Choose topic

When clicking on a beehive on the home page, the student is directed to the Assessment Topics that they have access to:

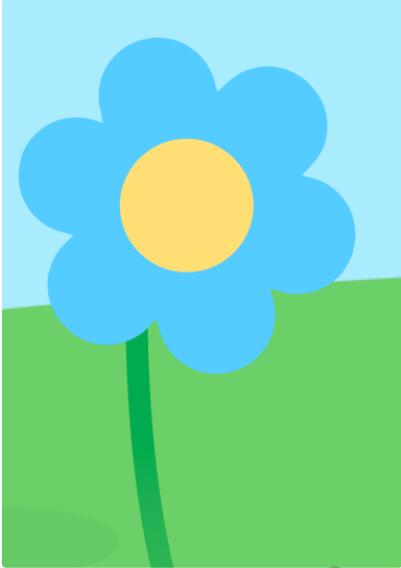


Topics page

Where we have:

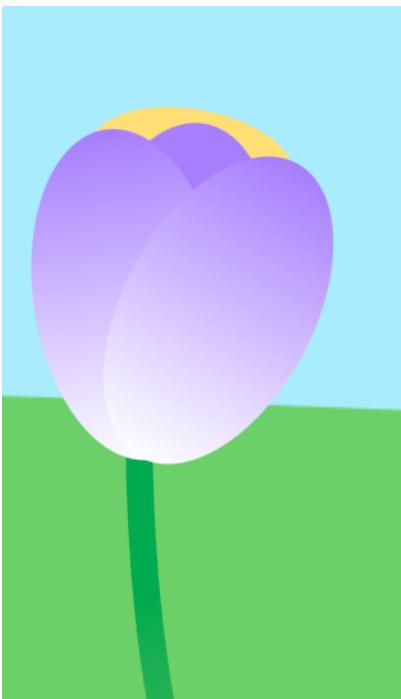
The flowers represent each topic of the assessment in order.

If the flower is **open**, the topic can be accessed by the student, who can start answering



its questions by clicking on it.

If the flower is **closed**, the topic is not yet accessible to the current student, who needs to complete previous topics in order to unlock it.



The honeypots under the topic flower indicate how well the student did in answering the questions in that topic

The bee is there to indicate to the student which topic to answer next, by hovering on top of its flower.



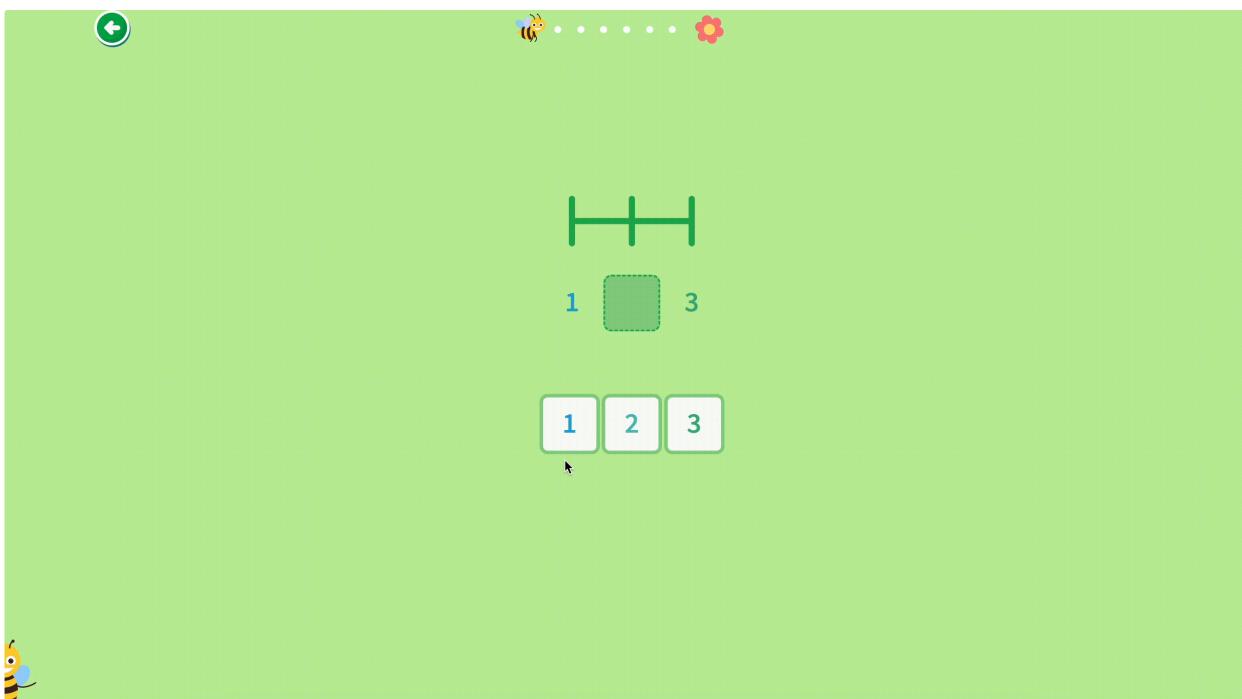
Then, to answer a topic the student clicks on its flower and then answers the questions.

 If the topic has no questions you will not be allowed to click on it.

Answer the questions

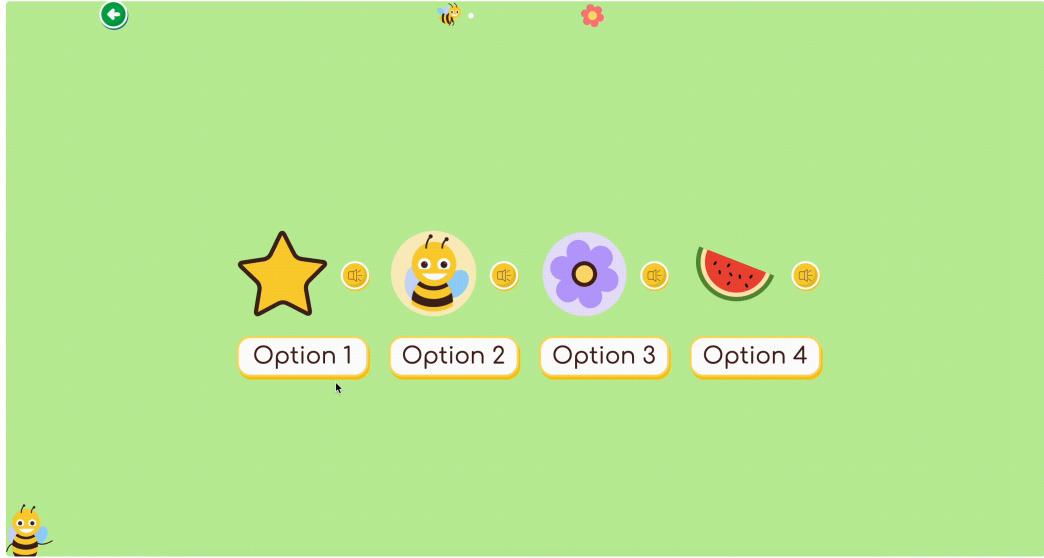
Once the topic has been selected, the student has access to the topic questions and simply answers them:

▼ Example



In the questions we have:

Progress bar	There is a progress bar at the top of the questions that tracks the student's progress as they answer the questions in the topic:  Progress bar
Question statement	Instead of being shown in written form, each question statement are played in audio form at the start of each question. In order to replay the question statement, students can click on the bee at the bottom-left of the screen:

	
Attachments	The questions can have an image and/or an audio attached that can be used to assist the student, which will be placed on the leftmost side of the screen: 
Feedback	By default, the student won't be able to access the next question within a topic before he has answered correctly. His wrong answers will be recorded and feedback will be shown, until he finds the right answer. 

Technical documentation

How to set up

The system is made of 3 different projects:

- Main API
- Teacher platform
- Student platform

The instructions to setup the main API are [here](#).

The instructions to setup both front-end platform are [here](#).

Branch convention

When working on a ticket on JIRA, name it as follows:

```
1 GOBEE-<ID>-<max_20_words_description>
```

Currently, working branch will always be `dev`.

Back-end

After cloning the repository, follow the steps below to setup the main API:

1. [Add file local.py](#)
2. [Apply the migrations](#)
3. [Create superuser](#)
4. [Generate static files](#)
5. [Load fixtures data](#)
6. [How to create fixtures from the current database](#)
7. [Working on the project](#)

 Be careful with the order.

 Use the `dev` branch for local uses.

Add file local.py

Run to add file local.py:

```
1 from .base import *
```

Apply the migrations

Run to apply migrations from the newly cloned project:

```
1 docker-compose run --rm web python manage.py migrate
```

Create superuser

Run to create superuser:

```
1 docker-compose run --rm web python manage.py createsuperuser
```

Generate static files

Run to generate static files:

```
1 docker-compose run --rm web python manage.py collectstatic
```

Load fixtures data

Run to load the fixtures data:

```
1 docker-compose run --rm web python manage.py loaddata languages_countries
2 docker-compose run --rm web python manage.py loaddata topics_learningobjectives
```

 You can load more fixtures running:

```
docker-compose run --rm web python manage.py loaddata <fixture>
```

Examples:

```
docker-compose run --rm web python manage.py loaddata users  
docker-compose run --rm web python manage.py loaddata assessments
```

How to create fixtures from the current database

See how to export the data from the current populated database and load it into another database on the [Data transfer](#) page.

Working on the project

After setting up the project, you may need:

Run project	<code>docker-compose up --build</code>
Add new app	<code>docker-compose run --rm web python manage.py startapp <app-name></code>
Install new packages	<code>docker-compose run --rm web pipenv install <package-name></code>
Create migrations files	<code>docker-compose run --rm web python manage.py makemigrations</code>
Apply migrations	<code>docker-compose run --rm web python manage.py migrate</code>
Run tests	<code>docker-compose run --rm web python manage.py test</code>  Tip : use <code>--keepdb</code> optional parameter at the end in order to use the same test database across all tests.
Dump data	<code>sudo docker-compose run --rm web python manage.py dumpdata assessments</code> <code>sudo docker-compose run --rm web python manage.py dumpdata assessments > alpha-test.json</code>
Wipe out DB	<code>sudo docker-compose down</code> <code>sudo docker volume rm assessment-tool-api_postgres_data</code>

Front-end

Here you find the instructions to how to setup both front-end platform:

- **Teacher platform** (project generated with [Angular CLI](#) version 11.1.0)
- **Student platform** (project generated with [Angular CLI](#) version 11.0.7)

After cloning the repository you follow the steps below:

1. [Install packages](#)
2. [Development server](#)
3. [Working on the project](#)

Install packages

Run `npm i` to install packages that the project depends on.

Development server

Run `ng serve` for a dev server.

Navigate to `http://localhost:4200/` and enter with admin credential from DB superuser.

The app will automatically reload if you change any of the source files.

- ⓘ If you wish to serve both the **Student** and **Teacher platforms** at the same time, you can do so by running `ng serve --port 4300` for one of the two front-ends.
- ⓘ For **Student Platform** only: you can run `npm run service-worker` to run with offline functionality. Navigate to `http://localhost:8080/`. In this mode changes will not be automatically updated.

Working on the project

After setting up the project, you may need:

Code scaffolding	Run <code>ng generate component component-name</code> to generate a new component. You can also use: <code>ng generate directive pipe service class guard interface enum module</code> .
Build	Run <code>ng build</code> to build the project. The build artifacts will be stored in the <code>dist/</code> directory. Use the <code>--prod</code> flag for a production build.
Running unit tests	Run <code>ng test</code> to execute the unit tests via Karma .
Running end-to-end tests	Run <code>ng e2e</code> to execute the end-to-end tests via Protractor .

Technologies & database

A brief description of the feature

- 💡 Use /info to add infotip, it is possible to change the nature of the info by clicking anywhere in this box and changing the icon, obtaining the following examples:



It is also possible to remove the emoji and change the colour of the background

- Location
- Quick start / Basic usage
- Feature description
 - feature 1
 - feature 2

Location

Where to find the feature

▼ Title

Quick start / Basic usage

Quick tutorial to use

- A
- B
- C

Feature description

feature 1	
feature 2	

Teachers platform - Technical view

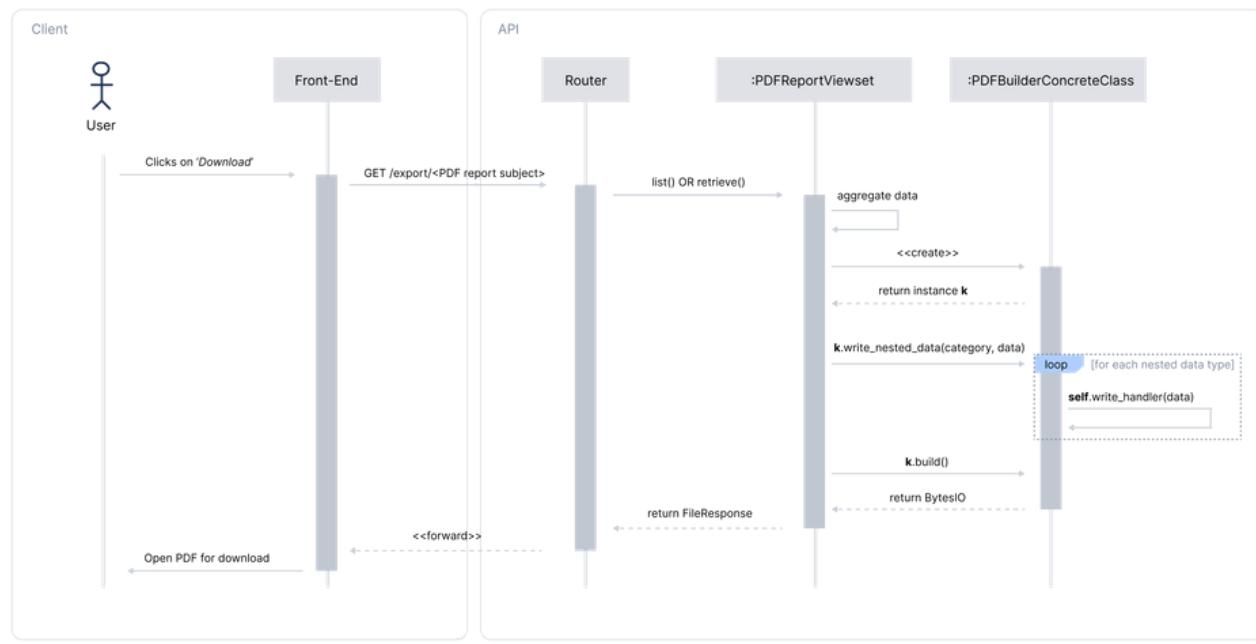
Download to PDF

- Overview
- Frontend
 - Location
 - Downloading a PDF report
- Backend
 - Location
 - Dependencies
 - Available endpoints
 - Adding a new PDF report endpoint
 - Adding the endpoint
 - Generating the PDF report
 - PDFBuilder
 - PDF report classes

Overview

The PDF download feature enables users to download PDF reports of specific data.

