

Physiology quiz user manual - Teacher and Administrator

This document contains all the required information on how to use the website as a Teacher or Administrator.

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| | |
|--|----|
| How to read this manual | 4 |
| Teacher | 5 |
| Start quiz (Teacher) | 6 |
| Quiz History (Teacher) | 10 |
| Teacher Panel | 11 |
| Teacher panel - groups (teacher and admin) | 14 |
| Teacher panel > groups > group details (teacher and admin) | 18 |
| Admin panel (admin only) | 23 |
| Admin panel > Groups list | 24 |
| Admin panel > Create teacher | 25 |
| Admin panel > All users | 28 |
| Flashcards (Teacher and Admin) | 33 |
| Tutorial - Admin and Teacher | 38 |
| End | 39 |

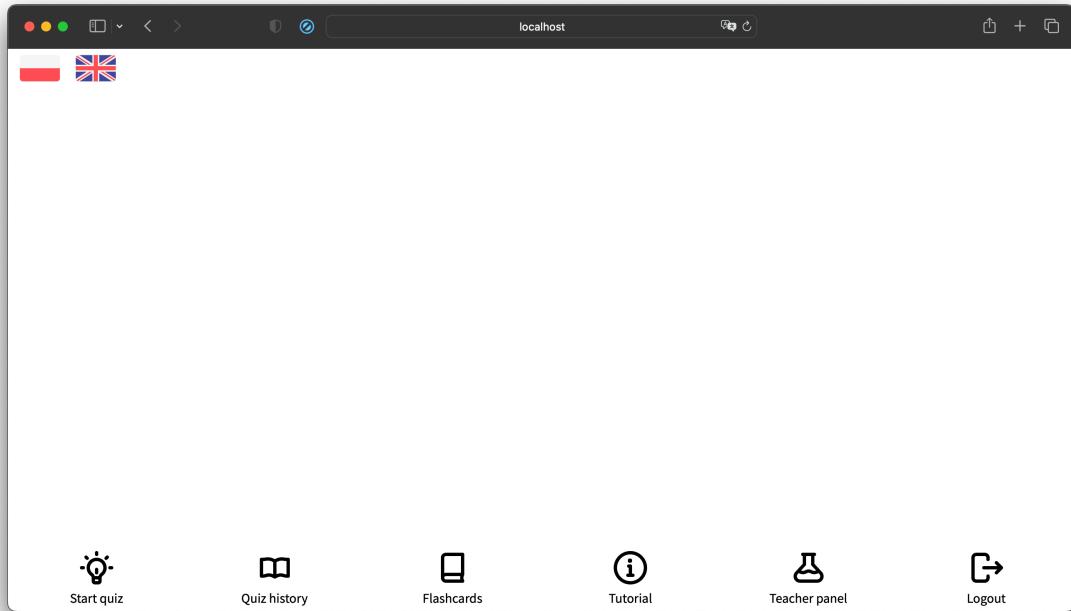
How to read this manual

The document will be split into two main parts for each role described:
Teacher and Administrator.

Each page will have a dedicated functionality which will be described in detail. In the latter sections of the document, functionalities that are present in both roles will be described to avoid duplication of the manual instructions.

Teacher

The main functionalities of the teacher are visible in the bottom navigation bar:



As we can see, there are 6 main functionalities visible:

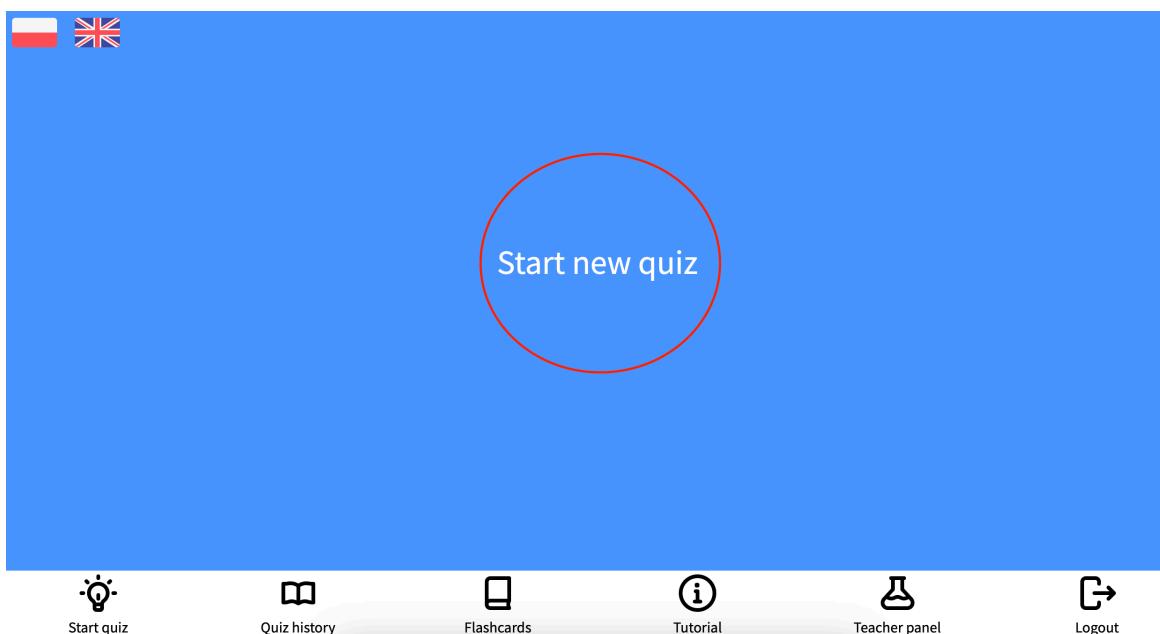
- Start Quiz
- Quiz History
- Flashcards
- Tutorial
- Teacher panel
- Logout

Start quiz (Teacher)

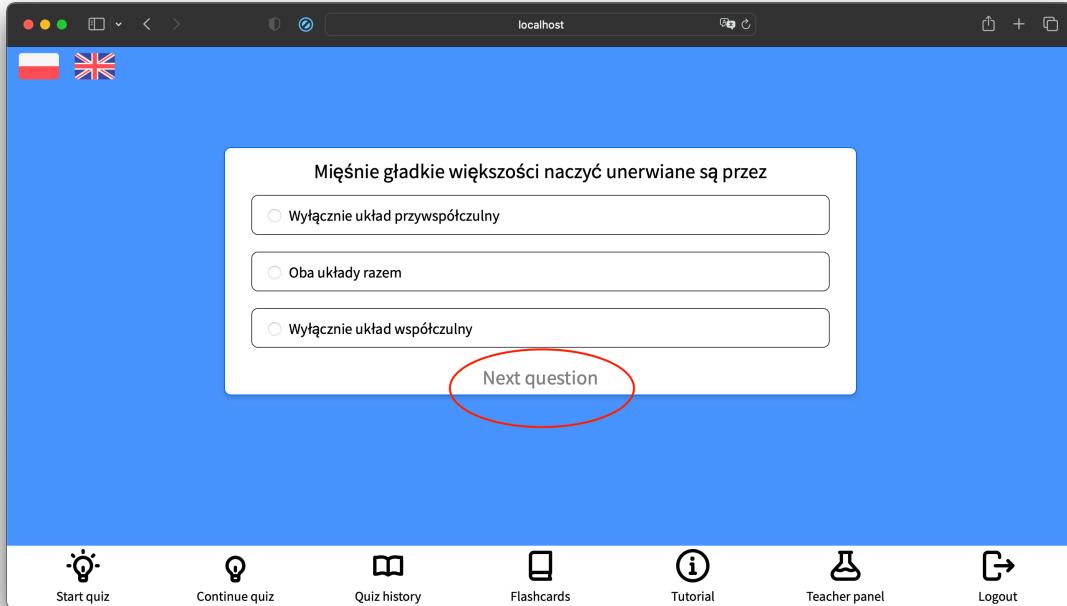
The teacher can start the quiz by clicking “Start Quiz” located in the bottom left corner.



After clicking, we are redirected to a quiz-started page, where we can start the quiz.

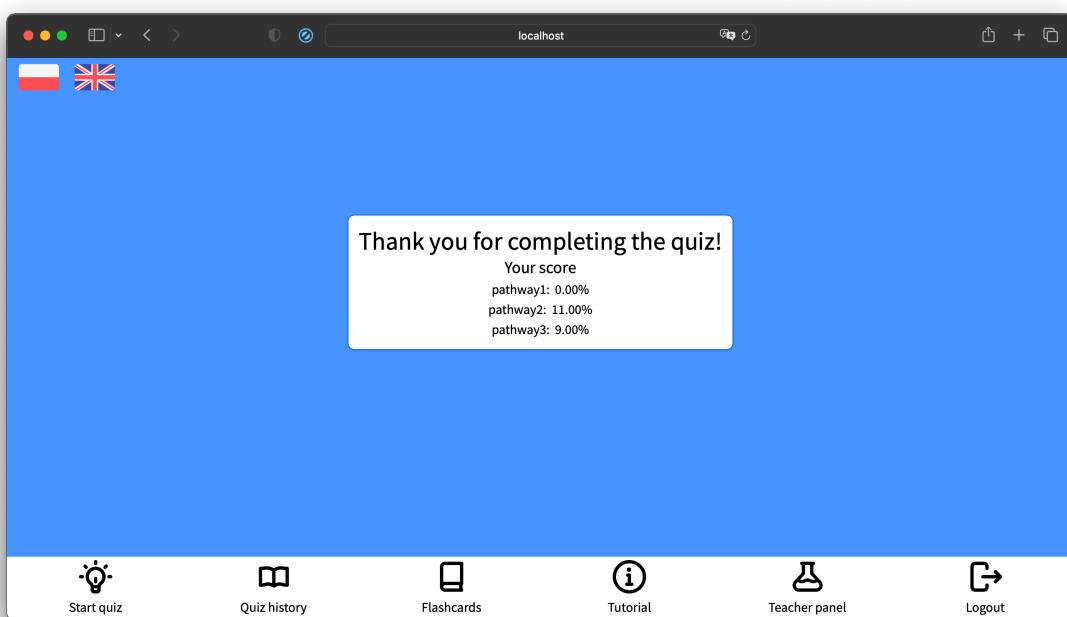


After clicking “Start new quiz” we are shown the current question, and the answers. Note that the answer option is disabled until we select a question (we can not provide an empty answer).



After selecting the answer and clicking the “Next question” button, we may progress through the quiz.

After finishing all of the questions, we are presented with this result screen:



Please note, that while the quiz was in progress we had the option to "Continue Quiz"

A screenshot of a web browser window titled "localhost". The main content area displays a multiple-choice question in Polish: "Mięśnie gładkie większości naczyć unerwiane są przez". The options are: "Oba układy razem" (radio button), "Wyłącznie układ współczulny" (radio button), and "Wyłącznie układ przywspółczulny" (radio button, selected). Below the question is a "Next question" button. At the bottom of the screen, there is a navigation bar with several icons: "Start quiz" (lightbulb icon), "Continue quiz" (lightbulb icon with a red circle around it), "Quiz history" (book icon), "Flashcards" (deck of cards icon), "Tutorial" (info icon), "Teacher panel" (beaker icon), and "Logout" (exit icon).

