

Physiology quiz user manual - Student, Teacher, and Administrator

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

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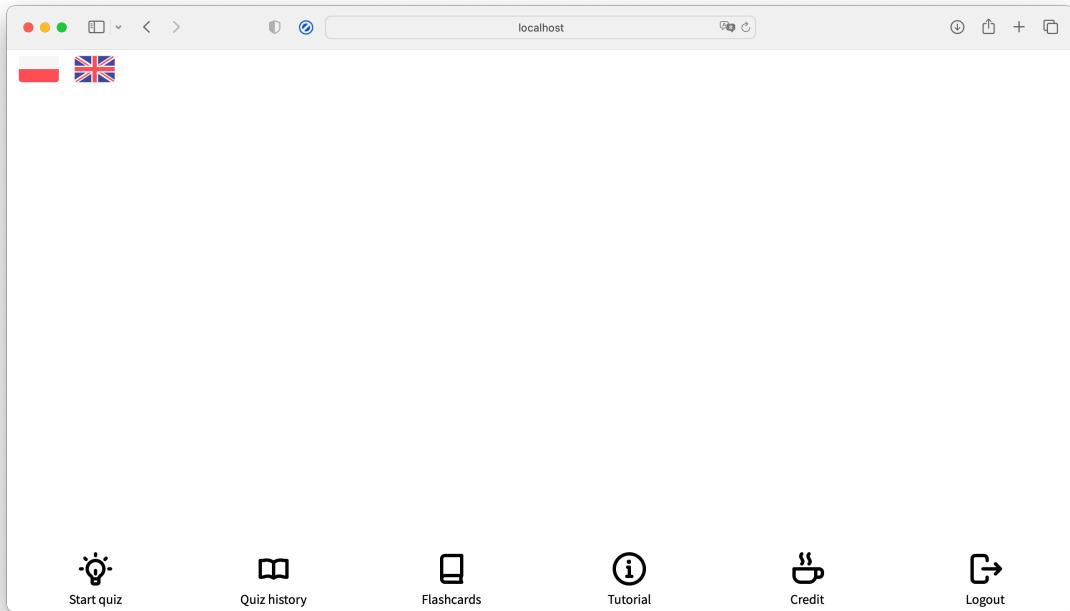
How to read this manual

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

Each page will have a dedicated functionality which will be described in detail. Functionalities that are present in multiple roles simultaneously will be described only once, with any differences made clear, to avoid duplication of the manual instructions.

Student

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



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

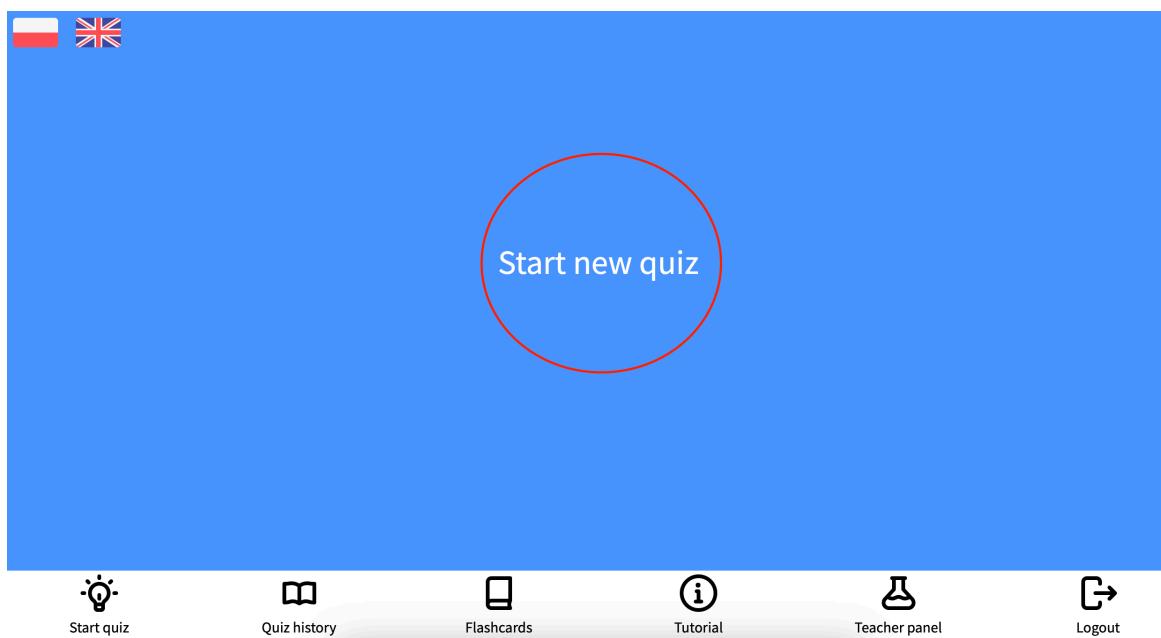
- Start Quiz
- Quiz History
- Flashcards
- Tutorial
- Credit
- Logout

Start quiz (Student and Teacher)

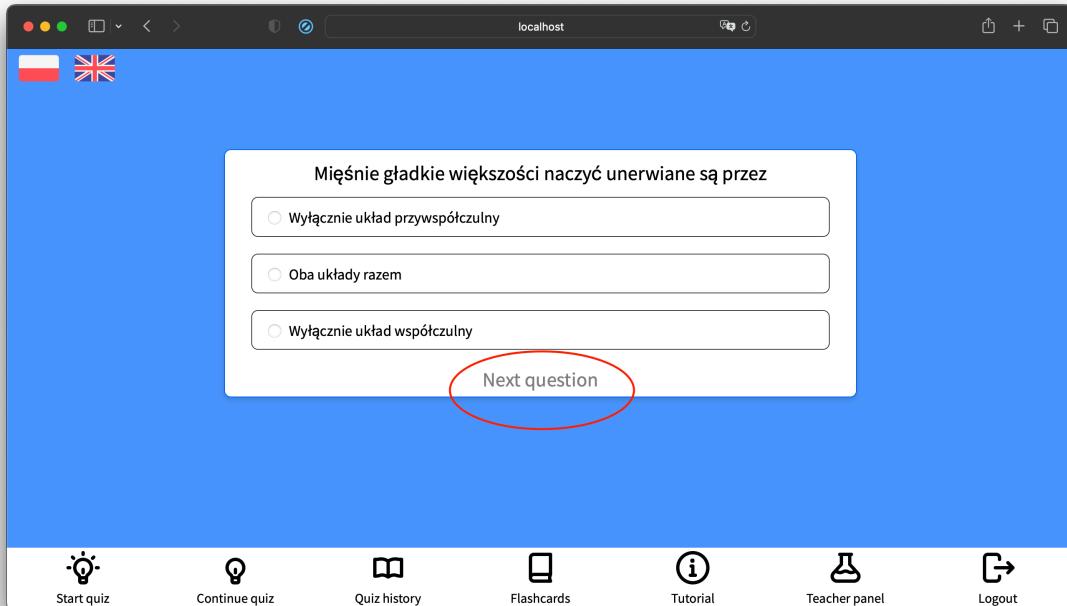
The student and teacher can start the quiz by clicking "Start Quiz" located in the bottom left corner.