To implement a new type of PDF report, refer to the diagram below and the subsequent information:



Frontend

Location

- ▼ Assessment

First assessment	Grade Kindergarten	Subject Math	Language FRE	Country FRA	Private false	Reorder topics	Edit	Archive	Delete	Download			
<table border="1"> <tr> <td style="text-align: center;">  Add a topic + </td> <td style="text-align: center;"> First topic Example description (2 Questions) </td> <td style="text-align: center;">1</td> </tr> </table>											 Add a topic +	First topic Example description (2 Questions)	1
 Add a topic +	First topic Example description (2 Questions)	1											

Page	Assessment Builder
	<ul style="list-style-type: none"> • URL: /assessment-builder/<assessment_type>
Component	AssessmentSummaryComponent
	<ul style="list-style-type: none"> • path: src/app/assessment-builder/assessment-summary
Downloading PDF through	AssessmentService.downloadPDF
	<ul style="list-style-type: none"> • path: src/app/core/services/assessment.service.ts

▼ Topic

 First topic		Edit	Delete	Download		
Description Example description	Order true	Evaluated true	Allow skip false	Max wrong answers 0	Praise 0	Show feedback 0

Page	Assessment Builder / Question
	<ul style="list-style-type: none"> • URL: /assessment-builder/<assessment_type>/<assessment_id>/topic/<topic_id>
Component	TopicDetailsComponent
	<ul style="list-style-type: none"> • path: src/app/assessment-builder/topic-details
Downloading PDF through	AssessmentService.downloadPDF
	<ul style="list-style-type: none"> • path: src/app/core/services/assessment.service.ts

▼ Question

Edit	Delete	Clone	Download
----------------------	------------------------	-----------------------	--------------------------

Q3: Third question

Correct answer: Third question answer

Page	Assessment Builder / Question <ul style="list-style-type: none"> • URL: <code>/assessment-builder/<assessment_type>/<assessment_id>/topic/<topic_id></code>
Component	TopicDetailsComponent <ul style="list-style-type: none"> • path: <code>src/app/assessment-builder/topic-details</code>
Downloading PDF through	AssessmentService.downloadPDF <ul style="list-style-type: none"> • path: <code>src/app/core/services/assessment.service.ts</code>

Downloading a PDF report

One way to fetch PDF data is to use a [Blob](#):

```

1   HttpClient.get(pdfReportUrl, {
2     responseType: 'blob', observe: 'response'
3   }).subscribe((pdfRes: HttpResponse<Blob>) => {
4     // open the PDF document obtained for download
5     ...
6   });

```

 `observe: 'response'` enables you to get API response headers on top of their content.

Without it you won't be able to receive the PDF file name if specified in the API response.

You can then open the PDF document in another window, where the users will be able to download it:

```

1 const filename = pdfRes.headers.get('Content-Disposition').match(/(?:filename=")(.*)(?:.{1})/)[1];
2 const url = window.URL.createObjectURL(pdfRes.body);
3 const w = window.open();
4 w.document.write(
5   `<html>
6     <head>
7       <title>${filename}</title>
8     </head>
9     <body style="margin: 0; padding: 0">
10       <iframe src="${url}" style="width: 100%; height: 100%; margin: 0; padding: 0; border: none;"></iframe>
11     </body>
12   </html>`;
13 );

```

Here overriding the HTML of the newly opened window via `w.document.write` to set a `<title>` tag is necessary if you want the file name to be displayed.

Backend

Location

The feature can be found in the `export` directory.

PDF template logic is located in `export/utils/reports.py`.

Dependencies

- **ReportLab PDF Toolkit**, an open-source python library, is used to generate PDF templates.
 - [Documentation](#)
 - [Source code](#)
-  **svglib** is used to embed vector images in pdf reports.

Available endpoints

Assessment PDF report	URL	/export/assessments/<assessment_id>
	ViewSet	export.views.AssessmentReportViewSet
Topic PDF report	URL	/export/assessments/<assessment_id>/topics/<topic_id>
	ViewSet	export.views.AssessmentTopicReportViewSet
Question PDF report	URL	/export/assessments/<assessment_id>/topics/<topic_id>/questions/<question_id>
	ViewSet	export.views.QuestionReportViewSet

Adding a new PDF report endpoint

Adding the endpoint

- Add a new URL to `export/urls.py` and the corresponding Viewset in `export/viewsets.py`
- From the exposed method of the Viewset (e.g. `list` or `retrieve`), do the following:
 - Retrieve the data you wish to see in the generated PDF, and collect all the serialized results into a nested Dictionary, such that it represents the nested relationships accurately.

Example of a nested dictionary for an assessment PDF report:

```
1 {
2     'assessments': {
3         ...
4         'topics': [
5             {
6                 ...
7                 'questions': [
8                     {
9                         ...
10                    },
11                    ...
12                ],
13            },
14            ...
15        ],
16    },
17 }
```

 The keys defined for nested data in the dictionary will be later used to map their data to specific PDF draw methods

- Generate the report (explained in the next section)
- Return the obtained `BytesIO` result as a `FileResponse` object

⚠ If you specify a file name in the `FileResponse`'s constructor, make sure to set the response's `Access-Control-Expose-Headers` to `Content-Disposition`. Without that, the file name won't be made accessible to the frontend.

Generating the PDF report

General example (from the Viewset)

```
1 # Instantiate a PDF report class, subclass of PDFBuilder
2 builder = AssessmentPDFReport()
3
4 # Generate the PDF layout
5 builder.write_nested_data('assessments', assessment_data)
6
7 # Build the PDF and retrieve it as a BytesIO buffer
8 doc = builder.build()
```

PDFBuilder

The `PDFBuilder` class is in charge of mapping data to the appropriate draw method, as well as building the PDF object itself.

It must be inherited by all specific PDF report classes, and provides several methods:

`PDFBuilder.write_nested_data(category: str, data: dict, depth_level=0) -> None`

Must be called to generate the PDF template.

Iterates recursively through the provided `data` dictionary, and calls the appropriate draw methods of the `PDFBuilder` subclass.

- For each iteration (meaning at each `depth_level`), `category` represents the key for which a draw method must be called. It usually represents a nested relationship that we appended to data that was fetched from the database.
For instance, using the example defined above in "Adding the endpoint"; at `depth_level=0`, it must be 'assessments'. at `depth_level=2`, category will be 'questions'.
- Categories must be defined by the subclass, through a `write_handlers` dictionary, in which they will be keys mapped to specific draw methods of the subclass (this is explained further in "PDF report classes"). At the moment, there can be only one category per nesting level.

`PDFBuilder.build() -> BytesIO`

Can be called after `write_nested_data` to get the generated PDF.

Builds the PDF with the elements added by the subclass to `PDFBuilder._story`, and returns it as a `BytesIO` buffer.

`PDFBuilder._get_sized_image(url: str, size=cm) -> Union[Image, Drawing]:`

Can be used by `PDFBuilder` subclasses.

Returns an `Image` or `Drawing` object corresponding to the image specified at `url`, scaled to the specified `size`.

F Padding and indentation related to depth level are handled by `PDFBuilder` automatically. If you need different ones for specific PDF reports you would need to override `PDFBuilder.__add_spacer` and `PDFBuilder.__remove_indentation`

PDF report classes

PDF report classes must inherit `PDFBuilder` and only need to implement methods to write specific data onto the PDF document.

Attributes	All <code>PDFBuilder</code> subclasses must have the attribute <code>write_handlers</code> , to map each key of interest in nested data to a method that draws its data onto the PDF document.
	<pre>1 class AssessmentPDFReport(PDFBuilder): 2 3 def __init__(self): 4 super().__init__() 5 6 # Define methods that will be called by write_nested_data 7 # (keys must correspond to keys in serialized data, associated to a dict of 8 self.write_handlers = { 9 'assessments': self.__write_assessment, 10 'topics': self.__write_topic, 11 'questions': self.__write_question 12 }</pre>
Methods	<p>Every <code>write_handlers</code> method must implement the following signature:</p> <p><code><method_name>(self, data: dict) -> None</code></p> <p>To write onto the PDF document, they need to append their reportlab generated elements to <code>PDFBuilder._story</code>.</p>

Dashboard - Technical view

A brief description of the feature

- ⓘ Use /info to add infotip, it is possible to change the nature of the info by clicking anywhere in this box and changing the icon, obtaining the following examples:



It is also possible to remove the emoji and change the colour of the background

- Location
- Quick start / Basic usage
- Feature description
 - feature 1
 - feature 2

Location

Where to find the feature

▼ Title

Quick start / Basic usage

Quick tutorial to use

- A
- B
- C

Feature description

feature 1	
feature 2	

Students - Technical view

- [Overview](#)
- [Front-end](#)
 - [Location](#)
- [Back-end](#)
 - [Available endpoints](#)
 - [Student related features](#)
 - [Business logic](#)

Overview

The students feature enables teachers/supervisors to create, edit and delete students, manage their accesses to topics and follow up assessments accessed by each student more efficiently, as well as filter student results by country, language or group.

Front-end

Location

▼ Students page

Students Overview

Country	Language	Group	Student name	Student code	Group #	Number of active assessments	Number of completed topics	Last login	Language	Country	Active
			Ron Weasley	247254	Group #1	2	1	Aug 1, 2022	English	United States	Yes
			Harry Potter	111111	Group #1	2	2	Aug 4, 2022	English	United States	Yes

Items per page: 20 | < < 1 - 2 of 2 > >|

URL	/students
Component	StudentsComponent path: src/app/students

Add / edit student dialog

Create a new student

First name	Last name
Country	Language
Group	<input checked="" type="checkbox"/> Active
+ Add group	
Cancel Submit	

Component	StudentDialogComponent
path: src/app/students/student-dialog	

Assign a topic

Assign a topic

Students	Groups	Assessment	Assessment topic(s) availability
Ron Weasley	<input type="checkbox"/> Group #1	<input type="radio"/> Literacy Assessment	
Harry Potter		<input type="radio"/> Arts	
		<input type="radio"/> Calculus Assessment	
		<input type="radio"/> Empty assessment	
		<input type="radio"/> Empty assessment	
		<input type="radio"/> Empty assessment	

[Cancel](#) [Assign](#)

Component	TopicAccessesBuilderComponent
path: src/app/students/topic-accesses-builder	

Student Details

Students Overview / Student details

Sirius Black

Dashboard

Students

Groups

Assessments

Assessment Builder

Student's assessments

Name	Number of assessments	Total completed topics	Last login	Language	Country	Active
Harry Potter	2	2	8/4/22, 10:20 AM	English	United States	Yes

Student's assessments

- Literacy Assessment (2 linked topic(s))
- Arts (3 linked topic(s))

Edit student **Delete student**

Assessments Overview

Search...

Title	Subject	Number of linked topics	Number of completed topics	Last login
Arts	PreSel	3	2	Aug 4, 2022
Literacy Assessment	Literacy	2	0	Aug 3, 2022

Items per page: 20 | 1 ~ 2 of 2 | < < > >|

URL	/students/<student_id>
Component	StudentDetailComponent path: src/app/students/student-detail

Edit student access to topics

Literacy Assessment

Edit topic accesses

Start date – End date

Apply the same dates to all the topics ?

Reading comprehension
8/1/2022 – 8/31/2022

Grammar
8/1/2022 – 8/31/2022

Component	TopicAccessModalComponent path: src/app/students/topic-access-modal
------------------	-------------------------------------------------------------------------------

Assessments Overview feature

Assessments Overview

Search...