This lets us navigate back to the quiz if we decided to switch the tab, example: (We navigated to quiz history)

A screenshot of a web browser window titled "localhost". The main content area displays a table of quiz history information. The columns are "Quiz name", "Date of completion", and "Pathway scores". The data shows: Quiz name "default", Date of completion "2023-01-31 09:35:19", and Pathway scores "pathway1: 0.00%", "pathway2: 11.00%", and "pathway3: 9.00%". At the bottom of the screen, there is a navigation bar with several icons: "Start quiz" (lightbulb icon), "Continue quiz" (lightbulb icon), "Quiz history" (book icon), "Flashcards" (deck of cards icon), "Tutorial" (info icon), "Teacher panel" (beaker icon), and "Logout" (exit icon).

And after clicking on continue quiz we are back where we left our work:

The screenshot shows a web browser window with a blue header bar. In the top left corner of the header are two small flags: Polish and English. The main content area displays a question in Polish: "Mięśnie gładkie większości naczyć unerwiane są przez". Below the question are three radio button options: "Oba układy razem", "Wyłącznie układ współczulny", and "Wyłącznie układ przywspółczulny". The third option is selected, indicated by a blue circle. At the bottom of the question box is a "Next question" button. Along the bottom edge of the screen is a navigation menu with icons and labels: "Start quiz" (lightbulb), "Continue quiz" (lightbulb), "Quiz history" (book), "Flashcards" (deck of cards), "Tutorial" (info icon), "Teacher panel" (beaker), and "Logout" (exit icon). The browser's address bar shows "localhost".

Quiz History (Teacher)

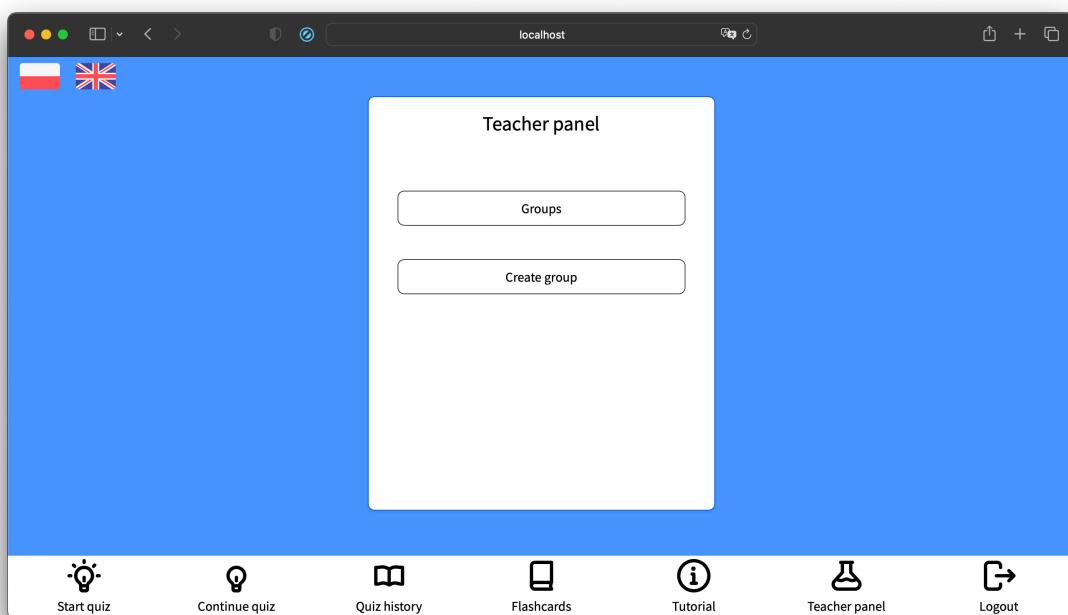
This is a really simple view, in this subpage all of the completed quizzes with their respective scores are visible:

| Quiz name | Date of completion | Pathway scores |
|-----------|---------------------|--|
| default | 2023-01-31 09:35:19 | pathway1: 0.00% pathway2: 11.00% pathway3: 9.00% |

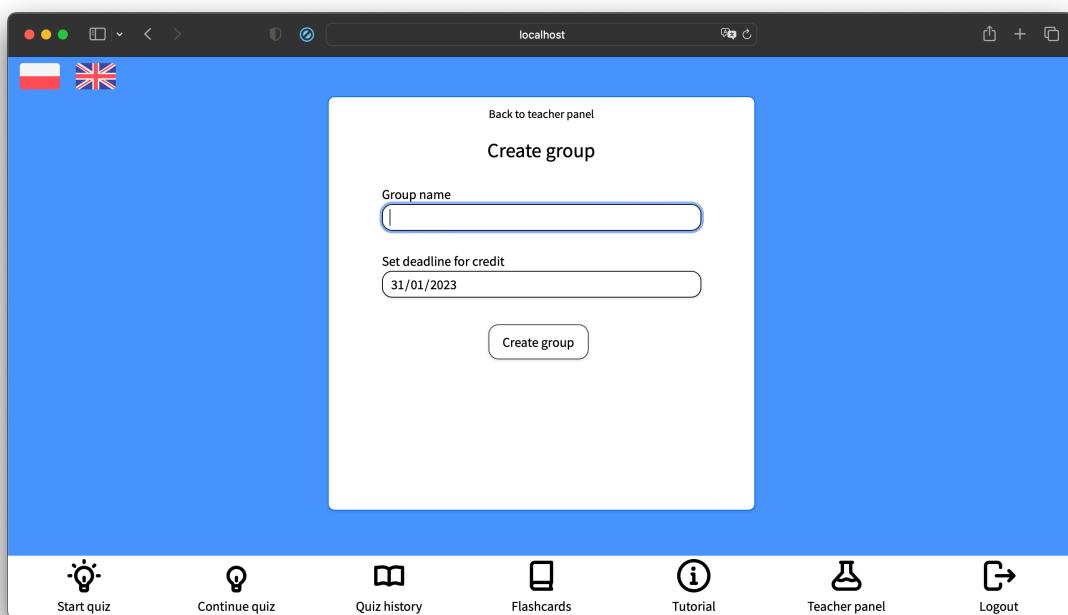
Start quiz Continue quiz Quiz history Flashcards Tutorial Teacher panel Logout

Teacher Panel

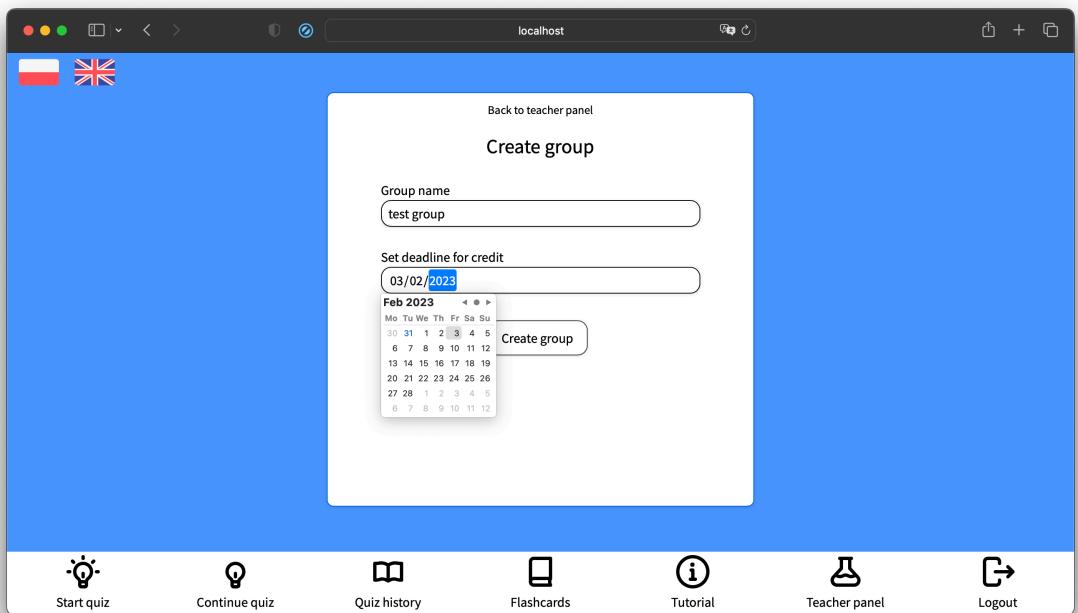
After navigating to the Teacher panel (bottom navigation bar) we are presented with two options:



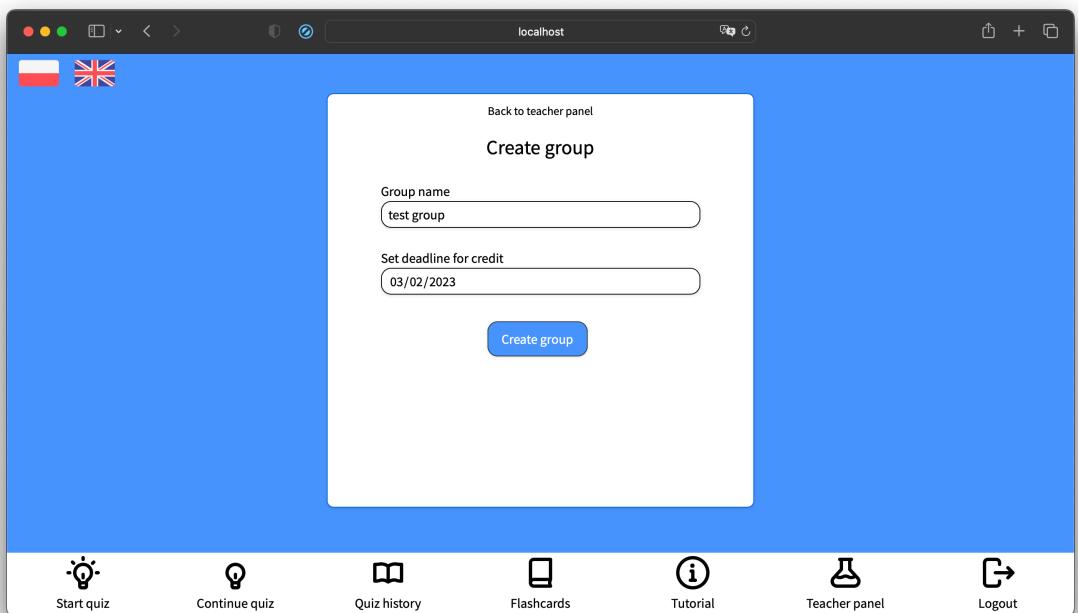
Let's discuss the **Create Group** option first:



Here, the teacher can create new groups. Let's input some data and test it (Please note, it is not possible to set a deadline earlier than today's date)