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

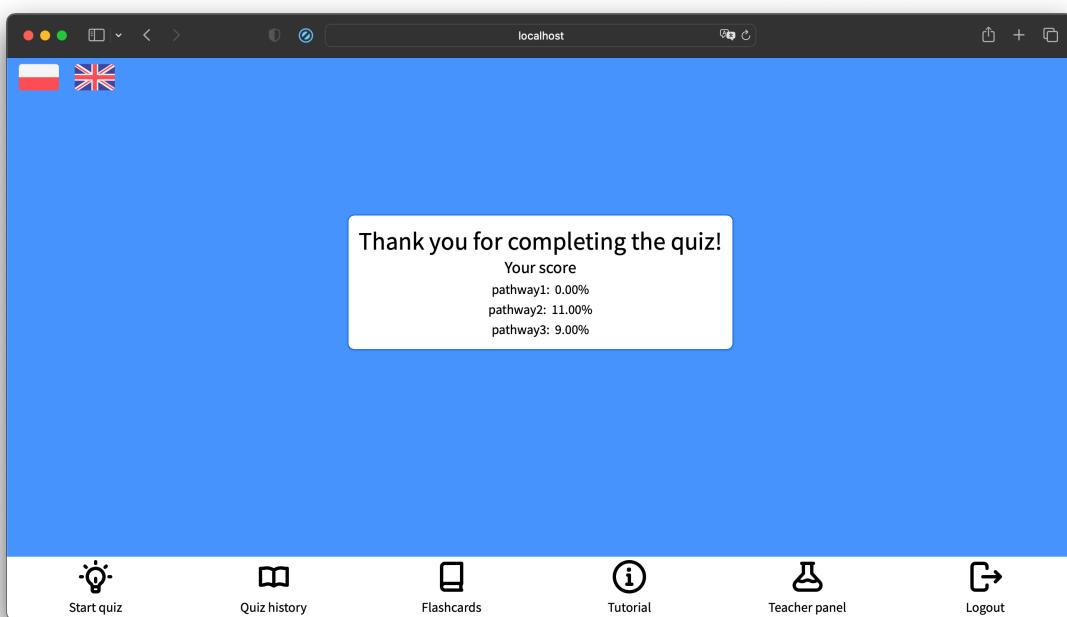


After clicking “Start new quiz” we are shown the current question, and the answers. Note that the answer option is disabled until we select a question (we can not provide an empty answer).



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". Three options are listed: "Oba układy razem" (radio button), "Wyłącznie układ współczulny" (radio button), and "Wyłącznie układ przywspółczulny" (checkbox, selected). Below the question is a "Next question" button. At the bottom of the screen, a navigation bar contains several icons: "Start quiz" (lightbulb), "Continue quiz" (lightbulb with a red circle around it), "Quiz history" (book), "Flashcards" (deck of cards), "Tutorial" (info icon), "Teacher panel" (beaker), 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 showing quiz history. The table has three columns: "Quiz name", "Date of completion", and "Pathway scores". One row is shown: "default" (Date: 2023-01-31 09:35:19) and "pathway1: 0.00%", "pathway2: 11.00%", "pathway3: 9.00%". At the bottom of the screen, a navigation bar contains several icons: "Start quiz" (lightbulb), "Continue quiz" (lightbulb with a red circle around it), "Quiz history" (book), "Flashcards" (deck of cards), "Tutorial" (info icon), "Teacher panel" (beaker), and "Logout" (exit icon).

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

A screenshot of a web browser window titled "localhost". The main content area displays a question in Polish: "Mięśnie gładkie większości naczyń 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. At the bottom of the content area is a "Next question" button. The footer of the page contains several icons and text links: "Start quiz", "Continue quiz", "Quiz history", "Flashcards", "Tutorial", "Teacher panel", and "Logout".

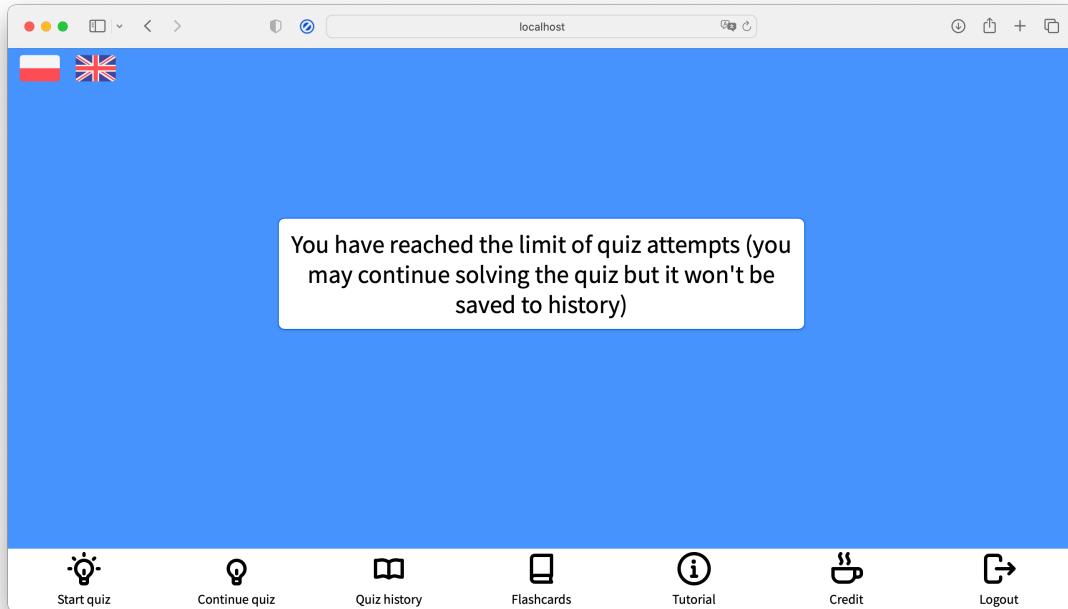
Student - important notes about the quiz

As we can see, the way the Student and Teacher roles are using the quiz is almost identical, however, the student role differs in the following ways:

If the student successfully enrolls in a credit (group) explained in later detail in the next section "credit", there is a limit of 5 attempts at solving the quiz.

A screenshot of a web browser window titled "localhost". A modal dialog box is open, prompting the user to "Enter credit code here". Inside the dialog, there is a text input field labeled "Credit code" containing the value "ba2840dcbd4c92bc". Below the input field is a "Add to group" button, which has a success message "Successfully added to group" displayed below it. The footer of the page contains icons and text links: "Start quiz", "Quiz history", "Flashcards", "Tutorial", "Credit", and "Logout".

Here's the information for the student when the number of attempts has been reached:



As mentioned, the student may continue solving more quizzes, but they won't be accounted for in the credit/group results.