Title	Subject	Number of linked topics	Number of completed topics	Last login
Arts	PreSel	3	2	Aug 4, 2022
Literacy Assessment	Literacy	2	0	Aug 3, 2022

Items per page: 20 | 1 - 2 of 2 | < < > >|

Component	AssessmentsAnswersComponent
	path: src/app/answers/assessments-answers

Assessments Overview:	TopicsListAnswersComponent																																																		
Topics	<p>Students Overview / Student details / Topics</p> <p>Sirius Black</p> <table border="1"> <tr> <td>Dashboard</td> <td>←</td> </tr> <tr> <td>Students</td> <td>Student name</td> <td>Assessment Name</td> <td>Accessible topics</td> <td>Total completed topics</td> <td>Last login</td> </tr> <tr> <td>Groups</td> <td>Harry Potter</td> <td>Arts</td> <td>3</td> <td>2</td> <td>Aug 4, 2022</td> </tr> <tr> <td>Assessments</td> <td colspan="5">Search...</td> </tr> <tr> <td>Assessment Builder</td> <td>Name</td> <td>Number of questions</td> <td>Number of tries</td> <td>Answered correctly on first try</td> <td>Answered correctly on last try</td> </tr> <tr> <td></td> <td>Art Assessment #1</td> <td>3</td> <td>2</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td></td> <td>Art Assessment #2</td> <td>4</td> <td>2</td> <td>66.67%</td> <td>66.67%</td> </tr> <tr> <td></td> <td>Art Assessment #3</td> <td>11</td> <td>114</td> <td>0%</td> <td>0%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Aug 4, 2022</td> </tr> </table> <p>Items per page: 20 1 - 3 of 3 < < > > </p>	Dashboard	←	Students	Student name	Assessment Name	Accessible topics	Total completed topics	Last login	Groups	Harry Potter	Arts	3	2	Aug 4, 2022	Assessments	Search...					Assessment Builder	Name	Number of questions	Number of tries	Answered correctly on first try	Answered correctly on last try		Art Assessment #1	3	2	N/A	N/A		Art Assessment #2	4	2	66.67%	66.67%		Art Assessment #3	11	114	0%	0%						Aug 4, 2022
Dashboard	←																																																		
Students	Student name	Assessment Name	Accessible topics	Total completed topics	Last login																																														
Groups	Harry Potter	Arts	3	2	Aug 4, 2022																																														
Assessments	Search...																																																		
Assessment Builder	Name	Number of questions	Number of tries	Answered correctly on first try	Answered correctly on last try																																														
	Art Assessment #1	3	2	N/A	N/A																																														
	Art Assessment #2	4	2	66.67%	66.67%																																														
	Art Assessment #3	11	114	0%	0%																																														
					Aug 4, 2022																																														

URL: /students/<student id>/assessments/<assessment id>/topics

path: src/app/answers/topics-list-answers

Assessments Overview:	QuestionsListAnswersComponent																																																						
Questions	<p>Students Overview / Student details / Topics / Questions</p> <p>Sirius Black</p> <table border="1"> <tr> <td>Dashboard</td> <td>←</td> </tr> <tr> <td>Students</td> <td>Student name</td> <td>Topic Name</td> <td>general.numberOf</td> </tr> <tr> <td>Groups</td> <td>Harry Potter</td> <td>Art Assessment #1</td> <td>3</td> </tr> <tr> <td>Assessments</td> <td colspan="3">Search...</td> </tr> <tr> <td>Assessment Builder</td> <td>Question title</td> <td>Question type</td> <td>Order ↑</td> <td>Average time to answer</td> <td>Correct on first try</td> <td>Correct on last try</td> <td>Preview</td> </tr> <tr> <td></td> <td>test</td> <td>DRAG_AND_DROP</td> <td>1</td> <td>00m 00s</td> <td>No</td> <td>No</td> <td></td> </tr> <tr> <td></td> <td>a</td> <td>DRAG_AND_DROP</td> <td>2</td> <td>00m 00s</td> <td>No</td> <td>No</td> <td></td> </tr> <tr> <td></td> <td>g</td> <td>DRAG_AND_DROP</td> <td>3</td> <td>00m 00s</td> <td>No</td> <td>No</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Items per page: 20 1 - 3 of 3 < < > > </td> </tr> </table> <p>URL: /students/<student id>/assessments/<assessment id>/topics/<topic id>/questions</p> <p>path: src/app/answers/questions-list-answers</p>	Dashboard	←	Students	Student name	Topic Name	general.numberOf	Groups	Harry Potter	Art Assessment #1	3	Assessments	Search...			Assessment Builder	Question title	Question type	Order ↑	Average time to answer	Correct on first try	Correct on last try	Preview		test	DRAG_AND_DROP	1	00m 00s	No	No			a	DRAG_AND_DROP	2	00m 00s	No	No			g	DRAG_AND_DROP	3	00m 00s	No	No									Items per page: 20 1 - 3 of 3 < < > >
Dashboard	←																																																						
Students	Student name	Topic Name	general.numberOf																																																				
Groups	Harry Potter	Art Assessment #1	3																																																				
Assessments	Search...																																																						
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	test	DRAG_AND_DROP	1	00m 00s	No	No																																																	
	a	DRAG_AND_DROP	2	00m 00s	No	No																																																	
	g	DRAG_AND_DROP	3	00m 00s	No	No																																																	
							Items per page: 20 1 - 3 of 3 < < > >																																																

Back-end

Available endpoints

Available endpoints

Endpoints available in `UsersViewSet` and located in `users/views.py`:

Create a new student	
Endpoint	POST /users/
Body	<pre>1 { 2 first_name: string, 3 last_name: string, 4 role: string, 5 language: string, 6 country: string, 7 group: string, 8 is_active: boolean 9 }</pre>
ViewSet method	<code>UsersViewSet.create</code>
Edit a student	
Endpoint	PUT /users/<student id>/
Body	<pre>1 { 2 first_name: string, 3 last_name: string, 4 role: string, 5 language: string, 6 country: string, 7 group: string, 8 is_active: boolean 9 }</pre>
ViewSet method	<code>UsersViewSet.update</code>
Get a single student	
Endpoint	GET /users/<student id>/
ViewSet method	<code>UsersViewSet.retrieve</code>
Get all students belonging to the current supervisor	
Endpoint	GET /users/
ViewSet method	<code>UsersViewSet.list</code>
Delete student	
Endpoint	DELETE /users/<student id>/
ViewSet method	<code>UsersViewSet.destroy</code>
Bulk delete students	
Endpoint	DELETE /users/bulk_delete_students/

Body	<pre> 1 { 2 students: string[] // students ids 3 }</pre>
ViewSet method	UsersViewSet. bulk_delete_students

Student related features

▼ Student related features

Several **GET** endpoints of the `visualization` module allow their responses to be filtered by students, using query parameters (those endpoints are used to display student results on the Dashboard page and the student assessments details on the Assessment Overview section on the Student Details page).

The way those query parameters are handled can be found within the `get_queryset` method of several ViewSets in `visualization/views.py`.

- Endpoints used to display student details on the Students Overview and Student Details page:

Get students list and student details	
Endpoints	<ul style="list-style-type: none"> - GET <code>/visualization/students/</code> - GET <code>/visualization/students/<student id>/</code>
ViewSet	UserTableViewSet
Front-end method	<ul style="list-style-type: none"> - <code>UserService.getStudentsList(filteringParams?: object)</code> - <code>UserService.getStudentDetails(id: string)</code>
Get student linked assessments and assigned topics	
Endpoints	GET <code>/visualization/students_assessments/<student id>/</code>
ViewSet	StudentLinkedAssessmentsViewSet
Front-end method	<code>AssessmentService.getStudentAssessments(studentId: number)</code>

- Endpoints used to display student results on the Assessment Overview section on the Student Details page:

Get assessments by student's answers	
Endpoints	<ul style="list-style-type: none"> - GET <code>/visualization/student_answers/<student id>/assessments/</code> - GET <code>/visualization/student_answers/<student id>/assessments/<assessment id>/</code>
ViewSet	AssessmentAnswersTableViewSet
Front-end method	<ul style="list-style-type: none"> - <code>AnswerService.getAssessmentsAnswers(studentId: string)</code> - <code>AnswerService.getAssessmentsAnswersDetails(studentId: string, assessmentId: string)</code>
Get assessment topics by student's answers	
Endpoint	- GET <code>/visualization/student_answers/<student id>/assessments/<assessment id>/topics/</code>

	<ul style="list-style-type: none"> - GET /visualization/student_answers/<student_id>/assessments/<assessment_id>/topics/<topic_id>/
ViewSet	TopicAnswersTableViewSet
Front-end method	<ul style="list-style-type: none"> - AnswerService.getTopicsAnswers(studentId: string, assessmentId: string) - AnswerService.getTopicsAnswersDetails(studentId: string, assessmentId: string, topicId: string)
Get questions by student's answers	
Endpoint	GET /visualization/student_answers/<student_id>/assessments/<assessment_id>/topics/<topic_id>/questions/
ViewSet	QuestionAnswersTableViewSet
Front-end method	AnswerService.getQuestionsAnswers(studentId: string, assessmentId: string, topicId: string)

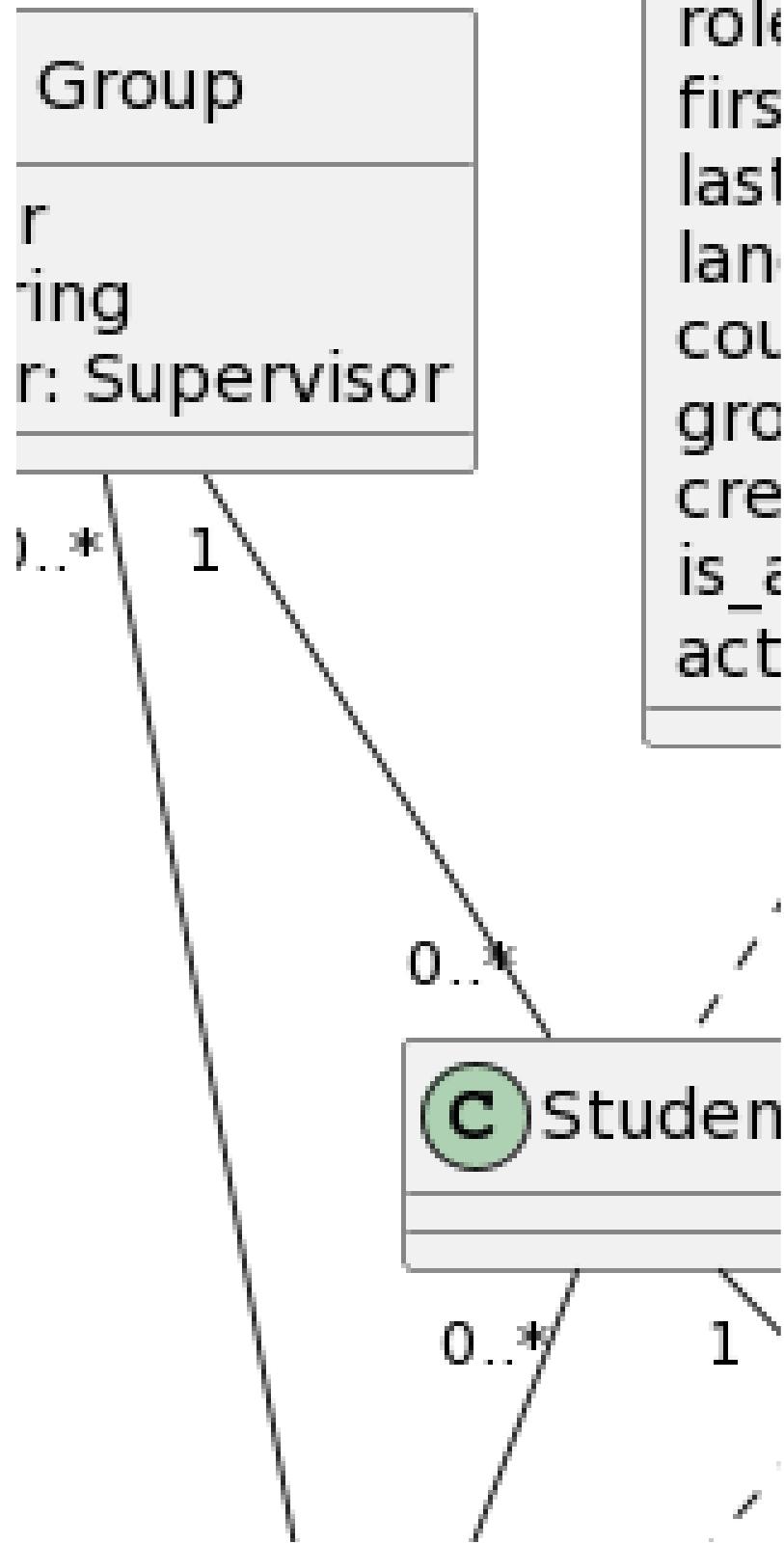
- Endpoints used to create, edit and delete assigned topic accesses to students on the Students page and on the Student Details page:

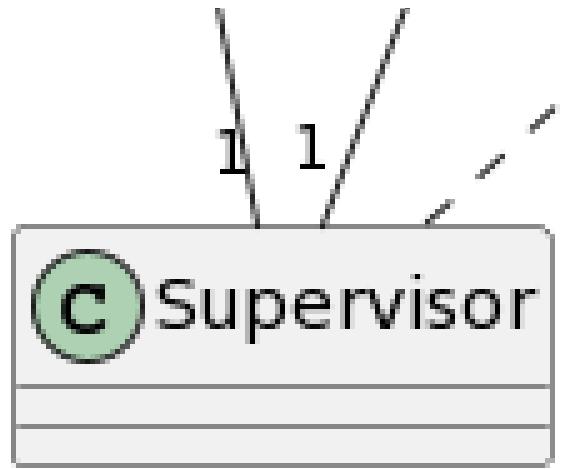
Bulk assign topic accesses	
Endpoint	POST /assessments/<assessment_id>/accesses/bulk_create/
Body	<pre> 1 { 2 students: string[], // students ids 3 accesses: {topic: string, start_date: date, end_date: date}[] 4 }</pre>
ViewSet	assessments.views.AssessmentTopicAccessesViewSets
Front-end method	UserService.assignTopicsAccesses(batchTopicAccesses: BatchTopicAccesses, assessmentId: string)
Delete topics accesses	
Endpoint	DELETE /assessments/<assessment_id>/accesses/<topic_access_id>/
ViewSet	assessments.views.AssessmentTopicAccessesViewSets
Front-end method	UserService.removeTopicAccess(assessmentId: string, topicAccessId: string)

Business logic

▼ Business logic

ViewSet	users.views. UsersViewSet and visualization.views. UserTableViewSet
Serializer	users.serializers. UserSerializer and visualization.serializers. UserTableSerializer





The **Student** is a role choice available for the **User** model and is declared in `users/models.py`.

Some of its important fields are:

- `is_active` : designates whether this user should be treated as active.
- `active_status_updated_on` : Define the last time `is_active` was updated. Used to determine if students can be deleted: students can only be deleted after one year of inactivity.

This model has a many-to-one relationship to a **Supervisor** (several students can be supervised by a teacher/supervisor) and with the **Group** model (several students can belong to the same group).

A single **Student** can have several **AssessmentTopicAccess** to different AssessmentTopics, created by the **Supervisor** on the Students page on the Teachers platform.

Groups - Technical view

- [Overview](#)
- [Front-End](#)
 - [Location](#)
- [Backend](#)
 - [Available endpoints](#)
 - [Business logic](#)
 - [Group-related features](#)

Overview

The group feature enables teachers/supervisors to group students, manage their assessments more efficiently, as well as filter student results on a group-per-group basis.

Front-End

Location

▼ Group pages

Groups Overview

Groups overview

Groups (3)

Group name	Number of students
Group 1	2
Group 2	3
Group 3	0

Add group Edit group(s) Delete group(s)

Search...