Now create the group



If the group was created, we will see the following screen (the code might be different)

localhost

Back to teacher panel

Create group

Group name

Set deadline for credit
31/01/2023

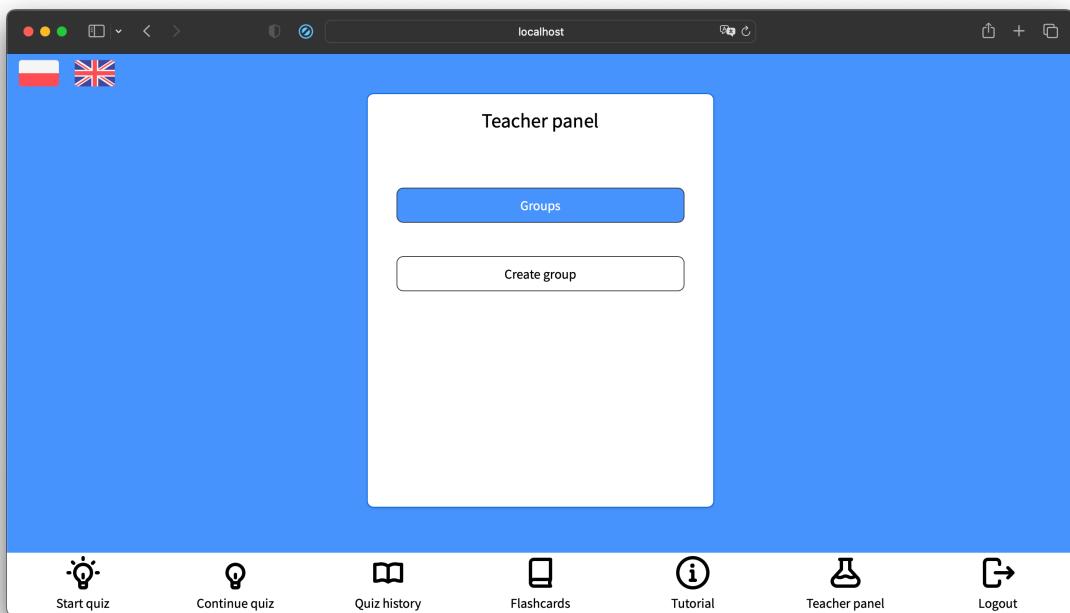
Create group

Group created successfully

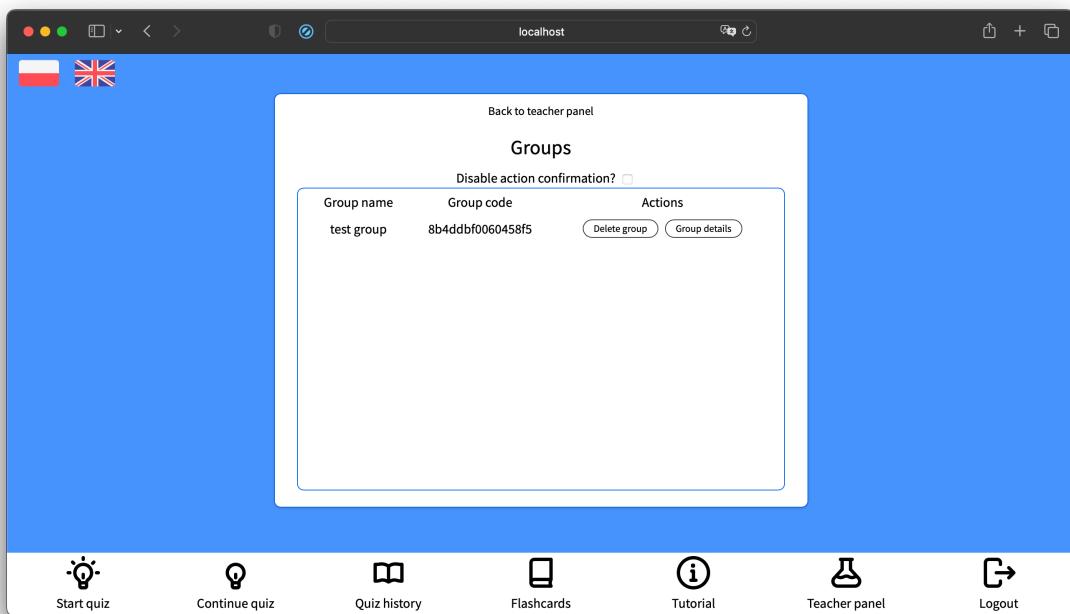
Group code:
8b4ddbf0060458f5

Start quiz Continue quiz Quiz history Flashcards Tutorial Teacher panel Logout

Teacher panel - groups (teacher and admin)



Let's proceed to the **Groups** subpage.



Here we can see 3 main actions:

Disable action confirmation

Delete group

Group details

Let's start with *delete group*

The teacher may delete his groups, however by default, there will be a confirmation popup to ask whether we are sure that we want to proceed with this action.

A screenshot of a web application window titled "localhost". The main content area is a "Groups" page. At the top, there is a "Back to teacher panel" link and a "Disable action confirmation?" checkbox. Below is a table with one row:

| Group name | Group code | Actions |
|------------|------------------|--|
| test group | 8b4ddb0f060458f5 | Delete group Group details |

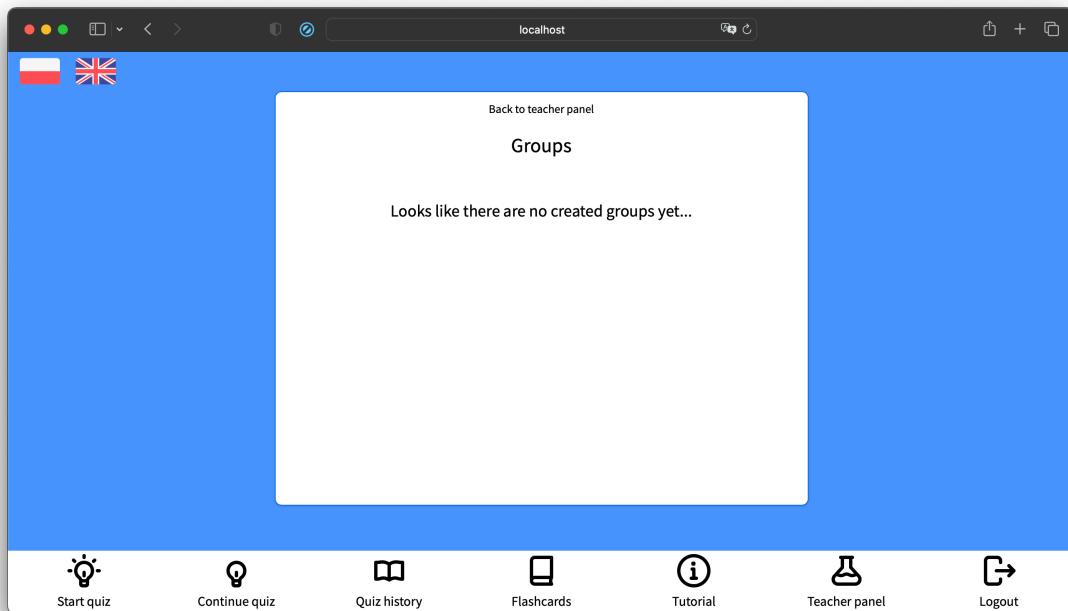
The "Delete group" button is circled in red. Below the table is a navigation bar with icons for Start quiz, Continue quiz, Quiz history, Flashcards, Tutorial, Teacher panel, and Logout.

After clicking:

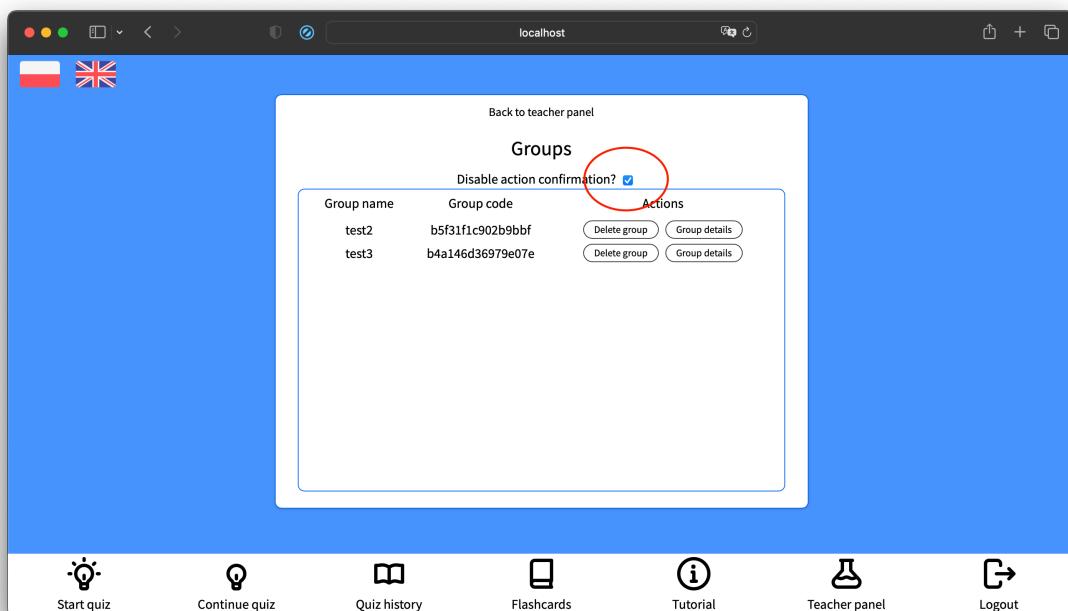
A screenshot of the same web application window after a click. A modal dialog box is centered on the screen with the question "Do you confirm you want to delete the data?". Below the question are two buttons: "No" and "Yes". The bottom navigation bar is visible again.

We may confirm or reject the confirmation.

After clicking **Yes** the group will be deleted and the group list will refresh. (Since we had only one group the no groups screen will be visible now)



If we desire to delete multiple groups rapidly, we may check the *Disable action confirmation* checkbox:



Now, there will be no confirmations popping up.

Teacher panel > groups > group details (teacher and admin)

This section is applicable to admin and teacher roles.

After clicking on **group details**

| Group name | Group code | Actions |
|------------|------------------|--|
| test2 | b5f31f1c902b9bbf | Delete group Group details |
| test3 | b4a146d36979e07e | Delete group Group details |

We are presenting with the following screen:

We can see the list of students belonging to the group.

We may also *download group score* and *delete all students*.