Additionally, if the date of completion of the quiz is over the deadline set for the credit (determined by the teacher) then the results of the student will not be visible in the group results excel file.

Quiz History (Student and 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

Credit

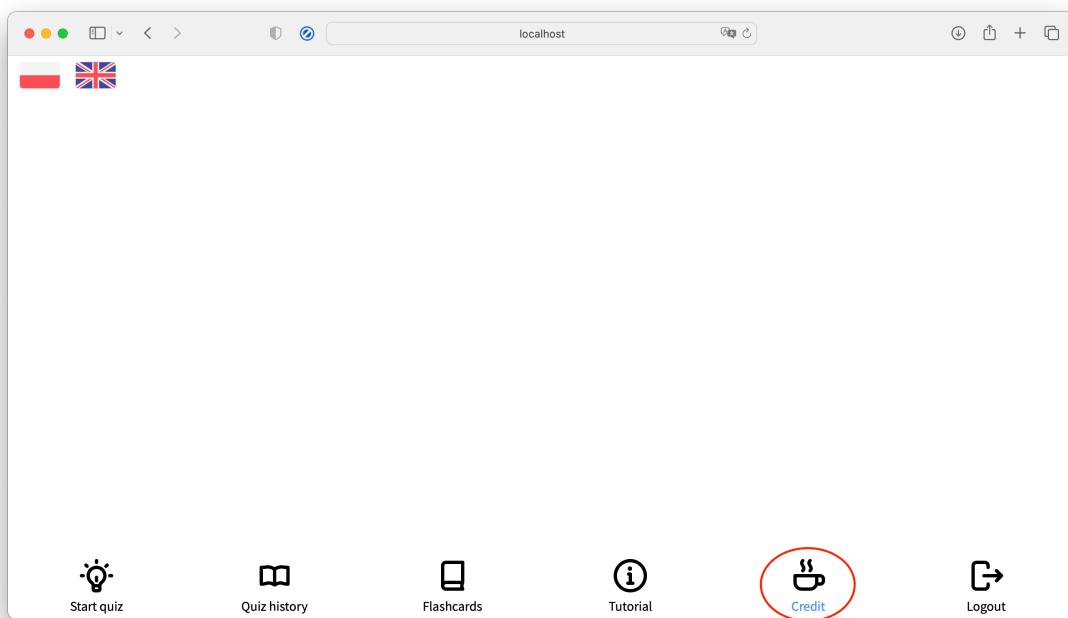
As a student, we may enroll in credits (groups) organized by the Teacher.

Please note:

- The student may be present in only 1 group at a time
- The student may be not present in any group
- The quiz attempt limit resets when the student is removed from the group.

Let's add a student to a credit:

From the bottom navigation panel, we select the Credit option



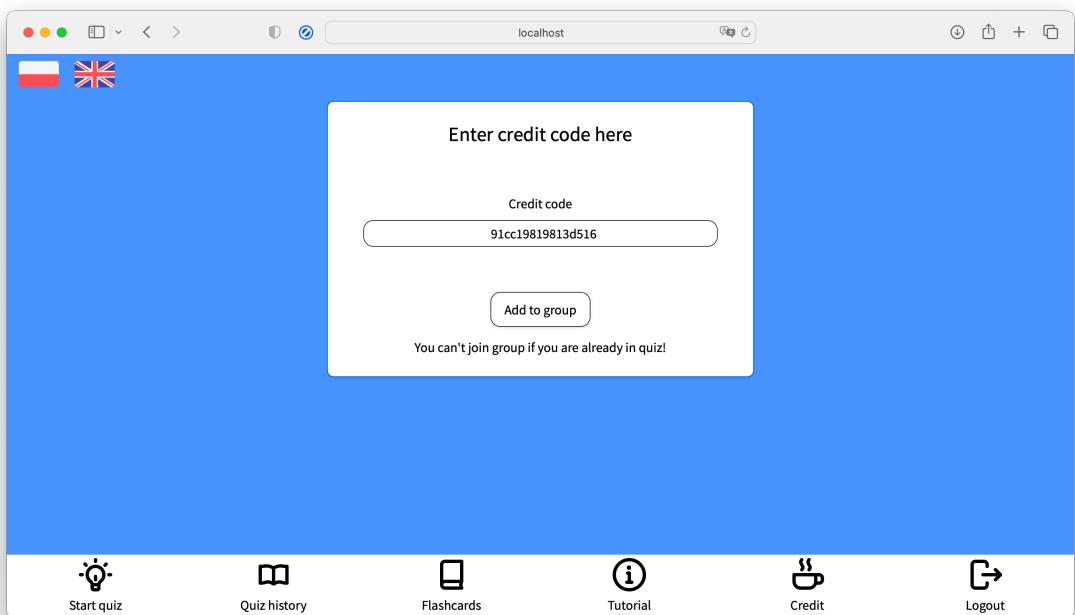
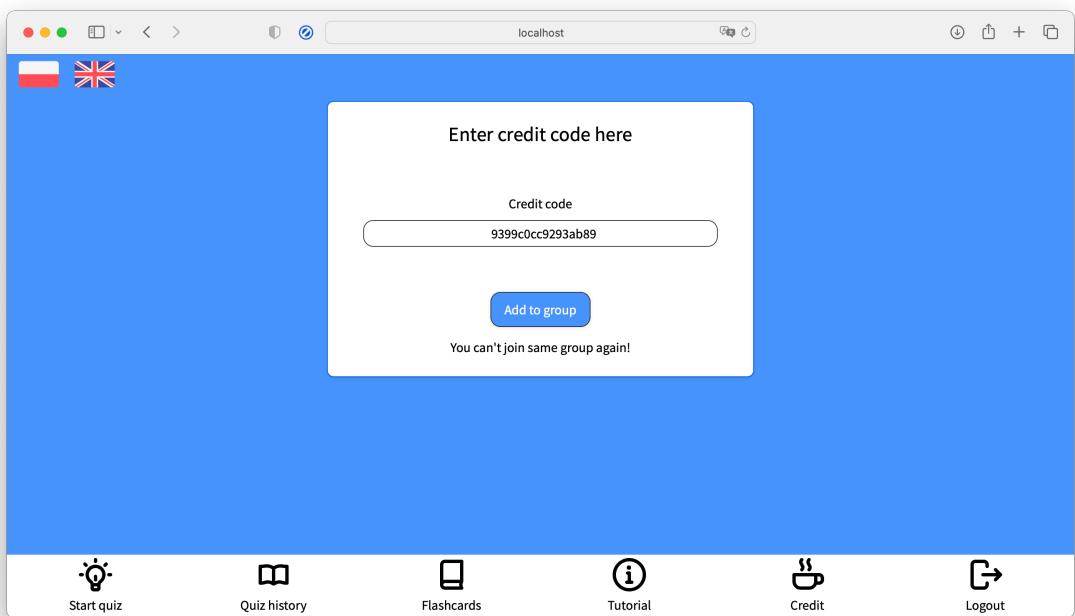
A credit form is displayed:

The screenshot shows a web browser window with a blue header bar. In the top left corner, there are two small flags: Poland and the United Kingdom. The top right corner contains standard OS X window controls (red, yellow, green buttons, close, minimize, maximize). The address bar in the center says "localhost". Below the header is a white rectangular input form. At the top of the form, it says "Enter credit code here". Inside the form, there is a label "Credit code" above a text input field. Below the input field is a blue "Add to group" button. At the bottom of the form, a message "Successfully added to group" is displayed in a small font. The footer of the page has a light blue background with several icons and labels: "Start quiz" (lightbulb icon), "Quiz history" (book icon), "Flashcards" (deck icon), "Tutorial" (info icon), "Credit" (coffee cup icon), and "Logout" (logout icon).