Items per page: 20 | < < > >| 1 – 3 of 3

URL	/groups
Component	GroupsComponent path: src/app/groups

Group details

[Groups overview](#) / Group details

Student Name	Student code	Language	Country
Léo Deshaies	524535	French	France
Samuel Ponce	795302	French	France

Items per page: 20 | 1 - 2 of 2 | < < > >

URL	/groups/<group_id>
Component	GroupDetailComponent path: src/app/groups/group-detail

Add / edit group dialog

Create a new group

Group name:

Supervisor: nbernes

Component	GroupDialogComponent path: src/app/groups/group-dialog
------------------	------------------------------------------------------------------

Group features on Student pages

Assign a topic to a group

Assign a topic

Groups First group Assessment Assessment #1 Assessment #2

Assessment topic(s) availability

Related component	TopicAccessesBuilderComponent
path: <code>src/app/students/topic-accesses-builder</code>	
Assign a group to a student	

Related component	StudentDialogComponent
path: <code>src/app/students/student-dialog</code>	
<ul style="list-style-type: none"> ▼ Group features on Dashboard page <div style="margin-top: 10px;"> </div>	

Backend

Available endpoints

▼ Available endpoints							
<div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"> Create a new group </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 5px;">Endpoint</td> <td style="padding: 5px;">POST <code>/users/groups/</code></td> </tr> <tr> <td style="width: 20%; padding: 5px;">Body</td> <td style="padding: 5px;"> <pre> 1 { 2 name: string, 3 supervisor: string 4 } </pre> </td> </tr> <tr> <td style="width: 20%; padding: 5px;">ViewSet method</td> <td style="padding: 5px;">GroupsViewSet.create</td> </tr> </table>		Endpoint	POST <code>/users/groups/</code>	Body	<pre> 1 { 2 name: string, 3 supervisor: string 4 } </pre>	ViewSet method	GroupsViewSet.create
Endpoint	POST <code>/users/groups/</code>						
Body	<pre> 1 { 2 name: string, 3 supervisor: string 4 } </pre>						
ViewSet method	GroupsViewSet.create						

Edit a group	
Endpoint	PUT /users/groups/<group id>
Body	<pre> 1 { 2 name: string, 3 supervisor: string 4 }</pre>
ViewSet method	GroupsViewSet.update
Get a single a group	
Endpoint	GET /users/groups/<group id>/
ViewSet method	GroupsViewSet.retrieve
Get all groups belonging to the current supervisor	
Endpoint	GET /users/groups/
ViewSet method	GroupsViewSet.list
Delete group	
Endpoint	DELETE /users/groups/<group id>/
ViewSet method	GroupsViewSet.destroy
Bulk delete groups	
Endpoint	DELETE /users/groups/bulk_delete/
Body	<pre> 1 { 2 groups: string[] // group ids 3 }</pre>
ViewSet method	GroupsViewSet.bulk_delete

Business logic

- Business logic

ViewSet	users.views.GroupsViewSet
Serializer	users.serializers.GroupSerializer



User

jer
erRole

me: String

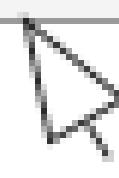
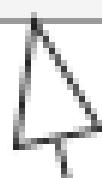
ne: String

z: Language

Country

roup

_by: Supervisor



1

2

3

4

5

6

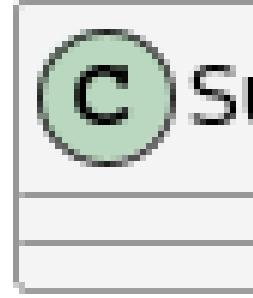
7

8

9



0.



The **Group** model is declared in `users/models.py`.

It contains a '*name*' field, as well as a many-to-one relationship to a supervisor (several groups can belong to one supervisor).

This model is also pointed at by a '*group*' field within the **User** instances with UserRole STUDENT, which is a many-to-one relationship (several students can belong to one group).

Group-related features

▼ Group-related features

Several **GET** endpoints of the `visualization` module allow their responses to be filtered by group, using query parameters (those endpoints are used to display student results on the Dashboard page).

The way those query parameters are handled can be found within the `get_queryset` method of several ViewSets in `visualization/views.py`.

Assessments - Technical view

- [Overview](#)
- [Front-end](#)
 - [Location](#)
- [Back-end](#)
 - [Available endpoints](#)
 - [Assessments related features](#)
 - [Business logic](#)

Overview

The assessments page feature enables teachers/supervisors to search, filter by country and language and have an overview of their assessments and public assessments, assessment topics, their questions and data about the student linked to them.

Front-end

Location

- [Assessments page](#)

Assessments Overview

Assessments (4)							
Country		Language		Search...			
Title	Grade	Subject	Number of topics	Number of students currently linked to this assessment		Language	Country
Literacy Assessment	7	Literacy	2	1		English	United States
Arts	0	PreSel	3	2		English	United States
Calculus Assessment	12	Math	4	0		English	United States
Music	4	PreSel	1	0		Arabic	Jordan

Items per page: 20 | < < > >|

URL

/assessments

Component

AssessmentsComponent

path: src/app/assessments

Assessments details: Topics

[Assessments Overview](#) / Topics

← Arts (3) Grade Kindergarten, PreSel, English

Search... 

<input type="checkbox"/> Name	Number of students with active access	Number of students with active access who completed it	Total students who completed it	Number of questions
<input type="checkbox"/> Art Assessment #1	2	0	2	3
<input type="checkbox"/> Art Assessment #2	2	2	2	3
<input type="checkbox"/> Art Assessment #3	2	1	2	11

Items per page: 20 | < < > >| 1 - 3 of 3

URL	/assessments/<assessment id>
Component	AssessmentDetailComponent path: src/app/assessments/assessment-detail

Questions List

[Assessments Overview](#) / Topics / Questions

← Questions (3)

Search... 

<input type="checkbox"/> Title	Question type	Order ↑	Attachment	Total correct answers on students' first try	Total correct answers on students' last try	Preview
<input type="checkbox"/> input question #1	Input	1	No	100%	50%	
<input type="checkbox"/> input question #2	Input	2	Yes	100%	50%	
<input type="checkbox"/> input question #3	Input	3	Yes	50%	0%	

Items per page: 20 | < < > >| 1 - 3 of 3

URL	/assessments/<assessment id>/topics/<topic id>
Component	QuestionsListComponent path: src/app/assessments/questions-list

Questions Preview

Questions (3)

Search...

Index	Title	Question type	Order ↑	Attachment	Total correct answers on students' first try	Total correct answers on students' last try	Preview
1	input question #1	Input	1	No	100%	50%	
2	input question #2	Input	2	Yes	100%	50%	
3	input question #3	Input	3	Yes	50%	0%	

Items per page: 20 | 1 - 3 of 3 | < < > >

Related Components

QuestionNumberlineComponent, QuestionDragAndDropComponent, QuestionSelectComponent, QuestionInputComponent

path: src/app/shared/questions/

Back-end

Available endpoints

▼ Available endpoints

Get all allowed assessments for the logged-in supervisor

Endpoint	GET /visualization/assessments/
ViewSet method	AssessmentTableViewSet.list
Front-end method	AssessmentService.getAssessmentsList(filteringParams?: object)
Response	<pre> 1 [2 { 3 archived: boolean, 4 can_edit: boolean, 5 country_code: string, 6 country_name: string, 7 downloadable: boolean, 8 grade: string, 9 icon: string, 10 id: number, 11 language_code: string, 12 language_name: string, 13 private: boolean, 14 students_count: number, 15 subject: string, 16 title: string, 17 topics_count: number, 18 topics: [{{ 19 archived: boolean, </pre>

```

20     description: string,
21     icon: string,
22     id: number,
23     order: number,
24     questionsCount: number,
25     title: string
26   ]
27 }
28 ]

```

Get a single assessment

Endpoint	GET /visualization/assessments/<assessment_id>/
ViewSet method	AssessmentTableViewSet.retrieve
Front-end method	AssessmentService.getAssessmentDetails(id: string)
Response	<pre> 1 [2 { 3 archived: boolean, 4 can_edit: boolean, 5 country_code: string, 6 country_name: string, 7 downloadable: boolean, 8 grade: string, 9 icon: string, 10 id: number, 11 language_code: string, 12 language_name: string, 13 private: boolean, 14 students_count: number, 15 subject: string, 16 title: string, 17 topics_count: number, 18 topics: [19 { 20 archived: boolean, 21 description: string, 22 icon: string, 23 id: number, 24 order: number, 25 questionsCount: number, 26 title: string 27] 28 } 29] 30] </pre>

Get assessment topics

Endpoint	GET /visualization/assessments/<assessment_id>/topics/
ViewSet method	AssessmentTopicsTableViewset.list
Front-end method	AssessmentService.getAssessmentTopics(id: string)
Response	<pre> 1 [2 { 3 archived: boolean, 4 assessment_id: number, 5 id: number, 6 ... </pre>

```

6   name: string,
7   order: number,
8   overall_students_completed_count: number,
9   questions_count: number,
10  students_completed_count: number,
11  students_count: number,
12 }
13 ]

```

Get assessment topic questions

Endpoint	GET /visualization/assessments/<assessment id>/topics/<topic id>/questions/
ViewSet method	QuestionsTableViewSet .list
Front-end method	AssessmentService.getTopicQuestions(assessmentId: string, topicId: string)
Response	<pre> 1 [2 { 3 // Overall percentage of correct answers on this question on first students' t 4 correct_answers_percentage_first: number, 5 // Overall percentage of correct answers on this question on last students' tr 6 correct_answers_percentage_last: number, 7 has_attachment: boolean, 8 id: number, 9 order: number, 10 question_type: string, 11 title: string 12 } 13] </pre>

Get a single assessment topic question

Endpoint	GET /visualization/assessments/<assessment id>/topics/<topic id>/questions/<question id>/
ViewSet method	QuestionsTableViewSet .retrieve
Front-end method	AssessmentService.getQuestionDetails(assessmentId: any, topicId: any, questionId: any)
Response	<pre> 1 { 2 attachments: [3 { 4 attachment_type: string, 5 background_image: boolean, 6 file: string, 7 id: number, 8 question: number 9 } 10], 11 id: number, 12 order: number, 13 question_type: string, 14 title: string, 15 // + response for question type 16 } </pre>

The response for the question type varies and can be:

- Question select:

```

1 multiple: false,
2 options: [
3   {
4     attachments: [
5       {
6         attachment_type: string,
7         file: string,
8         id: number,
9         select_option: number
10      }
11    ]
12   id: number,
13   title: string,
14   valid: boolean,
15   value: string
16 }
17 ]

```

- Question input:

```
1 valid_answer: string
```

- Question numberline:

```

1 end: number,
2 expected_value: number,
3 show_ticks: boolean,
4 show_value: boolean,
5 start: number,
6 step: number

```

- Question drag and drop:

```

1 drop_areas:
2   {
3     height: string,
4     id: number,
5     name: string,
6     width: string,
7     x: string,
8     y: string
9   }
10 // draggable options info is obtained with another endpoint as we see in

```

i For the `attachments` object in the questions responses, only the required fields for each type/option were listed here. All available fields can be found in the [Attachments](#) model.

i For the drag and drop questions, the `draggable_options` info is obtained from another endpoint, as seen in [Questions Types - Technical view](#).

Assessments related features

i The Assessments page only displays visualization info about the assessments, therefore only ViewSets from `visualization/views.py` are used in this section. Endpoints related to the Assessments model and its basic operations (create, edit, delete) are available in the Assessment Builder section using the `AssessmentsViewSet` located in `assessments/views.py`.

Business logic

▼ Business logic

ViewSet	
Assessment	visualization.views. AssessmentTableViewSet
Topic	visualization.views. AssessmentTopicsTableViewset
Question	visualization.views. QuestionsTableViewset
Serializer	
Assessment	visualization.serializers. AssessmentTableSerializer
Topic	visualization.serializers. AssessmentTopicTableSerializer
Question	visualization.serializers. QuestionTableSerializer

Assessment builder - Technical view

- Overview
- Models and diagrams
- Front-end
 - Location
- Back-end
 - Assessment available endpoints
 - Assessment Builder related features
 - Business logic

Overview

The assessment builder feature is where teachers/supervisors are allowed to create, edit, delete and download assessments, topics and questions. Also supervisor's own assessments can be archived and public assessments are available for visualization and cloning in here.

Models and diagrams

- Assessment, Topic and Question models and diagrams

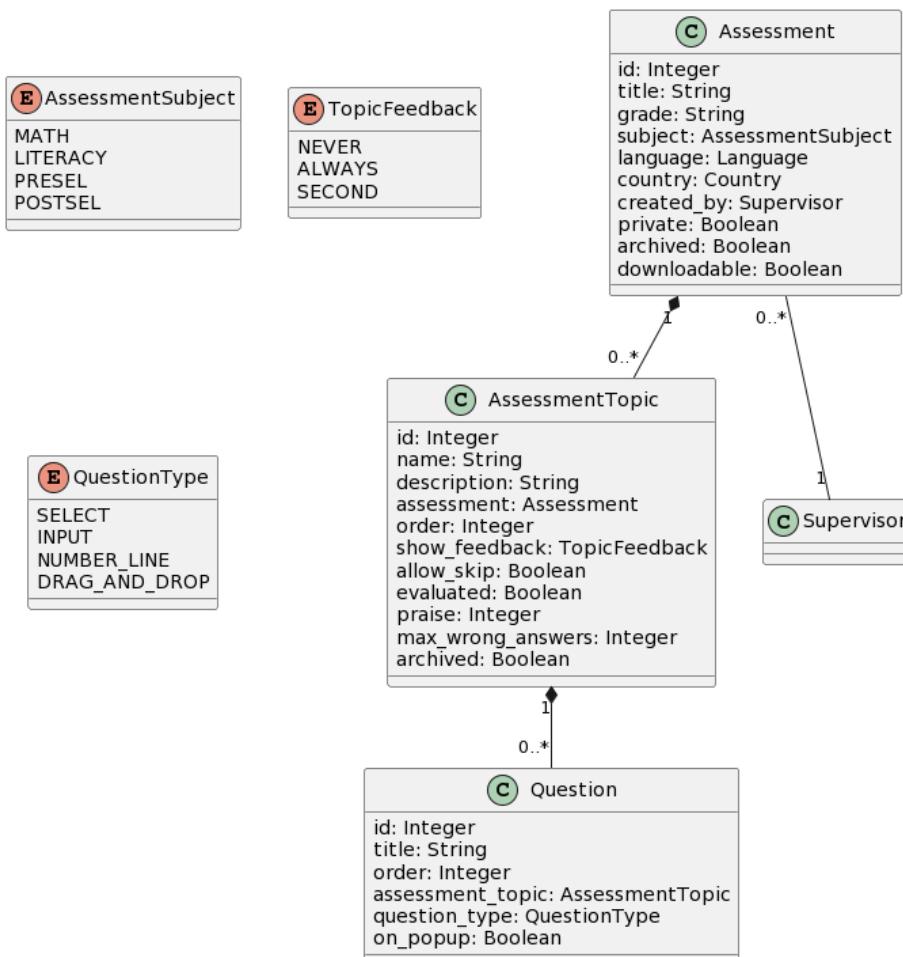


Diagram of the relation between Assessments, Topics and Questions models

The **Assessment**, **AssessmentTopic** and **Question** models are declared in `assessments/models.py`.