Download group score will download the current results of students enrolled into the group:

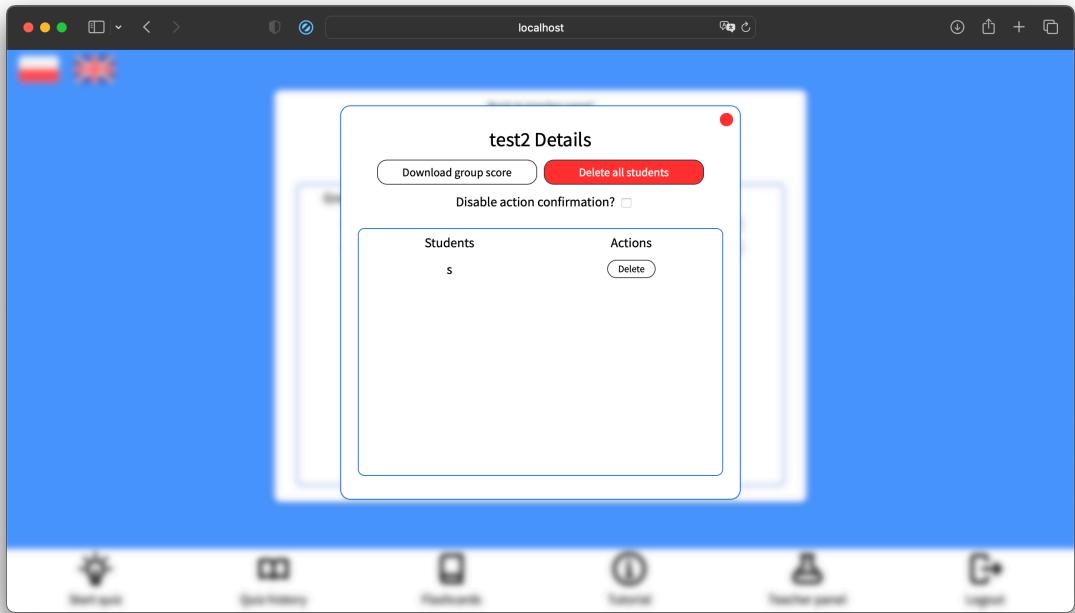
The screenshot shows a web browser window with a modal dialog and an adjacent Microsoft Excel spreadsheet.

Modal Dialog: The title is "test2 Details". It contains two buttons: "Download group score" and "Delete all students". Below these buttons is a checkbox labeled "Disable action confirmation?". A table below the checkbox has one row with the letter "S" under "Students" and a "Delete" button under "Actions".

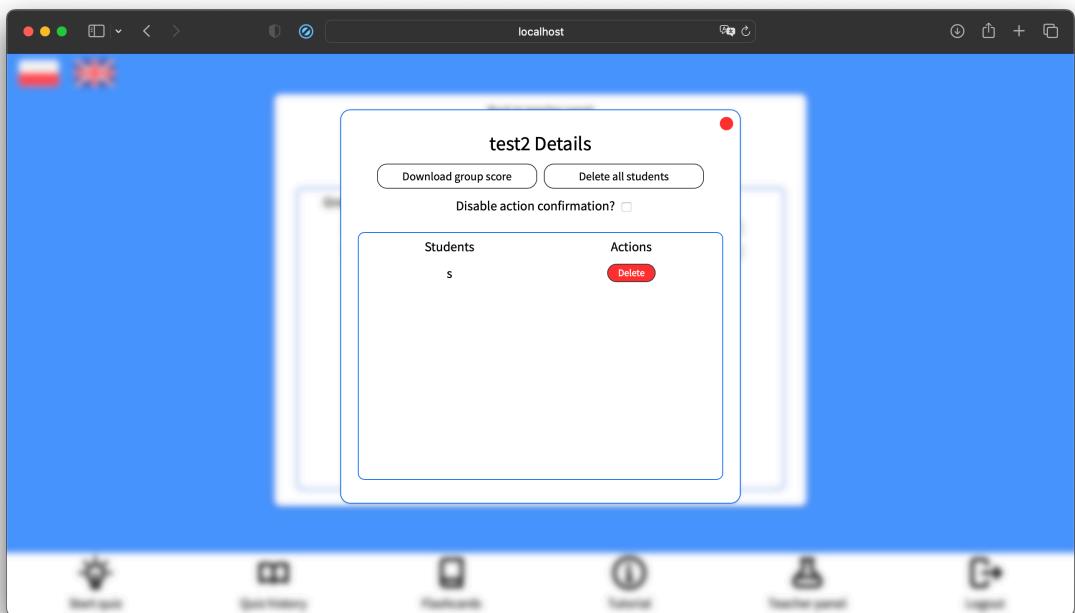
Microsoft Excel Spreadsheet: The title bar says "localhost". The spreadsheet has a single sheet named "Sheet0". The first row contains "Grupa" and "test2". The second row contains "Deadline grupy" and "2023-02-08". The third row contains "email", "date", "PASS?", "Pathway 1", "Pathway 2", and "Pathway 3". The fourth row contains a blank cell, "2023-02-08", "PASS?", and three empty cells for Pathways.

On the left we can see the downloaded file, for now, this student has not completed any quizzes after adding himself to the group.

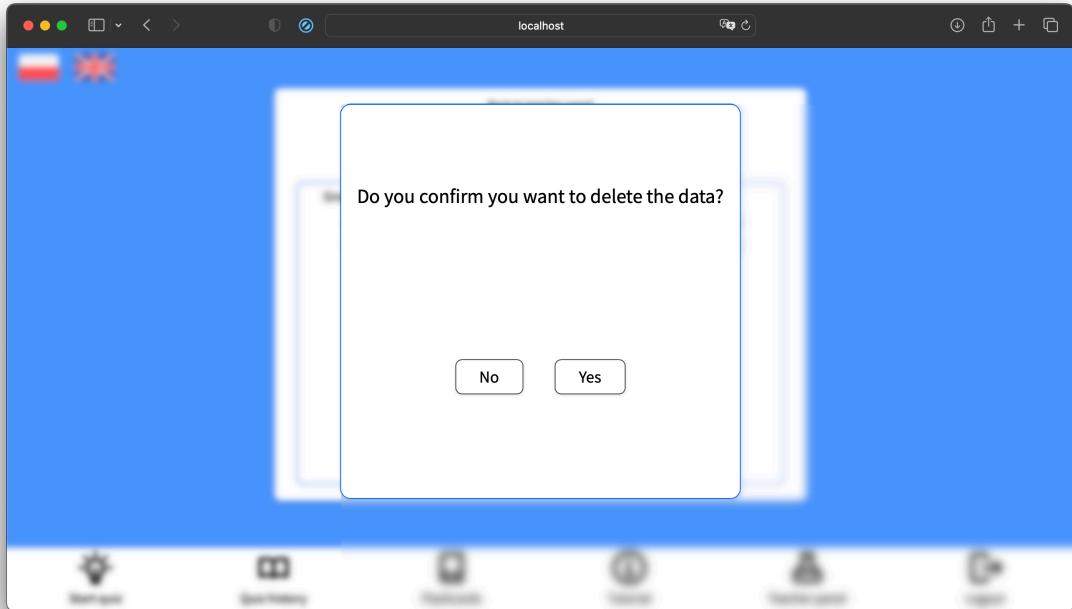
We may also delete all of the students



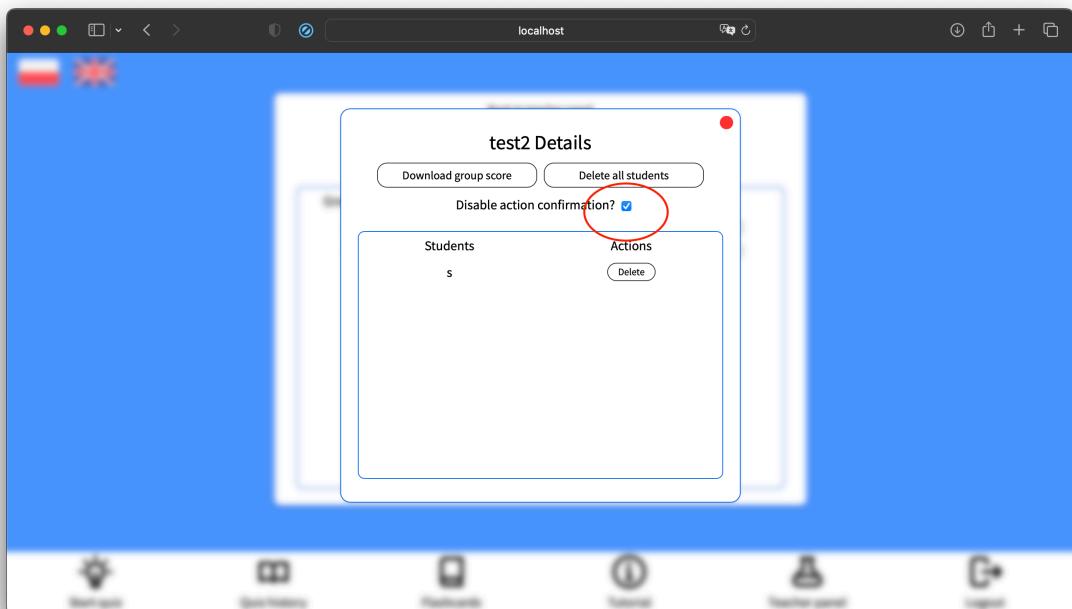
Or just one of them



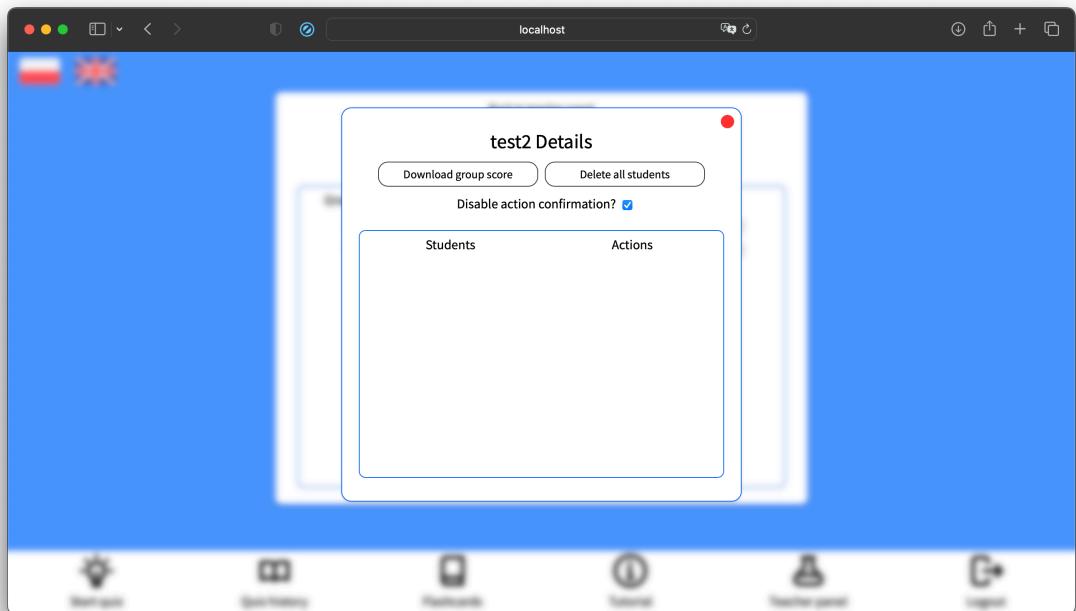
With the same confirmation as before popping up by default