Let's insert a credit code and add ourselves to a group:

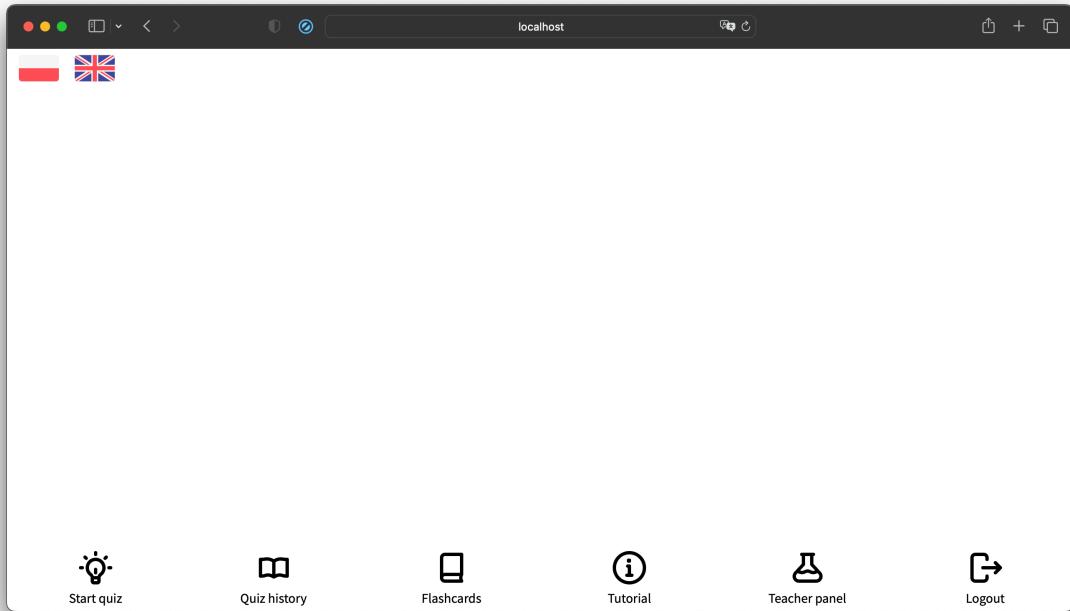
This screenshot is identical to the one above, but with a key difference: the text input field now contains the value "9399c0cc9293ab89". The "Add to group" button has turned blue, indicating it has been clicked. A new message "Successfully added to group" is now visible at the bottom of the input form.

Appropriate error messages are displayed if we fail to provide the correct group code, or we attempt any other invalid operation:



Teacher

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

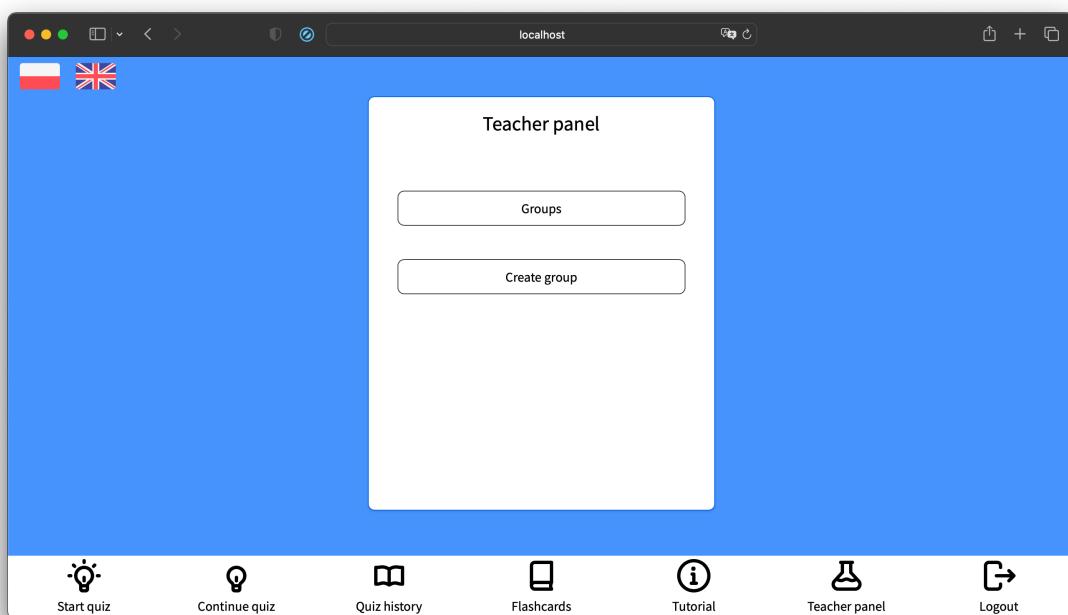


As we can see, there are 6 main functionalities visible:

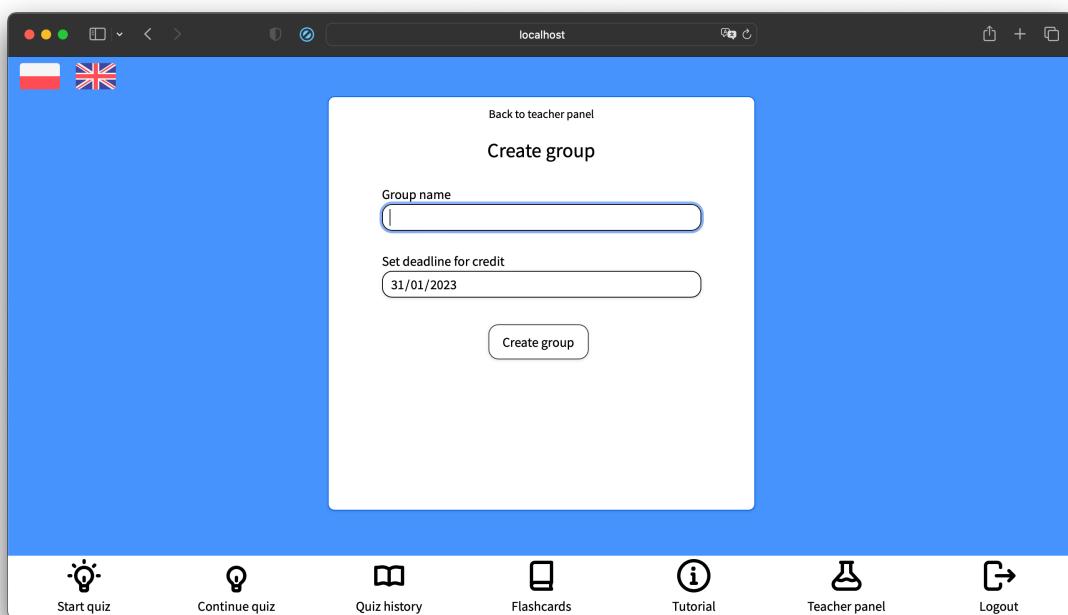
- Start Quiz
- Quiz History
- Flashcards
- Tutorial
- Teacher panel
- Logout