Supervisors can create as many **Assessments** as they want. **Assessments** are composed by **Assessment Topics**, which in its turn are composed of **Questions**.

Some important fields are:

Assessments	
private	Define if the assessment is public or not. Private assessments are only available to the supervisor who created them.
archived	If an assessment or topic is deleted, we instead want to archive it.
AssessmentTopic	
show_feedback	Define when a feedback should be shown to the student when they answer a question.
allow_skip	Define if the questions inside this topic can be skipped or not.
evaluated	Define if the topic is evaluated or not. If it isn't, it will be excluded from datasets concerning, for example, valid answers percentages computation.
praise	Define the average number of valid answers a student will have to submit before being shown a praise message. A certain degree of randomness is included in the Front-end so it is not too repetitive and predictable
max_wrong_answers	Define the maximum number of invalid or skipped answers an user can submit for a topic. Once exceeded, the active topic answer will be closed and the user redirected to homepage.
order	Topic order within your assessment
archived	If an assessment or topic is deleted, we instead want to archive it.
Question	
order	Question order within its topic
on_popup	Defined by the supervisor to choose if he wants the question in a modal on the Student's platform or not.

 Questions types models information can be found on the [Questions Types - Technical view](#) page.

Front-end

Location

The Assessment Builder section is split into 3 subsections:

- ▼ Your assessments

Your assessments

Assessment Builder

Sirius Bl

Your assessments

Literacy Assessment

- Grade: 7th
- Subject: Literacy
- Language: ENG
- Country: USA
- Private: true

Arts

- Grade: Kindergarten
- Subject: PreSel
- Language: ENG
- Country: USA
- Private: false

Add a topic +

Topic	Order	Description	Questions
Reading comprehension	1	Reading 1	(8 Questions)
Grammar	2	Grammar 1	(6 Questions)
Art Assessment #1	1	AA1	(3 Questions)
Art Assessment #2	2	AA2	(3 Questions)
Art Assessment #3	3	AA3 was AA1	(11 Questions)

Add assessments

Reorder Topics **Edit** **Archive** **Delete** **Download**

URL	/assessment-builder/your-assessments
Component	AssessmentBuilderComponent path: src/app/assessment-builder

Add / edit assessment dialog

Your assessments

Literacy Assessment

- Grade: 7th
- Subject: Literacy
- Language: ENG
- Country: USA
- Private: true

Arts

- Grade: Kindergarten
- Subject: PreSel
- Language: ENG
- Country: USA
- Private: false

Add a topic +

Topic	Order	Description	Questions
Reading comprehension	1	Reading 1	(8 Questions)
Grammar	2	Grammar 1	(6 Questions)
Art Assessment #1	1	AA1	(3 Questions)
Art Assessment #2	2	AA2	(3 Questions)
Art Assessment #3	3	AA3 was AA1	(11 Questions)

Add assessments

Reorder Topics **Edit** **Archive** **Delete** **Download**

Component	AssessmentFormDialogComponent
	path: src/app/assessment-builder/assessment-form-dialog

Assessment summary

 Literacy Assessment	Grade 7th	Subject Literacy	Language ENG	Country USA	Private true	Reorder Topics	Edit	Archive	Delete	Download																																															
<table border="1"> <tr> <td style="text-align: center; padding: 10px;">  Reading comprehension Reading 1 (8 Questions)   </td> <td style="text-align: center; padding: 10px;">  Grammar Grammar 1 (6 Questions)   </td> </tr> </table>											 Reading comprehension Reading 1 (8 Questions)  	 Grammar Grammar 1 (6 Questions)  																																													
 Reading comprehension Reading 1 (8 Questions)  	 Grammar Grammar 1 (6 Questions)  																																																								
Component	AssessmentSummaryComponent path: <code>src/app/assessment-builder/assessment-summary</code>																																																								
Available features	Add a topic, Reorder Topics, Edit, Archive, Delete, Download																																																								
Add a topic	TopicFormDialogComponent Your assessments <table border="1" style="margin-top: 10px;"> <tr> <td> Literacy Assessment</td> <td>Grade 7th</td> <td>Subject Literacy</td> <td>Language ENG</td> <td>Country USA</td> <td>Private true</td> <td>Reorder Topics</td> <td>Edit</td> <td>Archive</td> <td>Delete</td> <td>Download</td> </tr> <tr> <td colspan="11"> <table border="1"> <tr> <td style="text-align: center; padding: 10px;">  Add a topic + </td> <td style="text-align: center; padding: 10px;">  Reading comprehension Reading 1 (8 Questions)   </td> <td style="text-align: center; padding: 10px;">  Grammar Grammar 1 (6 Questions)   </td> </tr> </table> </td> </tr> <tr> <td> Arts</td> <td>Grade Kindergarten</td> <td>Subject PreSel</td> <td>Language ENG</td> <td>Country USA</td> <td>Private false</td> <td>Reorder Topics</td> <td>Edit</td> <td>Archive</td> <td>Delete</td> <td>Download</td> </tr> <tr> <td colspan="11" style="text-align: center;">  Art Assessment #1 1  Art Assessment #2 2  Art Assessment #3 3 </td> </tr> </table>										 Literacy Assessment	Grade 7th	Subject Literacy	Language ENG	Country USA	Private true	Reorder Topics	Edit	Archive	Delete	Download	<table border="1"> <tr> <td style="text-align: center; padding: 10px;">  Add a topic + </td> <td style="text-align: center; padding: 10px;">  Reading comprehension Reading 1 (8 Questions)   </td> <td style="text-align: center; padding: 10px;">  Grammar Grammar 1 (6 Questions)   </td> </tr> </table>											 Add a topic +	 Reading comprehension Reading 1 (8 Questions)  	 Grammar Grammar 1 (6 Questions)  	 Arts	Grade Kindergarten	Subject PreSel	Language ENG	Country USA	Private false	Reorder Topics	Edit	Archive	Delete	Download	 Art Assessment #1 1  Art Assessment #2 2  Art Assessment #3 3										
 Literacy Assessment	Grade 7th	Subject Literacy	Language ENG	Country USA	Private true	Reorder Topics	Edit	Archive	Delete	Download																																															
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 Arts	Grade Kindergarten	Subject PreSel	Language ENG	Country USA	Private false	Reorder Topics	Edit	Archive	Delete	Download																																															
 Art Assessment #1 1  Art Assessment #2 2  Art Assessment #3 3																																																									
path: <code>src/app/assessment-builder/topic-form-dialog</code>																																																									
Reorder Topics	<table border="1" style="margin-top: 10px;"> <tr> <td> Arts</td> <td>Grade Kindergarten</td> <td>Subject PreSel</td> <td>Language ENG</td> <td>Country USA</td> <td>Private false</td> <td>Reorder Topics</td> <td>Edit</td> <td>Archive</td> <td>Delete</td> <td>Download</td> </tr> <tr> <td colspan="11"> <table border="1"> <tr> <td style="text-align: center; padding: 10px;">  Add a topic + </td> <td style="text-align: center; padding: 10px;">  Art Assessment #1 AA1 (3 Questions)   </td> <td style="text-align: center; padding: 10px;">  Art Assessment #2 AA2 (3 Questions)   </td> <td style="text-align: center; padding: 10px;">  Art Assessment #3 AA3: was AA1 (11 Questions)   </td> </tr> </table> </td> </tr> </table>										 Arts	Grade Kindergarten	Subject PreSel	Language ENG	Country USA	Private false	Reorder Topics	Edit	Archive	Delete	Download	<table border="1"> <tr> <td style="text-align: center; padding: 10px;">  Add a topic + </td> <td style="text-align: center; padding: 10px;">  Art Assessment #1 AA1 (3 Questions)   </td> <td style="text-align: center; padding: 10px;">  Art Assessment #2 AA2 (3 Questions)   </td> <td style="text-align: center; padding: 10px;">  Art Assessment #3 AA3: was AA1 (11 Questions)   </td> </tr> </table>											 Add a topic +	 Art Assessment #1 AA1 (3 Questions)  	 Art Assessment #2 AA2 (3 Questions)  	 Art Assessment #3 AA3: was AA1 (11 Questions)  																					
 Arts	Grade Kindergarten	Subject PreSel	Language ENG	Country USA	Private false	Reorder Topics	Edit	Archive	Delete	Download																																															
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 Add a topic +	 Art Assessment #1 AA1 (3 Questions)  	 Art Assessment #2 AA2 (3 Questions)  	 Art Assessment #3 AA3: was AA1 (11 Questions)  																																																						

▼ Public assessments

Public assessments

Assessment Builder

Sirius Black

Dashboard	Public assessments	Add assessments
Students		
Groups		
Assessments		
Assessment Builder		
ur assessments		
blic assessments		
chived assessments		

Music Grade 4th Subject PreSel Language ARA Country JOR Private false

Download Create a copy

Remu's Topic #1 (3 Questions)

URL	/assessment-builder/public-assessments
Component	AssessmentBuilderComponent path: src/app/assessment-builder

Add assessment dialog

Public assessments

Add assessments

Music	Grade	Subject	Language	Country	Private
4th	PreSel	ARA	JOR	false	

Download Create a copy

Remu's Topic #1 (3 Questions)

Component	AssessmentFormDialogComponent path: src/app/assessment-builder/assessment-form-dialog
-----------	-------------------------------------------------------------------------------------------------

Assessment summary

Music Grade 4th Subject PreSel Language ARA Country JOR Private false

Download Create a copy

Remu's Topic #1 (3 Questions)

Component AssessmentSummaryComponent

path: `src/app/assessment-builder/assessment-summary`

Available features Download, Create a copy

- Archived assessments

Archived assessments

The screenshot shows the 'Archived assessments' section of the Assessment Builder. On the left is a sidebar with navigation links: Dashboard, Students, Groups, Assessments, Assessment Builder, Current assessments, Public assessments, and Archived assessments. The main area displays a table for 'Calculus Assessment'. The table includes columns for Grade (12th), Subject (Math), Language (ENG), Country (USA), and Private (false). Below the table are four cards representing assessment topics: Algebra (12 questions), Geometry (0 questions), Assessment Topic #3 (0 questions), and Assessment Topic #4 (0 questions). Each card has edit and delete icons.

Grade	Subject	Language	Country	Private
12th	Math	ENG	USA	false

Add a topic +

Algebra 1
(12 Questions)

Geometry 1
(0 Questions)

Assessment Topic #3
was the AA1, it was created from...
(0 Questions)

Assessment Topic #4
was the AA2, it was created from...
(0 Questions)

Unarchive Delete Download

URL `/assessment-builder/archived-assessments`

Component `AssessmentBuilderComponent`

path: `src/app/assessment-builder`

Add assessment dialog

The screenshot shows the 'Add assessment' dialog. It has a header 'Archived assessments' and a 'Add assessment' button. The main area displays a table for 'Calculus Assessment'. The table includes columns for Grade (12th), Subject (Math), Language (ENG), Country (USA), and Private (false). Below the table are four cards representing assessment topics: Algebra (12 questions), Geometry (0 questions), Assessment Topic #3 (0 questions), and Assessment Topic #4 (0 questions). Each card has edit and delete icons.

Grade	Subject	Language	Country	Private
12th	Math	ENG	USA	false

Add a topic +

Algebra 1
(12 Questions)

Geometry 1
(0 Questions)

Assessment Topic #3
was the AA1, it was created from...
(0 Questions)

Assessment Topic #4
was the AA2, it was created from...
(0 Questions)

Unarchive Delete Download

Component `AssessmentFormDialogComponent`

path: `src/app/assessment-builder/assessment-form-dialog`

Assessment summary

 Calculus Assessment	Grade 12th	Subject Math	Language ENG	Country USA	Private false	Unarchive	Delete	Download
Add a topic +	 Algebra Algebra 1 (12 Questions)	1	 Geometry Geometry 1 (0 Questions)	2				
	 		 					

Component	AssessmentSummaryComponent path: <code>src/app/assessment-builder/assesment-sumary</code>																		
Available features	Add a topic, Unarchive, Delete, Download																		
Add a topic	TopicFormDialogComponent Archived assessments <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;">  Calculus Assessment Grade 12th Subject Math Language ENG Country USA Private false Unarchive Delete Download </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"> Add topic +</td> <td> Algebra Algebra 1 (12 Questions)</td> <td>1</td> <td> Geometry Geometry 1 (0 Questions)</td> <td>2</td> <td> Assessment Topic #3 was the AA1, it was created from... (0 Questions)</td> <td>3</td> <td> Assessment Topic #4 was the AA2, it was created from... (0 Questions)</td> <td>4</td> </tr> <tr> <td></td> <td> </td> <td></td> <td> </td> <td></td> <td> </td> <td></td> <td> </td> <td></td> </tr> </table>	 Add topic +	 Algebra Algebra 1 (12 Questions)	1	 Geometry Geometry 1 (0 Questions)	2	 Assessment Topic #3 was the AA1, it was created from... (0 Questions)	3	 Assessment Topic #4 was the AA2, it was created from... (0 Questions)	4		 		 		 		 	
 Add topic +	 Algebra Algebra 1 (12 Questions)	1	 Geometry Geometry 1 (0 Questions)	2	 Assessment Topic #3 was the AA1, it was created from... (0 Questions)	3	 Assessment Topic #4 was the AA2, it was created from... (0 Questions)	4											
	 		 		 		 												
	path: <code>src/app/assessment-builder/topic-form-dialog</code>																		

Back-end

Assessment available endpoints

▼ Assessment available endpoints

Endpoints available in `AssessmentsViewSet` and located in `assessments/views.py`:

Create a new assessment	
Endpoint	POST /assessments/
Body	Form Data: <pre> 1 icon: file, 2 title: string, 3 grade: string, 4 subject: string, 5 language: string, 6 country: string, 7 private: boolean, 8 archived: boolean, 9 downloadable: boolean </pre>

ViewSet method	AssessmentsViewSet.create
Front-end method	AssessmentService.createAssessment(assessment: FormData)
Edit a assessment	
Endpoint	POST /assessments/<assessment id>/
Body	<p>Form Data:</p> <pre> 1 icon: file, 2 title: string, 3 grade: string, 4 subject: string, 5 language: string, 6 country: string, 7 private: boolean, 8 archived: boolean, 9 downloadable: boolean </pre>
ViewSet method	AssessmentsViewSet.update
Front-end method	AssessmentService.editAssessment(assessmentId: string, assessment: any)
Get all assessments allowed to the current supervisor	
Endpoint	GET /assessments/
ViewSet method	AssessmentsViewSet.list
Delete assessment	
Endpoint	DELETE /assessments/<assessment id>/
ViewSet method	AssessmentsViewSet.destroy
Front-end method	AssessmentService.deleteAssessment(id: string)

Assessment Builder related features

Assessment Builder related features

The **GET** endpoints of the `visualization` module that are used to display information on the Assessment Builder page of ViewSets in `visualization/views.py`:

Get all assessments allowed to the current supervisor

Endpoint	GET /visualization/assessments/
ViewSet	AssessmentTableViewSet
Front-end method	AssessmentService.getAssessmentsList(filteringParams?: object)

Get assessment details

Endpoint	GET /visualization/assessments/<assessment id>/
ViewSet	AssessmentTableViewSet
Front-end method	AssessmentService.getAssessmentDetails(id: string)

Get assessment topics	
Endpoint	GET /visualization/assessments/{assessment id}/topics/
ViewSet	AssessmentTopicsTableViewset
Front-end method	AssessmentService.getAssessmentTopics(id: string)

- Endpoints used on the Assessment Builder page to handle topics and downloads:

Delete topic	
Endpoint	DELETE /assessments/<assessment id>/topics/<topic id>/
ViewSet	assessments.views.AssessmentTopicsViewSet
Front-end method	AssessmentService.deleteTopic(assessmentId: string, topicId: string)
Edit topic to archive it	
Endpoint	PUT /assessments/<assessment id>/topics/<topic id>/
Body	Form Data: 1 archived: boolean
ViewSet	assessments.views.AssessmentTopicsViewSet
Front-end method	AssessmentService.editTopic(assessmentId: string, topicId: string, topic: any)
Add a topic	
Endpoint	POST /assessments/<assessment id>/topics/
Body	Form Data: 1 icon: file 2 name: string, 3 description: string, 4 show_feedback: number, 5 allow_skip: boolean, 6 evaluated: boolean, 7 praise: number, 8 max_wrong_answers: number, 9 order: number, 10 archived: boolean
ViewSet	assessments.views.AssessmentTopicsViewSet
Front-end method	AssessmentService.createTopic(id: string, topic: FormData)
Reorder topics	
Endpoint	PUT /assessments/<assessment id>/topics/reorder/
Body	1 { 2 topics: string[], // topics ids 3 assessment_id: string 4 }
ViewSet	assessments.views.AssessmentTopicsViewSet

Front-end method	AssessmentService.reorderTopics(assessmentId: string, data: any)
Get topic details	
Endpoint	GET /assessments/{assessment id}/topics/<topic id>/
ViewSet	assessments.views.AssessmentTopicsViewSet
Front-end method	AssessmentService.getAssessmentTopics(id: string)
Download Assessment PDF	
Endpoint	GET /export/assessments/<assessment id>/
ViewSet	export.views.AssessmentReportViewSet
Front-end method	AssessmentService.downloadPDF(assessmentId: string, topicId?: string, questionId?: string)

Business logic

- Assessments business logic

ViewSet	assessments.views.AssessmentsViewSet
Serializer	assessments.serializers.AssessmentSerializer

Topic Details - Technical view

- Overview
- Front-end
 - Location
- Back-end
 - Available endpoints
 - Related features
 - Business logic

Overview

The topic details feature enables teachers/supervisors to edit and download assessment topics, manage and preview questions and reorder them with an easy drag and drop functionality.

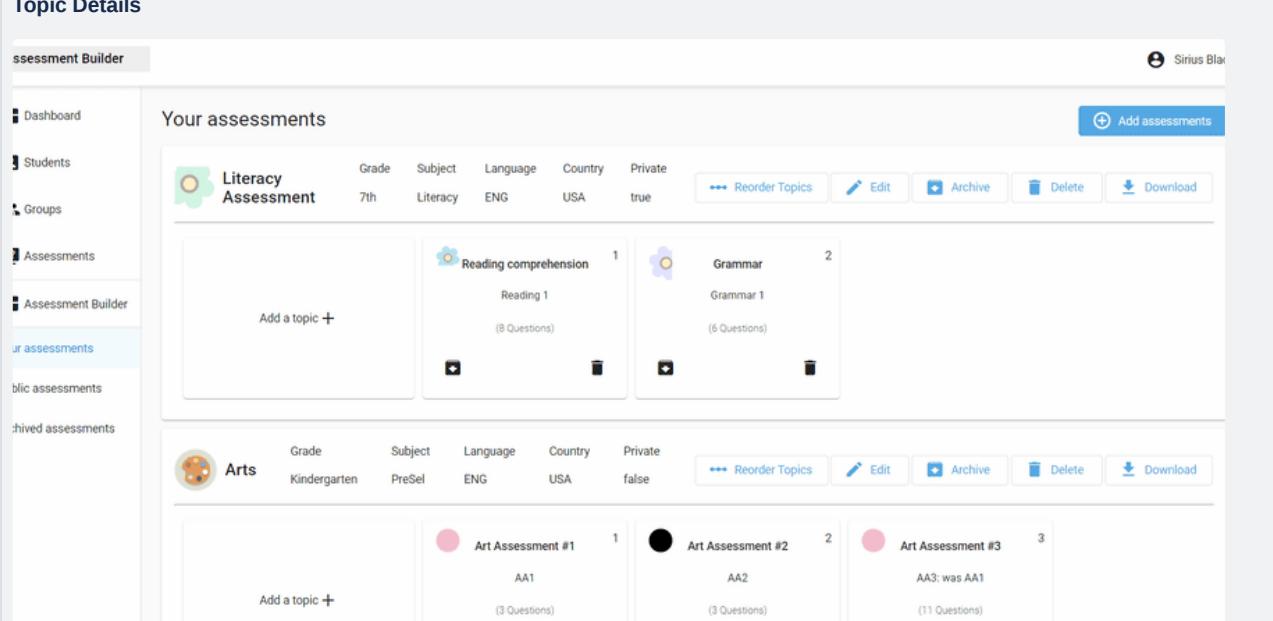
Front-end

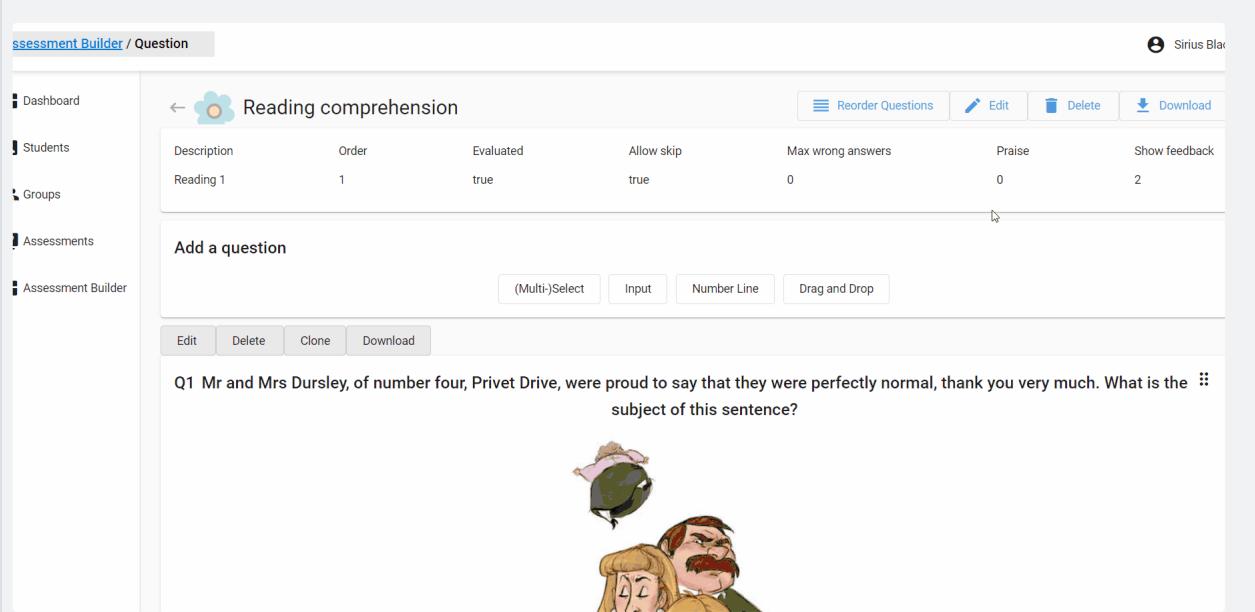
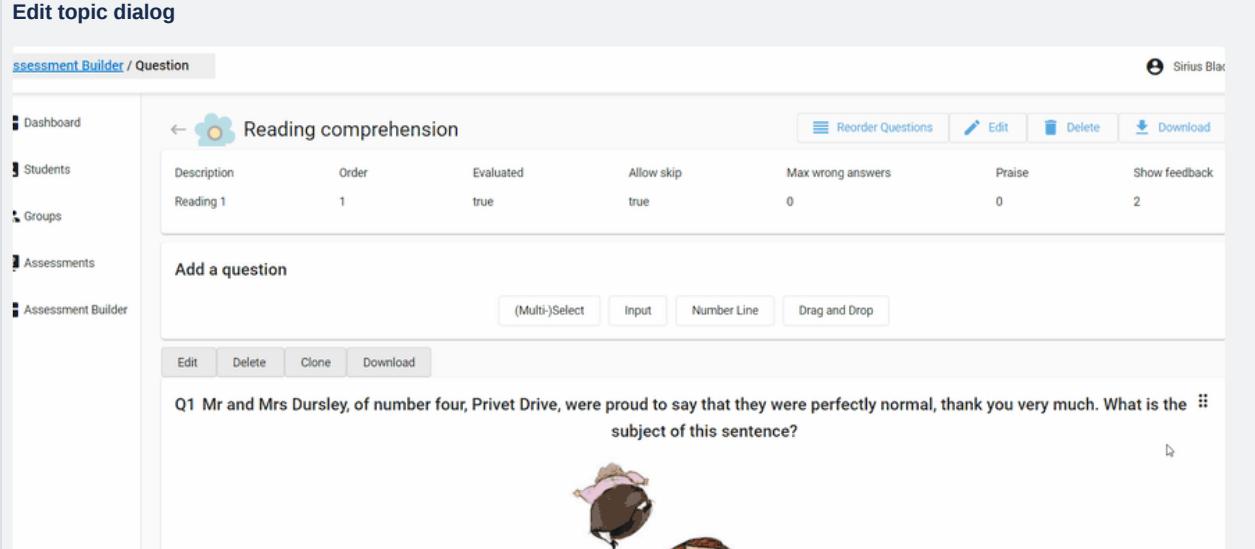
Location

- Assessment Builder → Topic Details

The **Topic Details** page can be accessed from any section of the Assessment Builder (Your assessments, Public assessments and Archived assessments) by clicking on the topic card inside the **Assessment Summary** card.

- Features available for supervisor topics accessed by `/assessment-builder/your-assessments` or `/assessment-builder/archived-assessment`:

Topic Details	
Assessment Builder	 <p>The screenshot shows the 'Topic Details' page within the 'Assessment Builder'. On the left, there's a sidebar with navigation links: Dashboard, Students, Groups, Assessments, Assessment Builder, Your assessments, Public assessments, and Archived assessments. The main area is titled 'Your assessments' and contains two cards:</p> <ul style="list-style-type: none">Literacy Assessment: Grade 7th, Subject Literacy, Language ENG, Country USA, Private true. It has a 'Reorder Topics' button, an 'Edit' button, an 'Archive' button, a 'Delete' button, and a 'Download' button. Below it, there's a card for 'Reading comprehension' (Reading 1, 8 Questions) and another for 'Grammar' (Grammar 1, 6 Questions). Both have edit and delete icons.Arts: Grade Kindergarten, Subject PreSel, Language ENG, Country USA, Private false. It has a 'Reorder Topics' button, an 'Edit' button, an 'Archive' button, a 'Delete' button, and a 'Download' button. Below it, there's a card for 'Art Assessment #1' (AA1, 3 Questions), 'Art Assessment #2' (AA2, 3 Questions), and 'Art Assessment #3' (AA3: was AA1, 11 Questions). Each has edit and delete icons.
URL	<code>/assessment-builder/your-assessments/<assessment id>/topics/<topic id></code> <code>/assessment-builder/archived-assessments/<assessment id>/topics/<topic id></code>
Component	TopicDetailsComponent path: <code>src/app/assessment-builder/topic-details</code>

Available topic features	Reorder Questions, Edit, Delete, Download
Reorder questions 	
Edit topic dialog	
Component	TopicFormDialogComponent path: <code>src/app/assessment-builder/topic-form-dialog</code>
<p>i Topics that have already been answered cannot be edited.</p>	

Questions features
Add a question

[Assessment Builder / Question](#)

Sirius Black

Dashboard	Reading comprehension						
Students	Description	Order	Evaluated	Allow skip	Max wrong answers	Praise	Show feedback
Groups	Reading 1	1	true	true	0	0	2
Assessments	Add a question						
Assessment Builder	<input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Clone"/> <input type="button" value="Download"/>						
JR assessments							
Public assessments							
Archived assessments							

(Multi-)Select Input Number Line Drag and Drop

Q1 Mr and Mrs Dursley, of number four, Privet Drive, were proud to say that they were perfectly normal, thank you very much. What is the subject of this sentence?