And also the ability to disable those confirmations (It will disable both the confirmation for deleting all students and the one for deleting a single student)

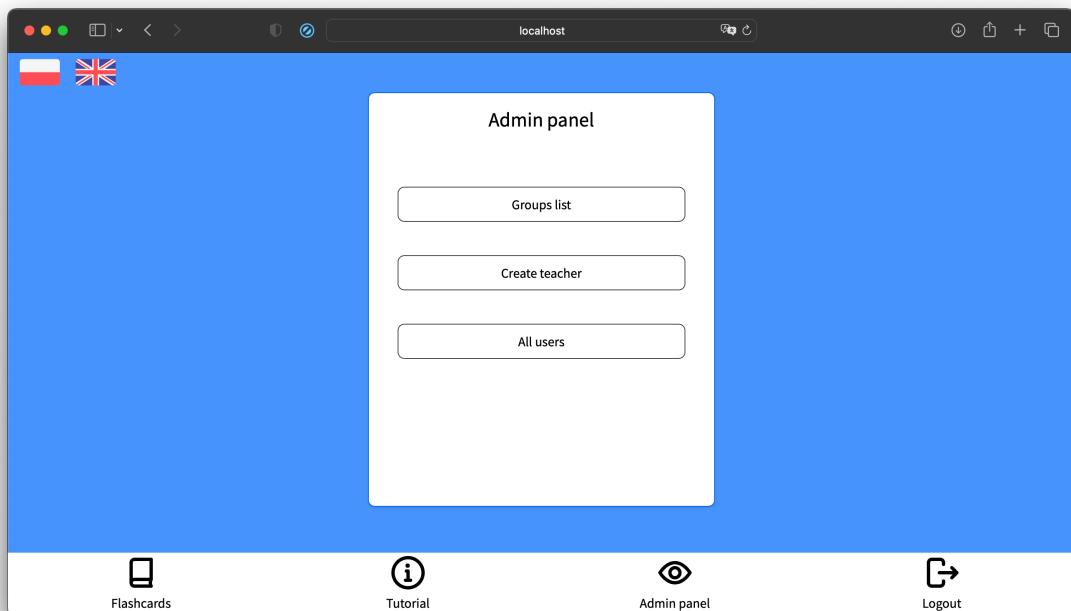


Same as previously, the students list will be updated when one or all are deleted:



Admin panel (admin only)

After clicking on the admin panel, we are presented with the following view:



It has 3 different subsections:

Groups list - this feature works exactly in the same way as the **groups** for the teacher.

Create teacher

All users

Let's discuss the Group list first

Admin panel > Groups list

This functionality works in the exact same way as it's teacher counterpart, however, with 1 small difference - we can see the list of groups of **all teachers**.

The screenshot shows a web browser window titled 'localhost' displaying the 'Groups' list. At the top right of the main content area is a 'Disable action confirmation?' checkbox. Below it is a table with four columns: 'Group name', 'Group code', 'Teacher username', and 'Actions'. The table contains two rows:

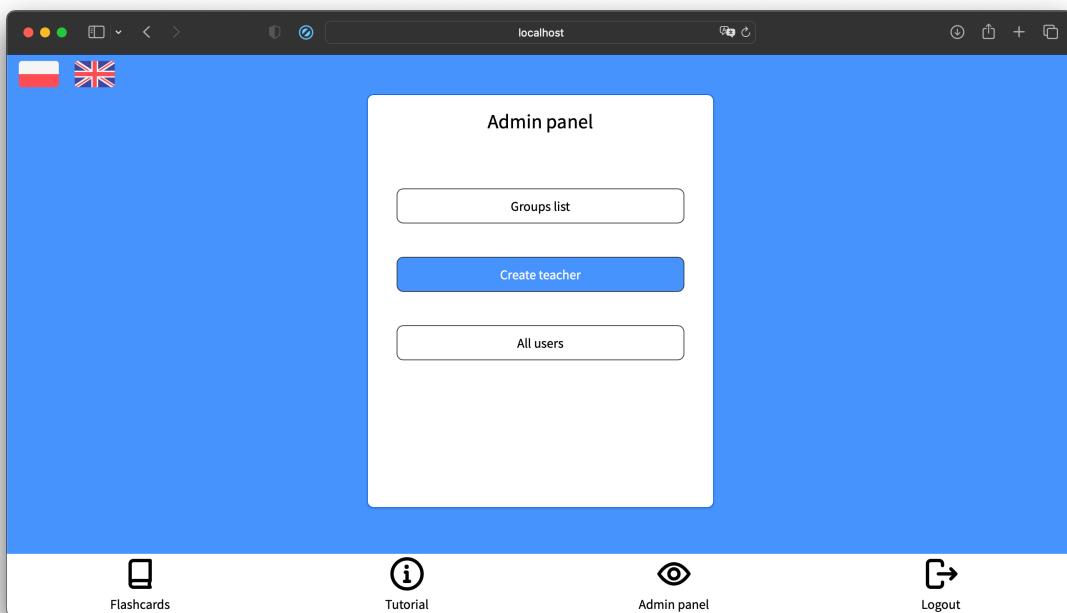
| Group name | Group code | Teacher username | Actions |
|------------|------------------|------------------|--|
| test2 | b5f31fc902b9bbf | t | Delete group Group details |
| test3 | b4a146d36979e07e | t | Delete group Group details |

At the bottom of the page, there are navigation links: 'Flashcards', 'Tutorial', 'Admin panel' (which is the active link), and 'Logout'.

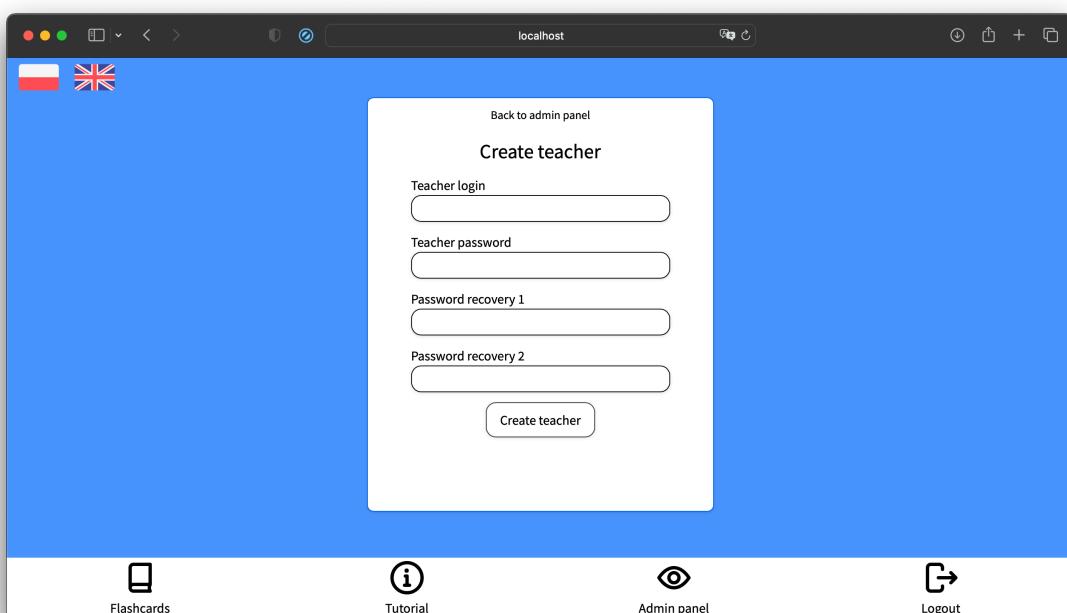
The rest of the functionalities of the groups are identical to the teacher's (described previously).

Admin panel > Create teacher

Let's click on the **Create teacher** option

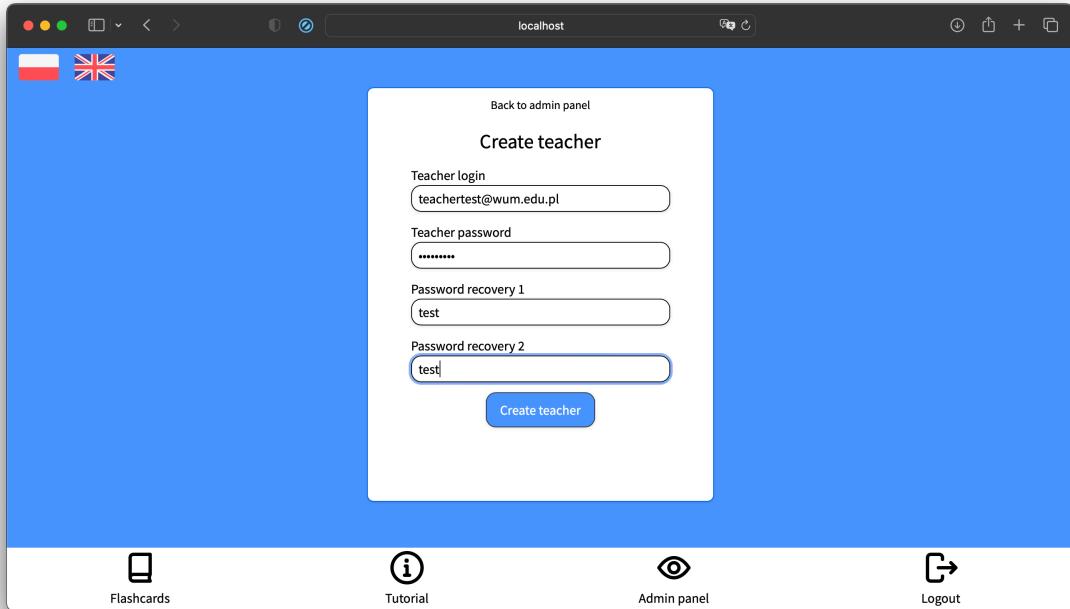


We are presented with a form used for creating new teachers.