Teacher Panel

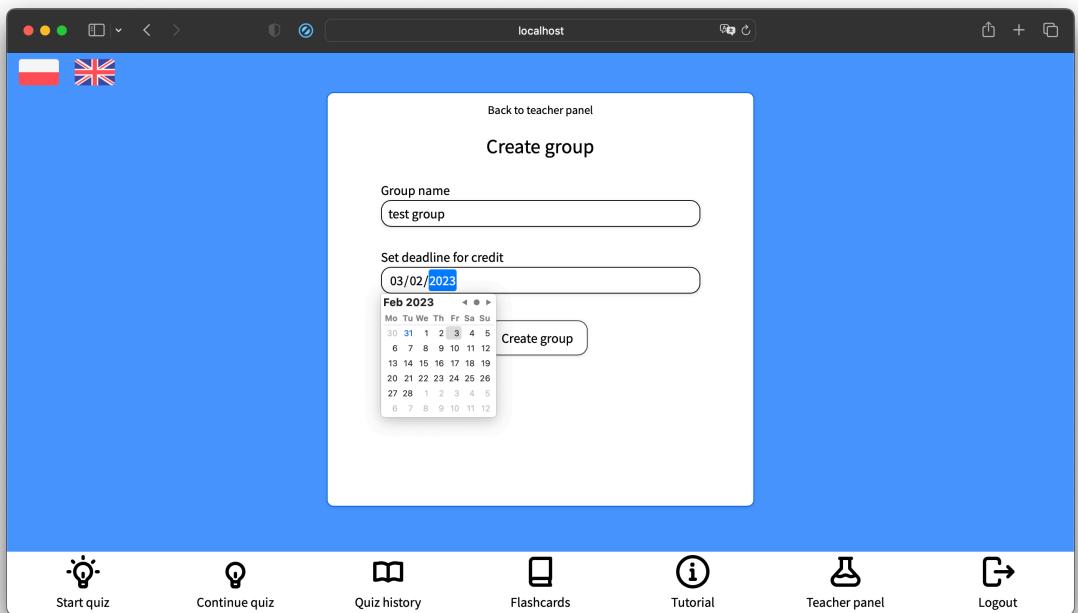
After navigating to the Teacher panel (bottom navigation bar) we are presented with two options:



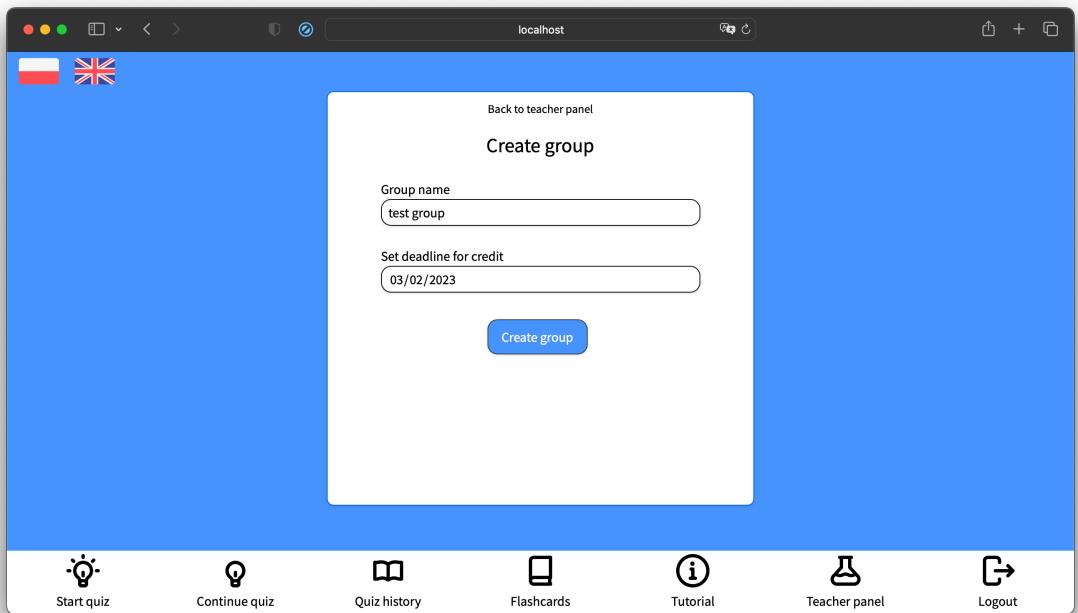
Let's discuss the **Create Group** option first:



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

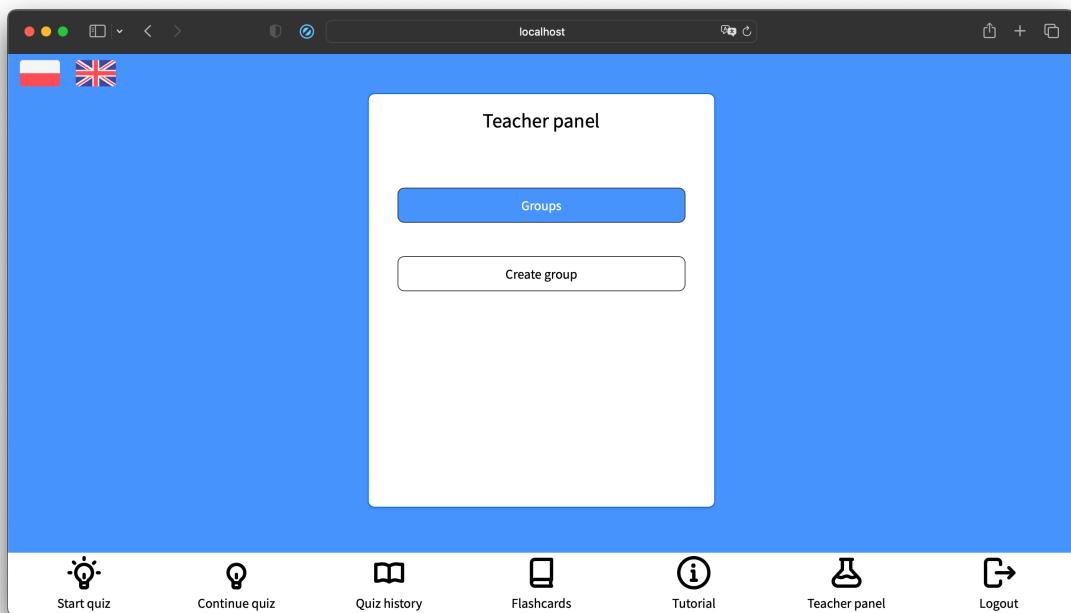
Create group

Group created successfully

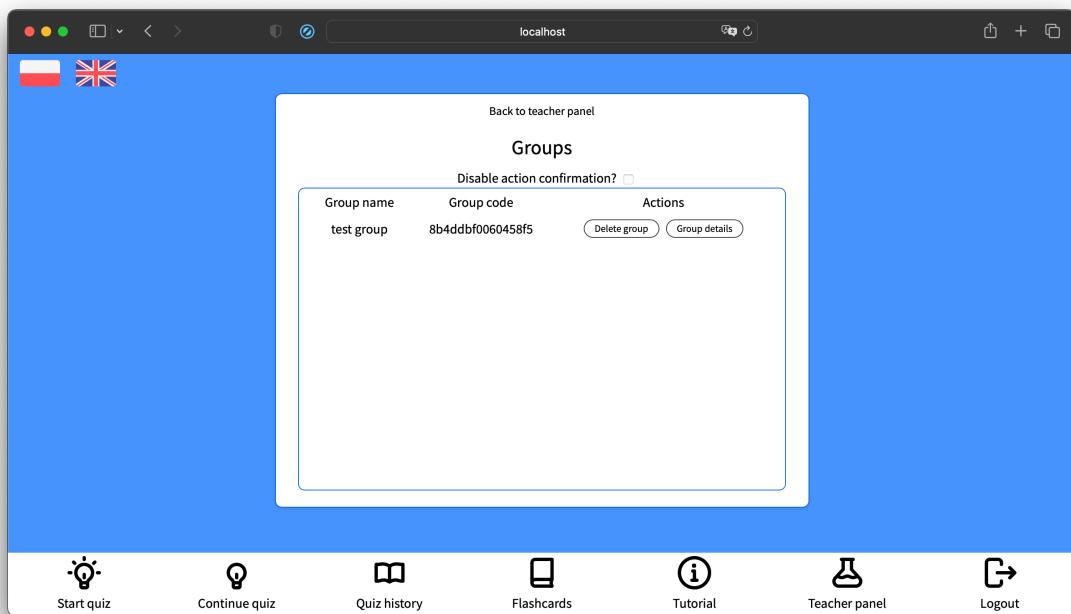
Group code:
8b4ddbf0060458f5

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

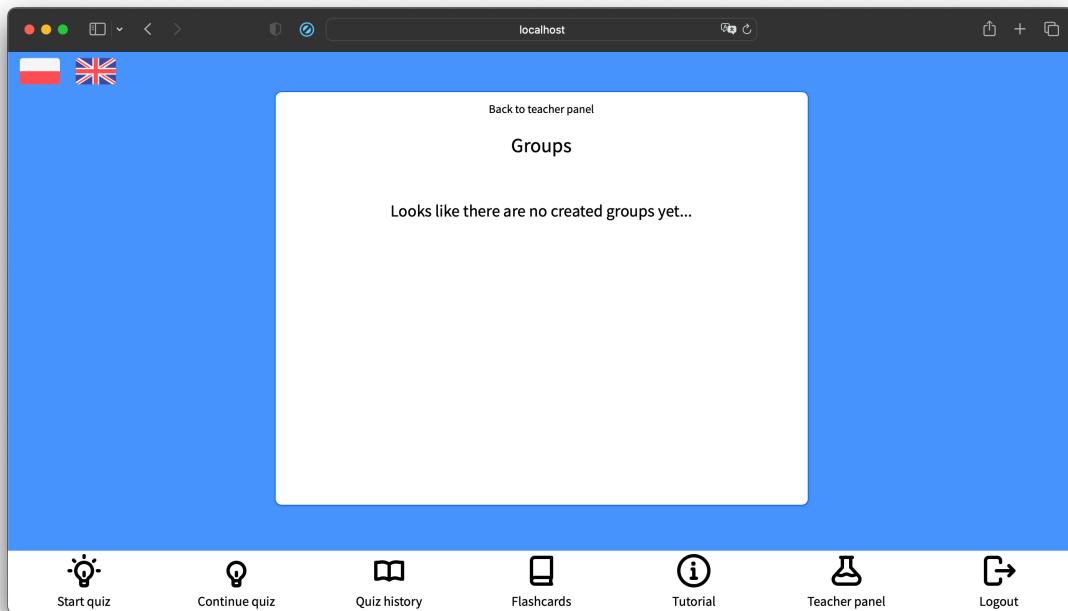
The "Delete group" button is circled in red. At the bottom of the page is a navigation bar with icons for "Start quiz", "Continue quiz", "Quiz history", "Flashcards", "Tutorial", "Teacher panel", and "Logout".

After clicking:

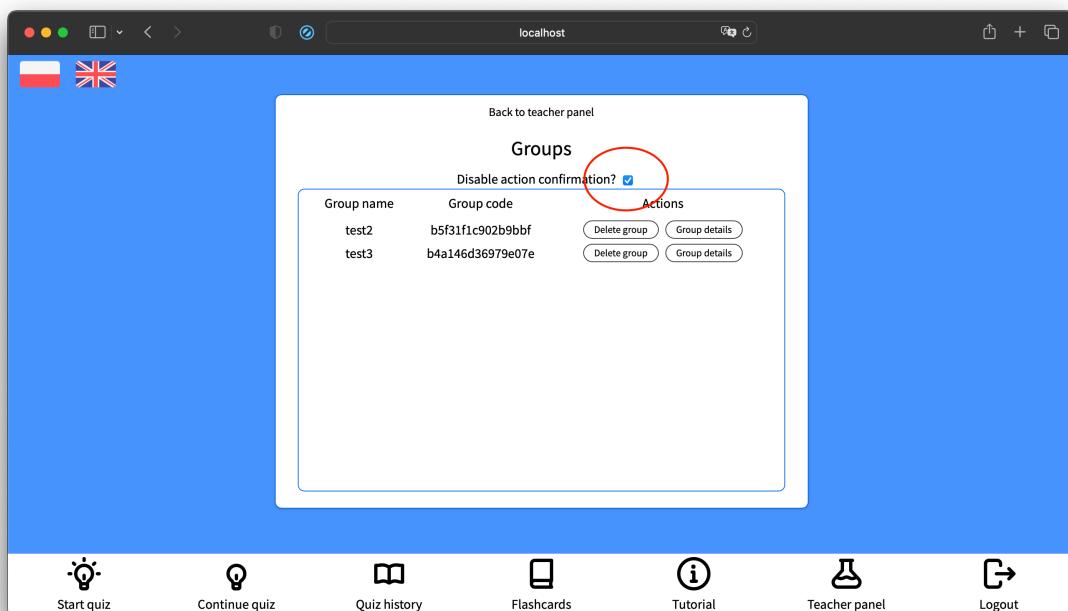
A screenshot of the same web application window after a click. A modal dialog box is centered on the screen with the question "Do you confirm you want to delete the data?". Below the question are two buttons: "No" and "Yes". The rest of the page content is dimmed.