Components

Questions type components:

- QuestionSelectFormComponent**
path: `src/app/assessment-builder/questions/question-select-form`
- QuestionInputFormComponent**
path: `src/app/assessment-builder/questions/question-input-form`
- QuestionNumberlineFormComponent**
path: `src/app/assessment-builder/questions/question-numberline-form`
- QuestionDragAndDropFormComponent**
path: `src/app/assessment-builder/questions/question-drag-and-drop-form`

Available features Edit, Clone, Delete, Download

Edit / clone question dialog

[Assessment Builder / Question](#)

Sirius Black

Dashboard	Reading comprehension						
Students	Description	Order	Evaluated	Allow skip	Max wrong answers	Praise	Show feedback
Groups	Reading 1	1	true	true	0	0	2
Assessments	Add a question						
Assessment Builder	<input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Clone"/> <input type="button" value="Download"/>						
JR assessments							
Public assessments							
Archived assessments							

(Multi-)Select Input Number Line Drag and Drop

Q1 Mr and Mrs Dursley, of number four, Privet Drive, were proud to say that they were perfectly normal, thank you very much. What is the subject of this sentence?

Correct answer: Mr and Mrs Dursley

Component

Questions type components:

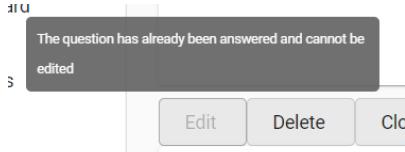
QuestionSelectFormComponent

```

path: src/app/assessment-builder/questions/question-select-form
QuestionInputFormComponent
path: src/app/assessment-builder/questions/question-input-form
QuestionNumberlineFormComponent
path: src/app/assessment-builder/questions/question-numberline-form
QuestionDragAndDropFormComponent
path: src/app/assessment-builder/questions/question-drag-and-drop-form

```

- Questions that have already been answered cannot be edited.



- Features available for public topics:

Topic Details

URL	/assessment-builder/public-assessments/<assessment id>/topics/<topic id>
Component	TopicDetailsComponent
	path: src/app/assessment-builder/topic-details
Available features	Download topic and download question

Back-end

Available endpoints

- Topics available endpoints

Endpoints available in `AssessmentTopicsViewSet` and located in `assessments/views.py`:

Edit topic	
Endpoint	POST /assessments/<assessment id>/topics/<topic id>/
Body	<p>Form Data:</p> <pre> 1 icon: file, 2 name: string, 3 description: string, 4 show_feedback: number, 5 allow_skip: true, 6 evaluated: true, 7 praise: number, 8 max_wrong_answers: number, 9 order: number, 10 archived: true </pre>
ViewSet method	<code>AssessmentTopicsViewSet.update</code>
Front-end method	<code>AssessmentService.editTopic(assessmentId: string, topicId: string, topic: any)</code>
Delete topic	
Endpoint	DELETE /assessments/<assessment id>/topics/<topic id>/
ViewSet method	<code>AssessmentTopicsViewSet.destroy</code>
Front-end method	<code>AssessmentService.deleteTopic(assessmentId: string, topicId: string)</code>
Get a single topic	
Endpoint	GET /assessments/<assessment id>/topics/<topic id>/
ViewSet method	<code>AssessmentTopicsViewSet.retrieve</code>
Front-end method	<code>AssessmentService.getTopicDetails(assessmentId: string, topicId: string)</code>
Add a topic	
Endpoint	POST /assessments/<assessment id>/topics/
Body	<p>Form Data:</p> <pre> 1 icon: file 2 name: string, 3 description: string, 4 show_feedback: number, 5 allow_skip: boolean, 6 evaluated: boolean, 7 praise: number, 8 max_wrong_answers: number, 9 order: number, 10 archived: boolean </pre>
ViewSet method	<code>AssessmentTopicsViewSet.create</code>
Front-end method	<code>AssessmentService.createTopic(id: string, topic: FormData)</code>

Related features

Related features

- Endpoints used on the Topics Details page to handle questions and assessments details:

Get assessment details	
Endpoint	GET /visualization/<assessment id>/
ViewSet	visualization.views.AssessmentTableViewSet
Front-end method	AssessmentService.getAssessmentDetails(id: string)
Get questions list	
Endpoint	GET /assessments/<assessment id>/topics/<topic id>/questions/
ViewSet	assessments.views.QuestionsViewSet
Front-end method	AssessmentService.getQuestionsList(assessmentId: string, topicId: string)
Delete question	
Endpoint	DELETE /assessments/<assessment id>/topics/<topic id>/questions/<question id>/
ViewSet	assessments.views.QuestionsViewSet
Front-end method	AssessmentService.deleteQuestion(assessmentId: string, topicId: string, questionId: string)
Reorder questions	
Endpoint	PUT /assessments/<assessment id>/topics/<topic id>/questions/reorder/
Body	<pre> 1 { 2 questions: string[], // questions ids 3 assessment_topic: string 4 }</pre>
ViewSet	assessments.views.QuestionsViewSet
Front-end method	AssessmentService.reorderQuestions(assessmentId: string, topicId: string, data: any)
Download Topic PDF	
Endpoint	GET /export/assessments/<assessment id>/topics/<topic id>/
ViewSet	export.views.AssessmentTopicReportViewSet
Front-end method	AssessmentService.downloadPDF(assessmentId: string, topicId?: string, questionId?: string)
Download Question PDF	
Endpoint	GET /export/assessments/<assessment id>/topics/<topic id>/questions/<question id>/
ViewSet	export.views.QuestionReportViewSet
Front-end method	AssessmentService.downloadPDF(assessmentId: string, topicId?: string, questionId?: string)

i More questions requests and endpoints information can be found on the [Questions Types - Technical view](#) page.

Business logic

▼ Topics business logic

ViewSet	assessments.views.AssessmentTopicsViewSet
Serializer	assessments.serializers.AssessmentTopicSerializer

Questions Types - Technical view

A brief description of the feature

- ⓘ Use /info to add infotip, it is possible to change the nature of the info by clicking anywhere in this box and changing the icon, obtaining the following examples:



It is also possible to remove the emoji and change the colour of the background

- Location
- Quick start / Basic usage
- Feature description
 - feature 1
 - feature 2

Location

Where to find the feature

▼ Title

Quick start / Basic usage

Quick tutorial to use

- A
- B
- C

Feature description

feature 1	
feature 2	

Students platform - Technical view

Assessments & topics

- Overview
- Front-End
 - Location
 - Browser storage
- Backend
 - Available endpoints
 - Business logic

Overview

The assessments and topics feature allows students to answer their assigned assessments and progress on their learning course.

Front-End

Location

▼ Assessments

**Fulano**


 **131**

 **14**



Hi, Fulano !

 **assessment #1** 

 **assessment #2** 

 **assessment #3** 

 **assessment #4** 

 **assessment #6** 

URL	/ (home page)
Component	AssessmentsComponent

▼ Topics

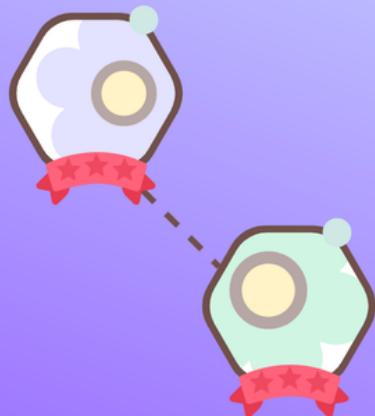


Mike



0

0

**First assessment****Website location**

Accessed by clicking on an Assessment on the home (/ assessments) page.



Anthony



10

4



Hi, Anthony !



Assessment #1

2 / 3



Assessment #2

0 / 1

URL

/assessments/<assessment subject type>/<assessment id>

Component

AssessmentsComponent

path: `src/app/home/components/assessments`

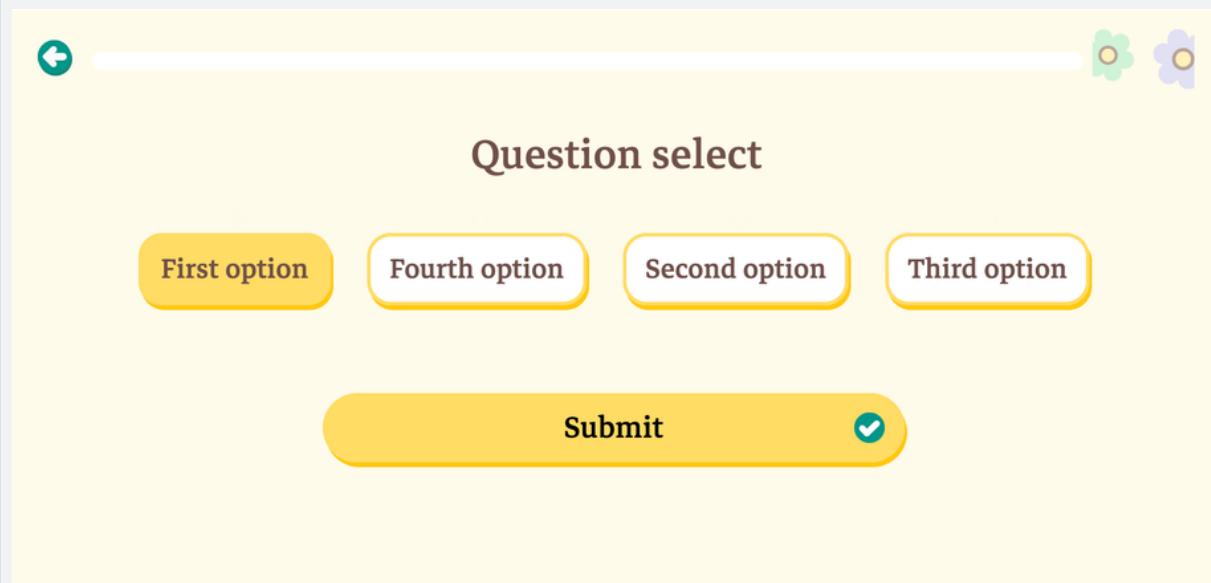
▼ Questions

All question types share the same parent component **QuestionComponent**, which can be found in `src/app/home/assessment/topic/components/question`. Data is usually handled in this parent component. They are accessed on the website by clicking on a topic icon.

Within a topic, all questions will appear at URLs of the following format:

`/assessments/math/<assessment id>/topics/<topic id>/questions/<question id>`

Question Select

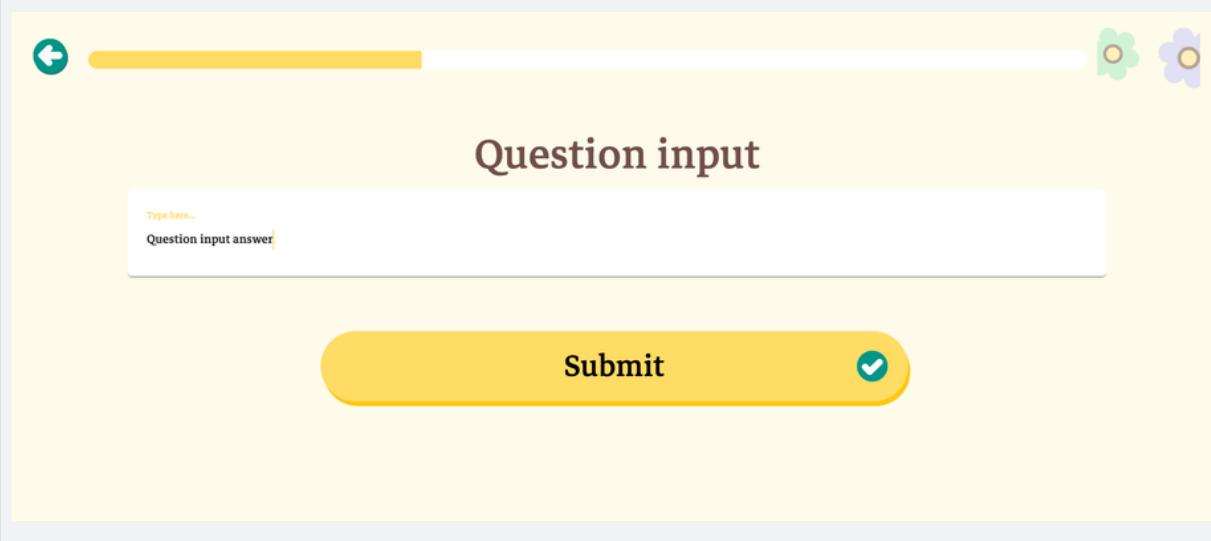


Component

QuestionSelectComponent

path: `src/app/home/assessment/topic/components/question-select/`

Question input

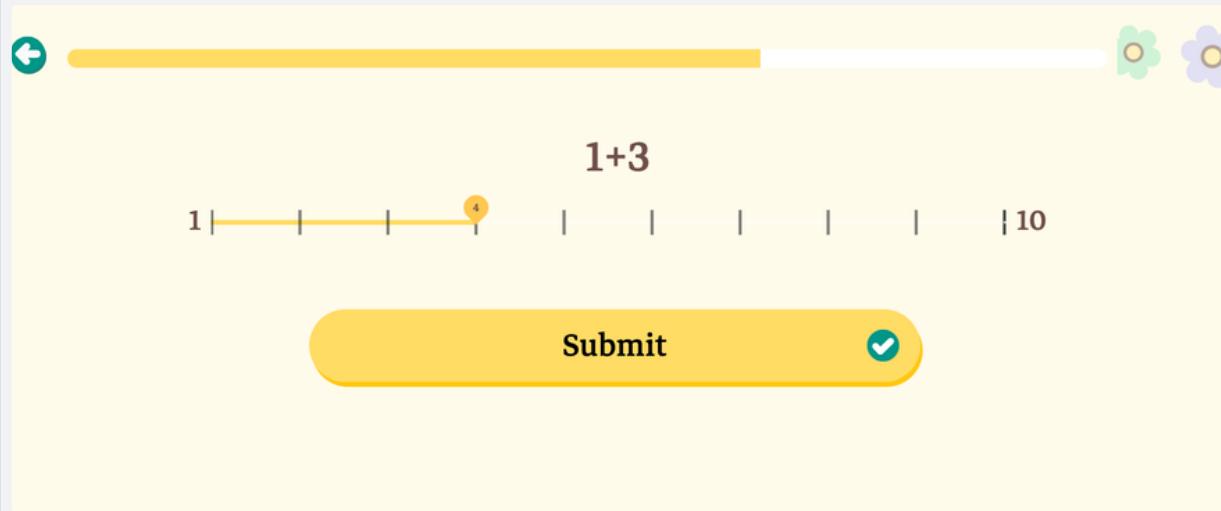


Component

QuestionInputComponent

path: `src/app/home/assessment/topic/components/question-input/`

Question numberline



Component

`QuestionNumberLineComponent`

path: `src/app/home/assessment/topic/components/question-number-line/`

Question Drag and Drop



Component

`QuestionDragAndDropComponent`

path: `src/app/home/assessment/topic/components/question-drag-and-drop`

Browser storage

Angular service handler	IndexedDB key name	Description
See backend sections for models, serializers and view explanations		
AssessmentService	'assessments'	Stores data fetched via <code>GET /assessments/get_all/</code>
AnswerService	'session'	Equivalent of the model <code>AnswerSession</code>
	'topic-answer'	Equivalent of the model <code>AssessmentTopicAnswer + Answer</code>