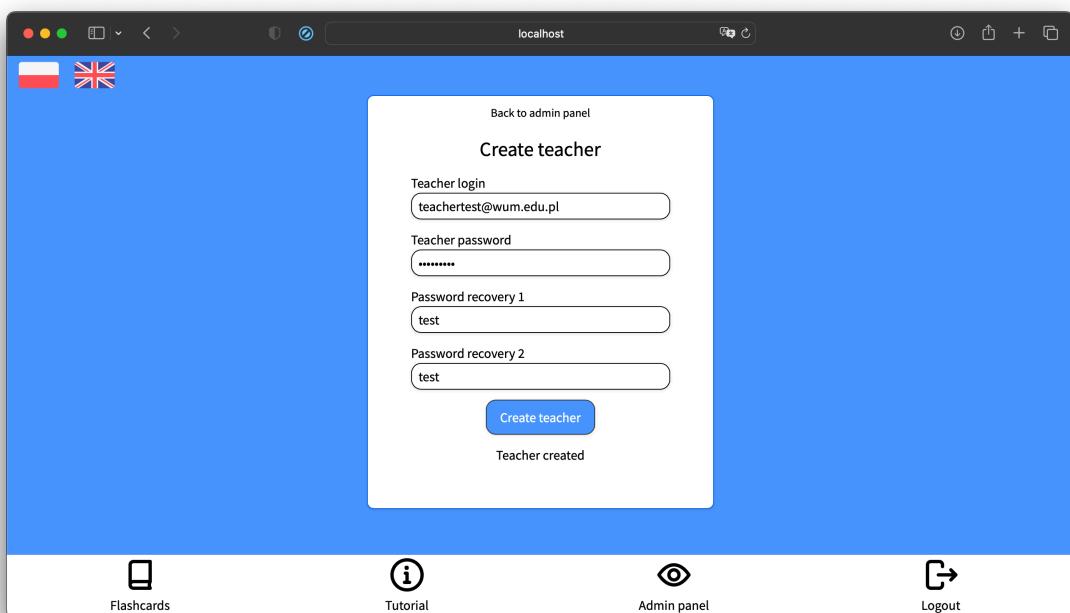
This is the **only** way to create new teachers in this application.

Let's input some data and create a new teacher.



Important notes:

- The teacher's login **has to** end with @wum.edu.pl
- The teacher's password has to contain between 8 to 20 characters, including one small character, one large character, and a number.



Should we provide any invalid data or if the teacher with a given name already exists, we will get feedback from the server (here the login is misspelled on purpose):

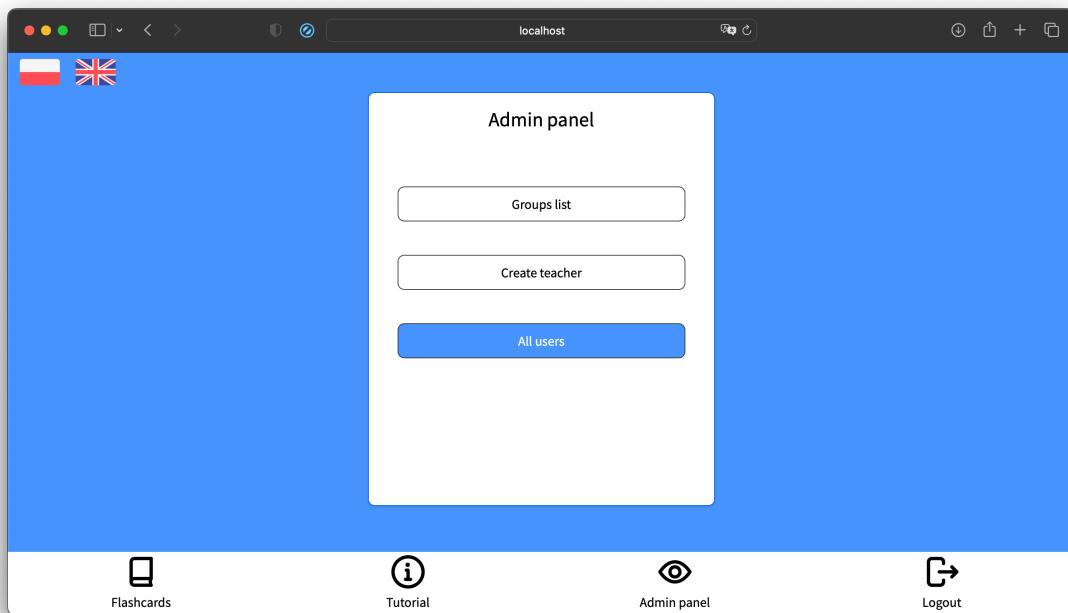
The screenshot shows a web application interface on a blue-themed page. At the top, there are two flags (Poland and UK) and a navigation bar with links for 'Flashcards', 'Tutorial', 'Admin panel', and 'Logout'. The main content area is titled 'Create teacher' and contains several input fields:

- Teacher login: `teachertest@wum.edu.p` (highlighted in red)
- Teacher password: `.....`
- Password recovery 1: `test`
- Password recovery 2: `test`

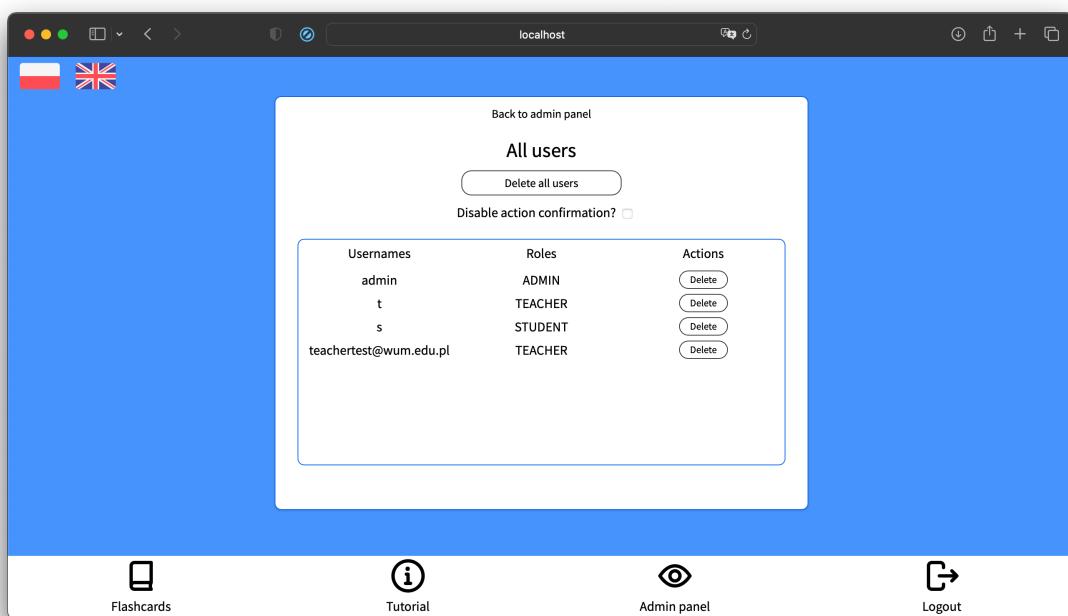
Below the inputs is a 'Create teacher' button. A red error message 'Wrong mail format!' is displayed below the input fields.

Admin panel > All users

Let's click on the *All users* option



We are presented with the list of all users in the service, with the ability to delete a single user or all of them. Note, that removing **all** users **will not** remove the admin.



After we choose to delete a user, a confirmation popup will be presented:

The image consists of two screenshots of a web application interface. The top screenshot shows the 'All users' page with a table of users and a confirmation dialog. The bottom screenshot shows a confirmation dialog box.

Screenshot 1: All users

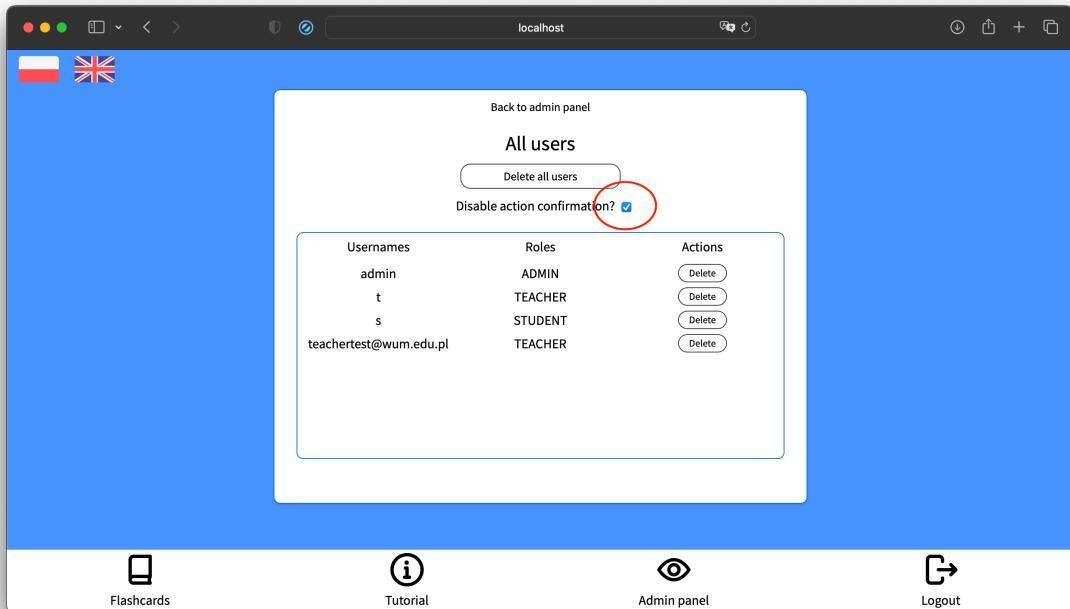
This screenshot shows the 'All users' page. At the top right is a 'Delete all users' button and a 'Disable action confirmation?' checkbox. Below is a table with columns 'Usernames', 'Roles', and 'Actions'. The data is as follows:

| Usernames | Roles | Actions |
|------------------------|---------|---------------------------------------|
| admin | ADMIN | <input type="button" value="Delete"/> |
| t | TEACHER | <input type="button" value="Delete"/> |
| s | STUDENT | <input type="button" value="Delete"/> |
| teachertest@wum.edu.pl | TEACHER | <input type="button" value="Delete"/> |

Screenshot 2: Confirmation Dialog

This screenshot shows a confirmation dialog box with the question "Do you confirm you want to delete the data?". It has "No" and "Yes" buttons at the bottom. The background shows the same user management interface as the first screenshot.