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:

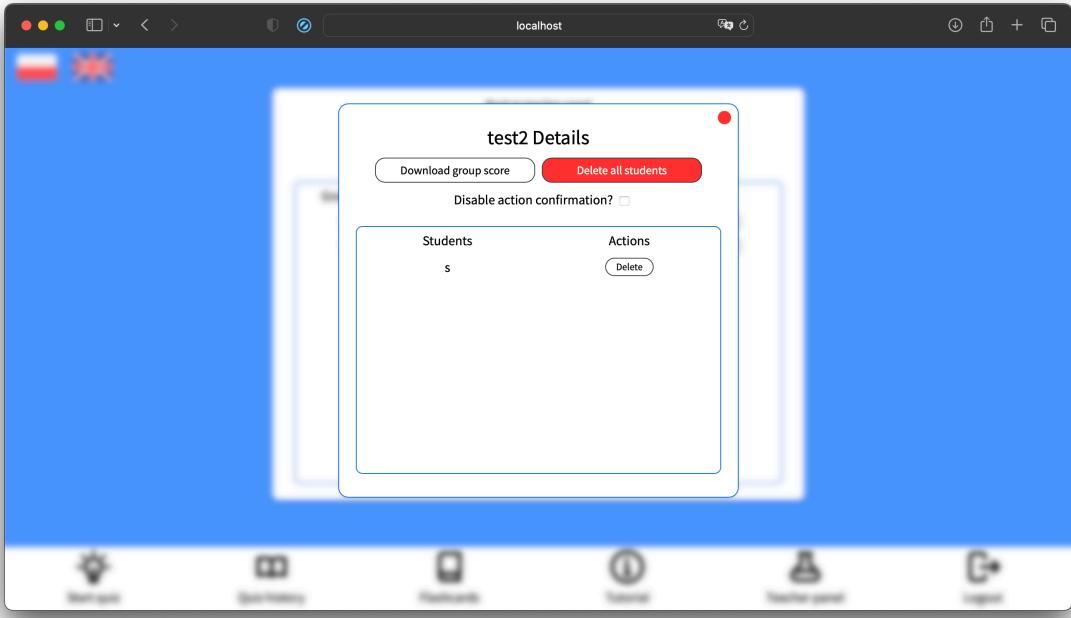
The screenshot shows a web browser window with a modal dialog and an adjacent Microsoft Excel spreadsheet.

Modal Dialog: The title is "test2 Details". It contains two buttons: "Download group score" (blue) and "Delete all students" (white). Below the 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".

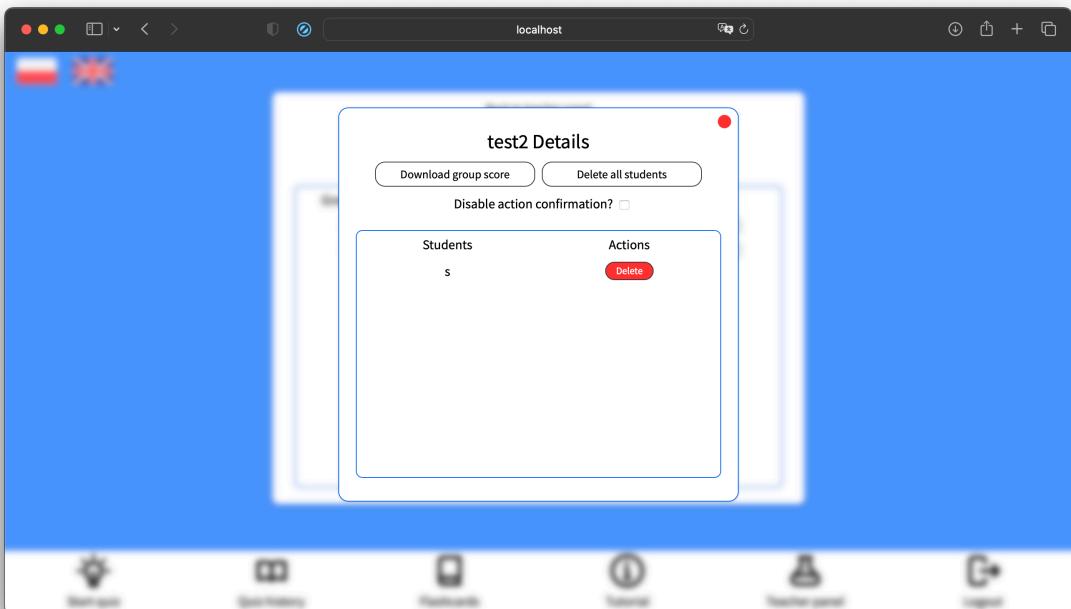
Microsoft Excel: The spreadsheet has a single sheet named "Sheet0". The first row contains "Grupa" and "test2". The second row contains "Deadline grupy" and "2023-02-08". The third row contains "email", "date", "PASS?", "Pathway 1", "Pathway 2", and "Pathway 3". The fourth row contains a blank cell, "date", and three empty cells under the pathway columns.