Backend

Available endpoints

▼ Available endpoints	
Fetch all assessments, their topics and questions for the current student	
Endpoint	<code>GET /assessments/get_all/</code>
ViewSet method	<code>AssessmentsViewSet.get_all</code>
Submit student topic answer	
Endpoint	<code>POST /answers/<student_id>/topics/create_all/</code>
ViewSet method	<code>AssessmentTopicAnswersViewSet.create_all</code>
Get student answers for topic	
Endpoint	<code>GET /answers/<student_id>/topics/</code>
ViewSet method	<code>AssessmentTopicAnswersViewSet.list</code>
Query parameters (optional)	<code>complete</code> → filters the results depending if this field is true or not. <code>topic_access__topic</code> → filters the results based on topic id.
Get draggable options for drag and drop questions	
Endpoint	<code>GET /assessments/<assessment_id>/topics/<topic_id>/questions/<question_id>/draggable/</code>
ViewSet method	<code>DraggableOptionsViewSet.list</code>

Business logic

▼ Fetch assessments, topics and their questions for current student	
ViewSet method	<code>assessments.views.AssessmentViewSet.get_all</code>
Serializer	<code>assessments.serializers.AssessmentDeepSerializer</code>

Models

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E QuestionType

SELECT

SORT

INPUT

NUMBER_LINE

DRAG_AND_DROP

FIND_HOTSPOT

```
:assessmentTopic  
:ionType
```

```
ment
```

```
:attachmentType
```

```
pic
```

```
boolean
```

```
:Option
```

```
:ion
```

```
:taggableOption
```

The **Assessment** model is declared in `assessments/models.py`.

Some of its noteworthy fields are:

- `created_by` : many-to-one relationship to a 'Supervisor' **User** type (several assessments can belong to one supervisor)

It is pointed at by the **AssessmentTopic** model, through a many-to-one relationship (several topics can belong to one assessment).

The Assessment topic model is then itself pointed at by a many-to-one relationship in the **Question** model (one topic can have several questions).

- Register all student answers stored in the Front-End

ViewSet method	answers.views.AssessmentTopicAnswersViewSet.create_all
Serializer	answers.serializers. AssessmentTopicAnswerSerializer
Models	<pre> classDiagram class Student { <<C>> } class AnswerSession { <<C>> id: Integer start_date: Date end_date: Date student: Student duration: duration (@property) } class AssessmentTopicAnswer { <<C>> id: Integer topic_access: AssessmentTopicAccess complete: Boolean start_date: Date end_date: Date session: AnswerSession duration: duration (@property) student: Student (@property) } class Question { <<C>> } class Answer { <<C>> id: Integer topic_answer: AssessmentTopicAnswer question: Question duration: duration valid: Boolean date: Date (@property) student: Student (@property) } Student "1" -- "0..*" AnswerSession AnswerSession "1" -- "1..*" AssessmentTopicAnswer Question "1" -- "0..*" Answer AssessmentTopicAnswer "1" -- "0..*" Answer </pre> <p>The diagram illustrates the relationships between five models:</p> <ul style="list-style-type: none"> Student: A class with a one-to-many relationship (multiplicity 0..*) named "AnswerSession" pointing to AnswerSession. AnswerSession: A class with a many-to-one relationship (multiplicity 1) named "AssessmentTopicAnswer" pointing to AssessmentTopicAnswer. Question: A class with a many-to-one relationship (multiplicity 0..*) named "Answer" pointing to Answer. AssessmentTopicAnswer: A class with a many-to-one relationship (multiplicity 0..*) named "Answer" pointing to Answer. Answer: A class with a many-to-one relationship (multiplicity 1) named "topic_answer" pointing to AssessmentTopicAnswer.

The **Answer**, **AssessmentTopicAnswer**, and **AnswerSession** models are declared in `answers/models.py`.

Answer is the model representing answers to one question. It has a many-to-one relationship pointing to the **Question** model (one question can have several answers from several students), and a many-to-one relationship to the model **AssessmentTopicAnswer**.

AssessmentTopicAnswer represents a group of answers for one topic. It points through a many-to-one relationship to the **AnswerSession** model.

Lastly the **AnswerSession** represents a span of time within which a student has answered to topics.

All 3 models **Answer**, **AssessmentTopicAnswer** and **AnswerSession** possess a multi-to-one relationship to students.

Praises

- [Overview](#)
- [Front-End](#)
 - [Location](#)
 - [Logic](#)
 - [Conditional display](#)
 - [Asset types](#)

Overview

Praises are images and animations semi-randomly displayed to students when they answer a question correctly inside a topic.

Front-End

Location

▼ Location

Conditional display logic	Component	QuestionComponent path: <code>src/app/home/assessment/topic/components/question</code>
	Method	<code>QuestionComponent.showPraise()</code>
Praise modal	Component	PraiseDialogComponent path: <code>src/app/home/assessment/topic/components/praise/praise-dialog</code>
Assets	Reference	path: <code>src/app/home/assessment/topic/components/praise/praise-dictionnary.ts</code>
	Asset files	Audio paths: <code>src/assets/audios/praise</code> Visual assets paths: <code>src/assets/praise</code>

Logic

Conditional display

The probability of praises occurring is closely related to the praise value provided when creating the topic on the admin platform:

```
praiseProbability = Math.ceil(Math.random() * (this.topic.praise))
```

When `praiseProbability` equals 1 the praise dialog is displayed.

The assets shown inside of the praise dialog are then determined semi-randomly.

Asset types

Animation	Video file	The video file used for animations must have a transparent background. The only formats that currently support transparent backgrounds are FLV , F4V , AVI , MOV and WEBM . MP4 won't work.
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Within `praise.dictionary.ts`, you might need to specify different fallback formats for the same animation, because of inconsistent browser support, like so:

```
1  {
2      text: 'topics.praise.praise1',
3      audio: 'praise/Praise1.ogg',
4      animation: {
5          src: {
6              mov: '/assets/praise/animations/gobee-animation.edited.mov',
7              webm: '/assets/praise/animations/Gobee-ani 2_1.webm',
8              mp4: '/assets/praise/animations/Gobee-ani 2_1.mp4'
9          }
10     }
11 },
```

The praise dialog will switch to the subsequent formats specified within the `src` object if the first one(s) is(are) not well supported.

Spritesheet

It is otherwise possible to use a spritesheet to display an animation. If you use this method, keep in mind that sprites must be laid out horizontally without additional padding within the spritesheet, and all frames must have the same size.

You can then specify the frame count in `praise.dictionary.ts` like so:

```
1  {
2      text: 'topics.praise.praise14',
3      audio: 'praise/Praise14.ogg',
4      animation: {
5          src: '/assets/praise/animations/flower_animated.png',
6          frameCount: 46,
7          loop: false
8      }
9 },
```

Image

Within `praise.dictionary.ts`, specify an `image` field with the image source:

```
1  {
2      text: 'topics.praise.praise14',
3      image: './src/assets/praise/icons/bee-honey.png',
4      audio: 'praise/Praise14.ogg'
5 },
```

Audio

Within `praise.dictionary.ts`, specify an `audio` field with the audio source:

```
1  {
2      text: 'topics.praise.praise14',
3      image: './src/assets/praise/icons/bee-honey.png',
4      audio: 'praise/Praise14.ogg'
5 },
```

Automated login

Overview

Automated login enables student's to directly access the platform or login into platform using the url without manually inserting the code.

Code

auth.guard.ts :- Added check if code is present when attempting to login we first force logout then continue navigation.

```
'(route.path.includes('auth')) {
  const queryParams = this.router.getCurrentNavigation().extractedUrl.queryParams;
  const {code} = queryParams as { code?: string };
  if (!code && LoginCodeRegex.test(code)) { // if a valid code is passed in queryParams then we force logout the existing student
    this.authService.logout( preventNavigate: true);
    return true;
  }
  if (this.authService.isAuthenticated) {
    return this.router.parseUrl( url: '' );
  }
}'
```

auth.component.ts :- Created a function that will check if code is present as query param then we insert it into input and try to submit the form.

```
private handleAutoLogin(): void {
  this.activatedRoute.queryParams.pipe(
    map( project: {[code]} => code),
    filter(Boolean)
  ).subscribe( next: code => {
    this.authForm.patchValue( value: { code });
    this.onSubmit();
  });
}
```

Text-to-Speech asset generation

In order to generate English, Arabic, and French audio assets from text, the script located under `/scripts/text-to-speech` can be used.

This tool utilizes Google Cloud's Text-to-Speech API, so in order to use it you need to have activated the Text-To-Speech API and created a service account for a Google Cloud project, all of which is explained [here](#).

Setup

Google Cloud authentication

1. Download a JSON key for your service account

2. Create a `.env` file in `/scripts/text-to-speech`, with the following content:

```
GOOGLE_APPLICATION_CREDENTIALS=<path to the downloaded service account key>
```

Dependencies

Run `npm i` to install the script's dependencies.

Usage

To start the script run `npm start`.

You will first be prompted with the path to the directory in which you want the assets to be generated (if you press *Enter*, the path will default to `/script/text-to-speech/output`):

```
Generate mp3 audio assets from text:  
? Path to the output directory: ./output
```

i The directory you choose stays the same for all assets generated within one script execution (you would have to restart the script to change the destination in which the next assets will be generated)

Then follow the next prompts in order to generate the first asset:

```
? Path to the output directory: ./output  
? Select a language: English  
? Text to synthesize: The text inputed here will be synthesized into audio  
? Filename of the generated asset: asset_filename  
Audio content written to file: output/asset_filename.mp3
```

Finally, you will be prompted with a 'Continue' prompt:

```
? Continue? (y/N) y
```

Press *y* then *Enter* if you wish to generate another asset within the specified directory, or *n* then *Enter* to stop the script.

Data transfer

To create fixtures from the current populated database and load it into another database:

Create the data

In a terminal, after securing the SSH key

```
1 ssh -i ~/.ssh/assessment_tool_api.pem azureadmin@assessment-tool-api.westeurope.cloudapp.azure.com
```

This will connect you to the Azure prod server

Export the data

In the backend where you want to export the data run:

```
1 docker-compose run --rm web python manage.py dumpdata --format=json --indent 4 > data.json
```

This will create a fixture JSON file named `data.json` with the selected indentation of 4 spaces of all data in the database.

- **Export a specific app**

The following command will export the data in the `assessments` app into `data.json` file:

```
1 docker-compose run --rm web python manage.py dumpdata assessments --format=json --indent 4 > data.json
```

- **Export a specific table**

The following command will export only the data in `assessments.assessment` table into `data.json` file:

```
1 docker-compose run --rm web python manage.py dumpdata assessments.assessment --format=json --indent 4 > data.json
```

- **Exclude apps and/or tables of the backup**

You can use `--exclude` option to specify apps/tables which don't need to be exported:

```
1 docker-compose run --rm web python manage.py dumpdata --exclude answers --format=json --indent 4 > data.json
```

- **How to import only assessments related things for Production**

You can use `--exclude` option to specify apps/tables which don't need to be exported:

```
1 sudo docker-compose run --rm web python manage.py dumpdata assessments --exclude assessments.topic --exclude asse
```

Import the data

In the backend where you want to load the fixture run:

```
1 docker-compose run --rm web python manage.py loaddata data
```

Export the data from Prod to local

In a terminal

```
1 scp -i ~/.ssh/assessment_tool_api.pem azureadmin@assessment-tool-api.westeurope.cloudapp.azure.com:/home/azureadm
```

System access

A brief description of the feature

- ⓘ Use /info to add infotip, it is possible to change the nature of the info by clicking anywhere in this box and changing the icon, obtaining the following examples:



It is also possible to remove the emoji and change the colour of the background

- Location
- Quick start / Basic usage
- Feature description
 - UAT - Student

Location

Where to find the feature

▼ Title

Quick start / Basic usage

Quick tutorial to use

- A
- B
- C

Feature description

Same credentials:

admin

raT28MBCMTA

UAT - Admin	https://glmt-admin.development.humanitarian.tech/auth
UAT - Student	https://glmt-main.development.humanitarian.tech/auth
UAT - API	https://glmt-api.development.humanitarian.tech/admin/login/?next=/admin/

Technical specs & infos

Frontend : Angular CLI

Backend : Django Python

Database: PostgreSQL

Hosting :

- POSTGRESQL as a service: [Azure Database for PostgreSQL | Microsoft Azure](#)
- Backend: either on a VM or on a Docker service (Azure Container Instance): [Azure Container Instances documentation - serverless containers, on demand](#)
- Frontend: Static files service through CDN
- CDN: Azure CDN or Cloudflare

Deployment:

- CI/CD: set up with Gitlab CI/CD

Devices: Optimized for 10 inches android tablets, compatible with computers, android/apple smartphones (5-6 inches)

Browsers: Optimized on google chrome, compatible with Safari, Firefox and Brave.