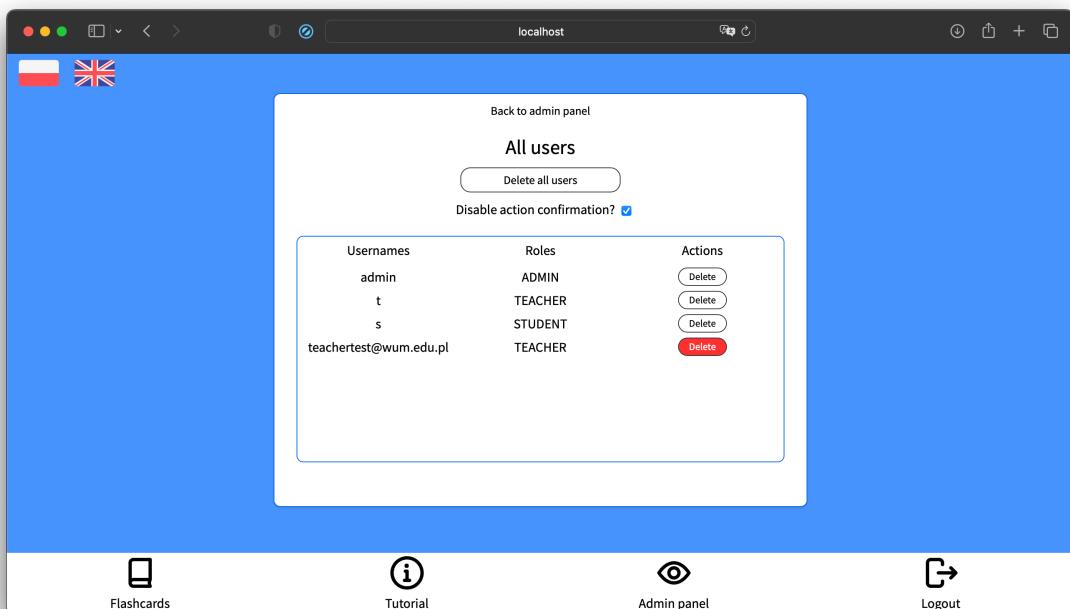
And as previously, we have the option to disable those warnings:



The screenshot shows the 'All users' page in the admin panel. At the top right, there is a checkbox labeled 'Disable action confirmation?'. A red circle highlights this checkbox. Below it is a table with columns 'Usernames', 'Roles', and 'Actions'. The table contains the following data:

| Usernames | Roles | Actions |
|------------------------|---------|-------------------------|
| admin | ADMIN | <button>Delete</button> |
| t | TEACHER | <button>Delete</button> |
| s | STUDENT | <button>Delete</button> |
| teachertest@wum.edu.pl | TEACHER | <button>Delete</button> |

Let's delete the teacher we created



The screenshot shows the 'All users' page in the admin panel. The 'Delete' button for the user 'teachertest@wum.edu.pl' is highlighted with a red box. The rest of the interface is identical to the previous screenshot.

The list gets updated.

localhost

Back to admin panel

All users

Delete all users

Disable action confirmation?

| Usernames | Roles | Actions |
|-----------|---------|-------------------------|
| admin | ADMIN | <button>Delete</button> |
| t | TEACHER | <button>Delete</button> |
| s | STUDENT | <button>Delete</button> |

Flashcards Tutorial Admin panel Logout

And now let's remove all users

localhost

Back to admin panel

All users

Delete all users

Disable action confirmation?

| Usernames | Roles | Actions |
|-----------|---------|-------------------------|
| admin | ADMIN | <button>Delete</button> |
| t | TEACHER | <button>Delete</button> |
| s | STUDENT | <button>Delete</button> |

Flashcards Tutorial Admin panel Logout

Only the admin is left:

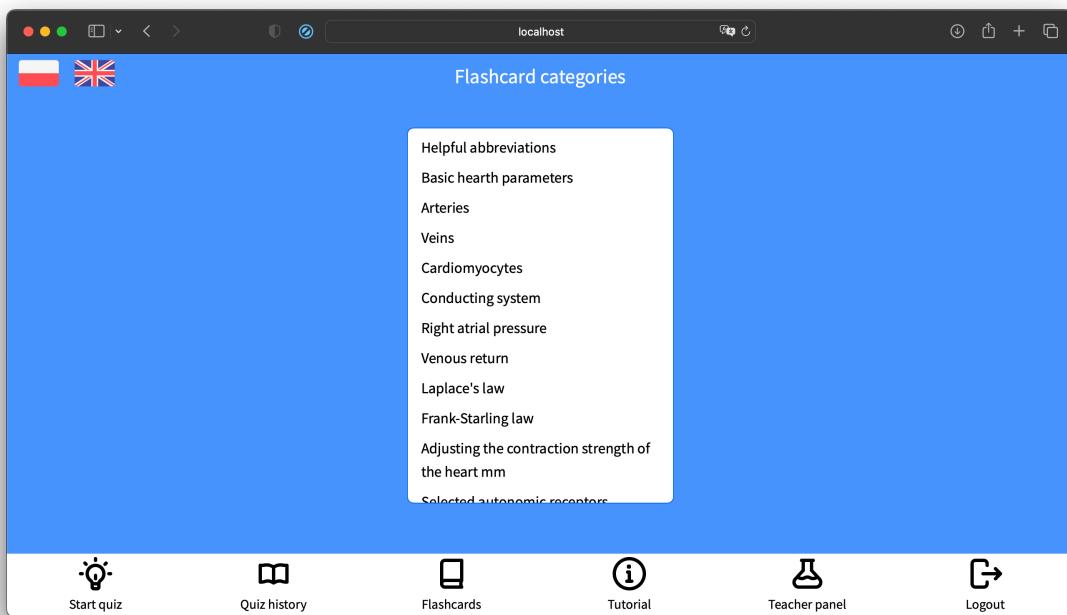
The screenshot shows a web browser window with the URL 'localhost'. The main content is a white card titled 'All users'. At the top of the card is a 'Back to admin panel' link. Below it is a 'Delete all users' button. A checkbox labeled 'Disable action confirmation?' is checked. The card displays a table with three columns: 'Usernames', 'Roles', and 'Actions'. There is one row containing the data: 'admin' in the 'Usernames' column, 'ADMIN' in the 'Roles' column, and a 'Delete' button in the 'Actions' column. At the bottom of the card is a 'Delete' button. Below the card is a navigation bar with four items: 'Flashcards' (card icon), 'Tutorial' (info icon), 'Admin panel' (eye icon), and 'Logout' (logout icon).

| Usernames | Roles | Actions |
|-----------|-------|-------------------------|
| admin | ADMIN | <button>Delete</button> |

Flashcards (Teacher and Admin)

This functionality is available for both Teacher and Admin roles

Let's click on the flashcard navigation button



We are presented with a list of all categories

If we desire, we may switch the language now and the flashcards will also have a Polish version: (page below)

The screenshot shows a web browser window with a blue header bar. In the top left corner, there are two small flags: Polish and British. A red circle highlights the Polish flag. The title "Flashcard categories" is centered above a white modal box. The modal contains a list of medical terms in English:

- Helpful abbreviations
- Basic heart parameters
- Arteries
- Veins
- Cardiomyocytes
- Conducting system
- Right atrial pressure
- Venous return
- Laplace's law
- Frank-Starling law
- Adjusting the contraction strength of the heart mm
- Selected autonomic receptors

Below the modal is a navigation bar with icons and labels: "Start quiz" (lightbulb), "Quiz history" (book), "Flashcards" (bookmarks), "Tutorial" (info circle), "Teacher panel" (flask), and "Logout" (exit).

The screenshot shows a web browser window with a blue header bar. In the top left corner, there are two small flags: Polish and British. A red circle highlights the Polish flag. The title "Kategorie fiszek" is centered above a white modal box. The modal contains a list of medical terms in Polish:

- Przydatne skróty
- Podstawowe parametry pracy serca
- Tętnice
- Żylы
- Kardiomiocyty
- Układ bodźcoprzewodzący
- Ciśnienie w prawym przedsioku
- Powrót żylny
- Prawo Laplace
- Prawo Franka-Starlinga
- Regulacja siły skurczu mm sercowego
- Wybrane receptory układu autonomicznego

Below the modal is a navigation bar with icons and labels: "Rozpocznij quiz" (lightbulb), "Historia quizów" (book), "Fiszki" (bookmarks), "Tutorial" (info circle), "Panel nauczyciela" (flask), and "Wyloguj się" (exit).

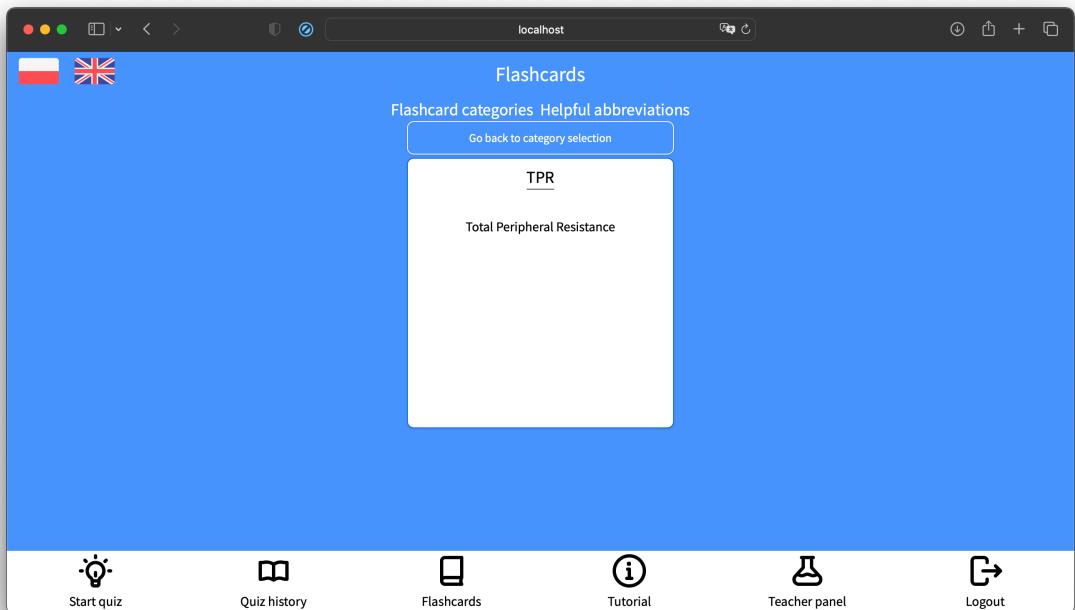
Let's select a category:

A screenshot of a web application window titled "Flashcard categories". At the top left are two flags: Poland and the United Kingdom. The main content area displays a list of "Helpful abbreviations" in a white box with a blue border. The list includes: Basic heart parameters, Arteries, Veins, Cardiomyocytes, Conducting system, Right atrial pressure, Venous return, Laplace's law, Frank-Starling law, Adjusting the contraction strength of the heart mm, and Selected autonomic receptors. Below this list is a small note: "Selected autonomic receptors". At the bottom of the screen is a navigation bar with icons and labels: Start quiz, Quiz history, Flashcards (highlighted), Tutorial, Teacher panel, and Logout.

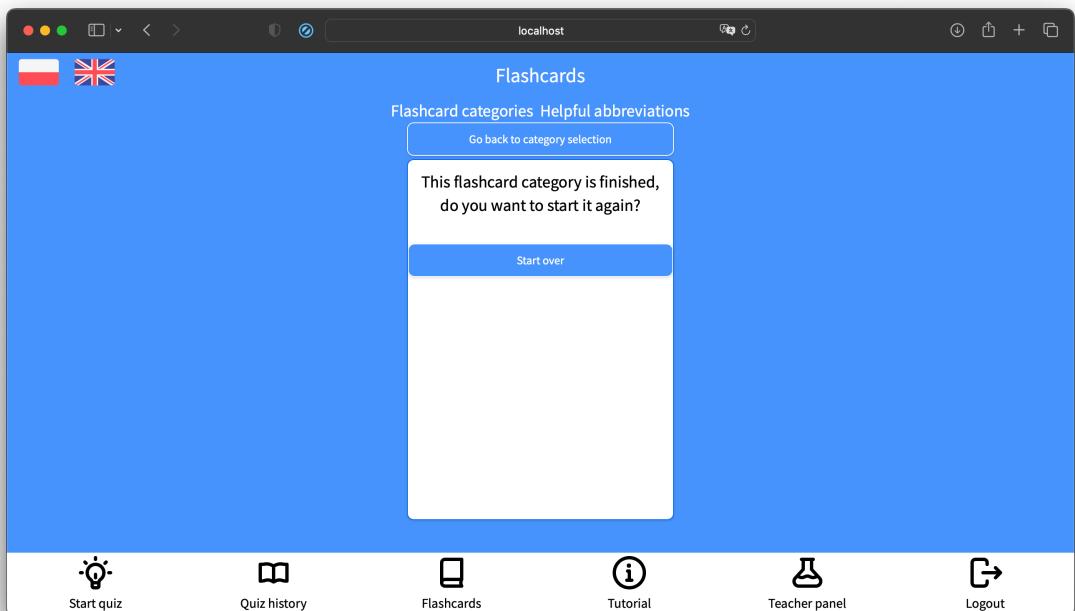
Here we can see a single flashcard from the set of flashcards, if we click on it

A screenshot of a web application window titled "Flashcards". At the top left are two flags: Poland and the United Kingdom. The main content area displays a single flashcard with the title "MAP" at the top and the definition "Mean Arterial Pressure" below it. The flashcard has a red circular border around its content area. Above the flashcard is a button labeled "Go back to category selection". Below the flashcard is a "Helpful abbreviations" section with a "Go back to category selection" button. At the bottom of the screen is a navigation bar with icons and labels: Start quiz, Quiz history, Flashcards (highlighted), Tutorial, Teacher panel, and Logout.

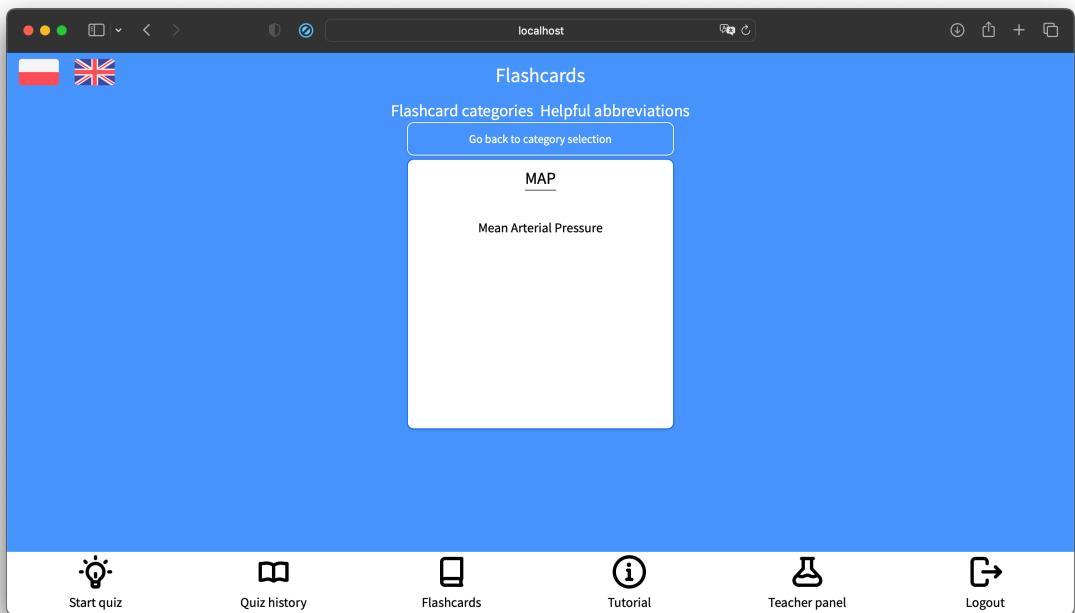
Then the next flashcards is shown:



And we may click, until we run out of flashcards:

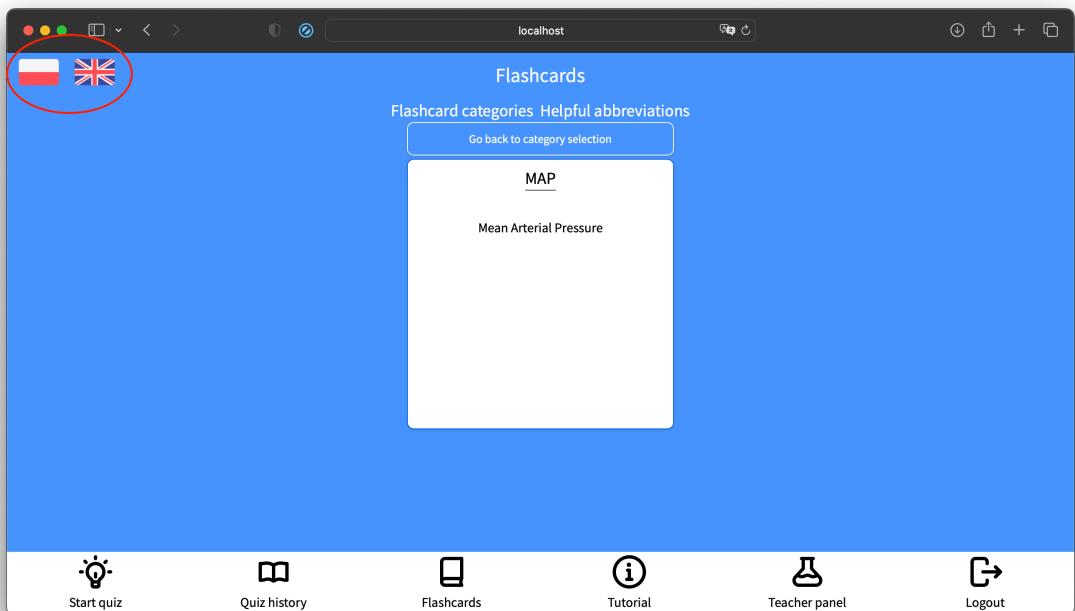


If we press the start over button, we are returned back to the first flashcard from the category:



Important note:

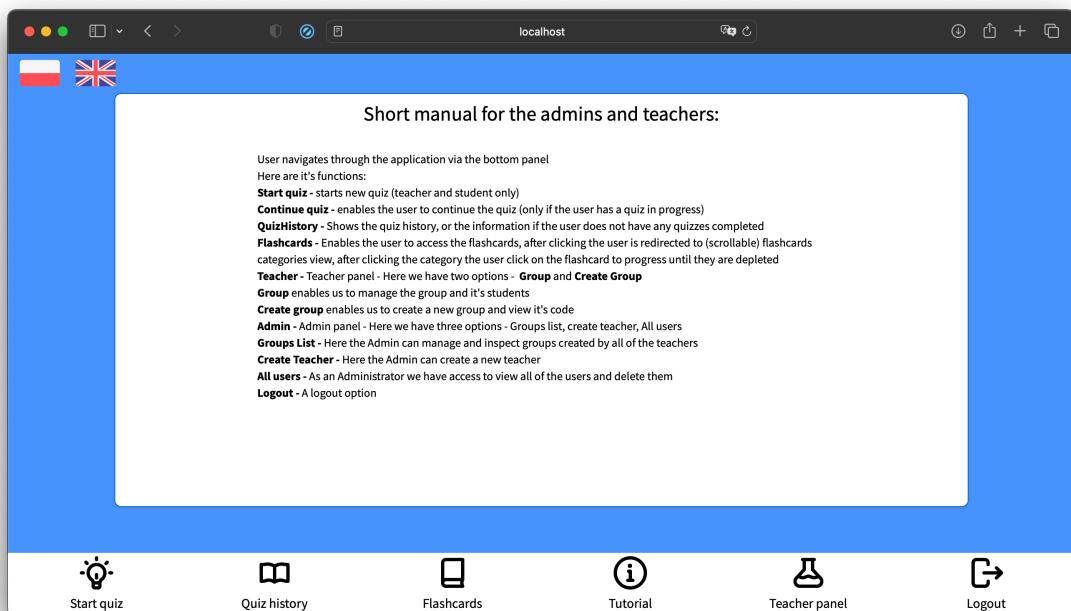
When we are *inside a category* that is, we are clicking on the flashcards, we **can not** change the language (the icons in the top left corner will not respond)



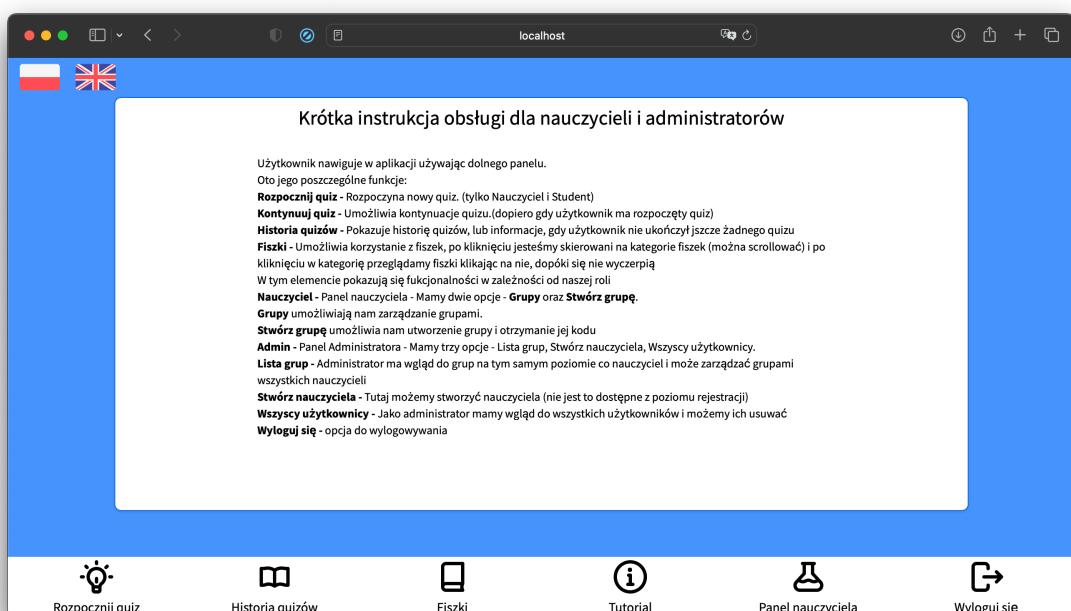
Tutorial - Admin and Teacher

Let's click on the *Tutorial* navigation item:

We are presented with a simple text screen with short summary of how the application works for the Teachers and Admins



We may change the language for a Polish version by clicking on the flag in the top left:



End