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

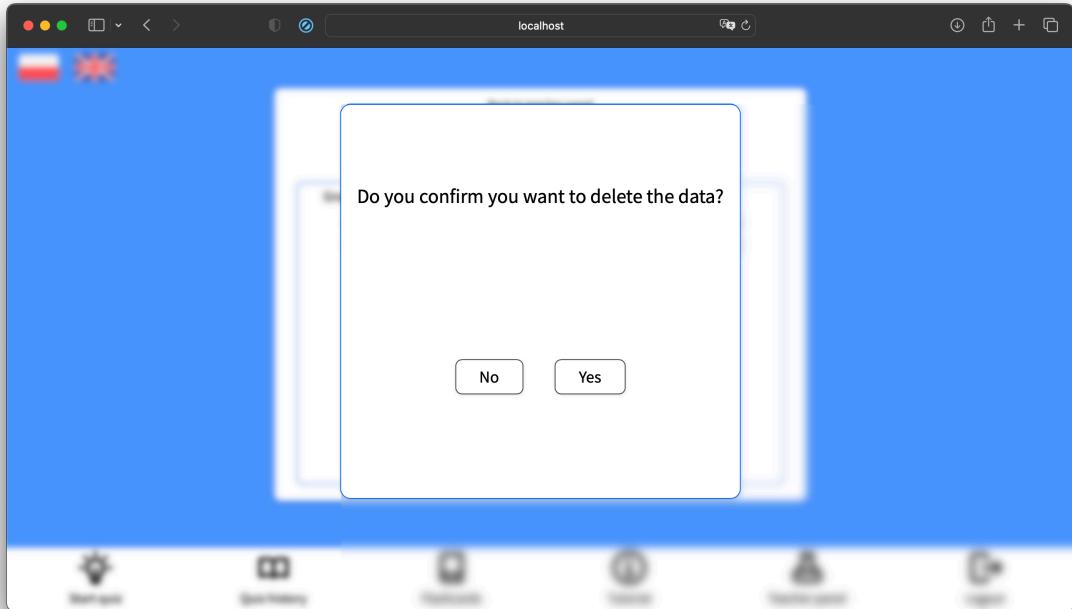
We may also delete all of the students



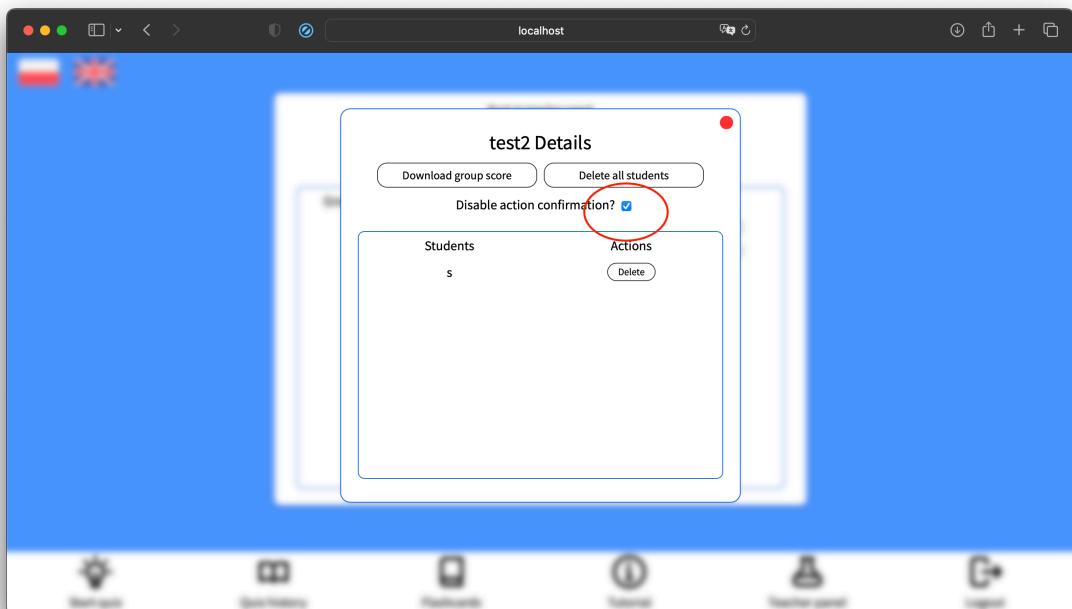
Or just one of them



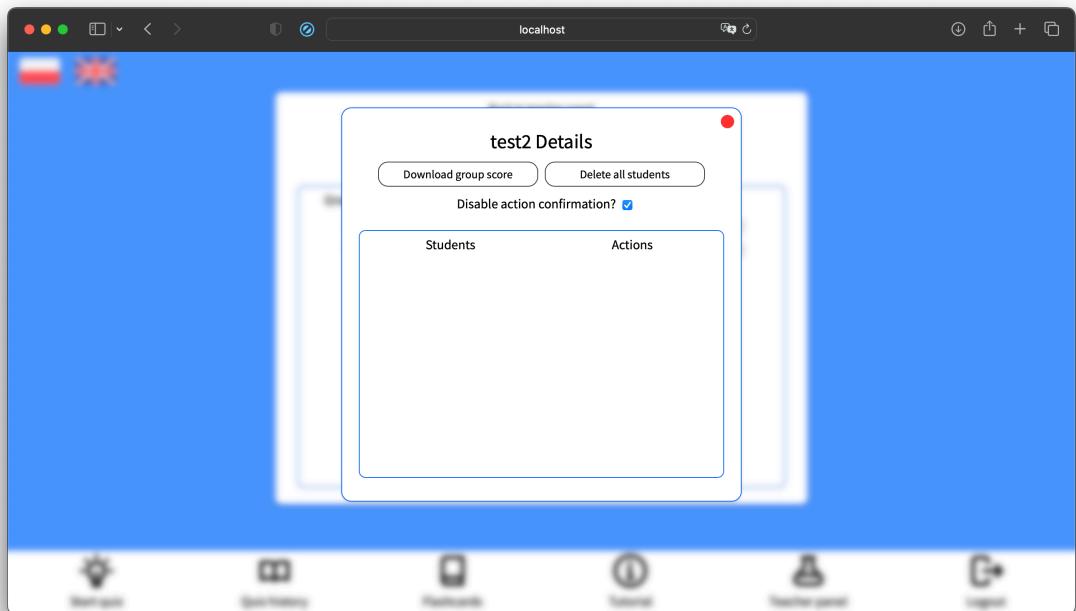
With the same confirmation as before popping up by default



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)

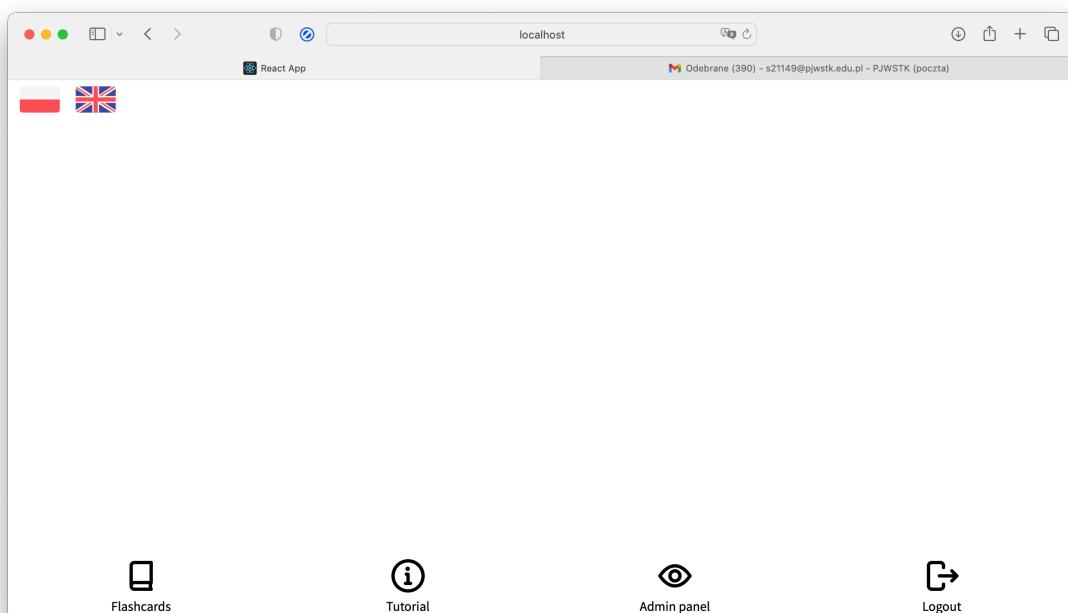


Same as previously, the students list will be updated when one or all are deleted:



Admin

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

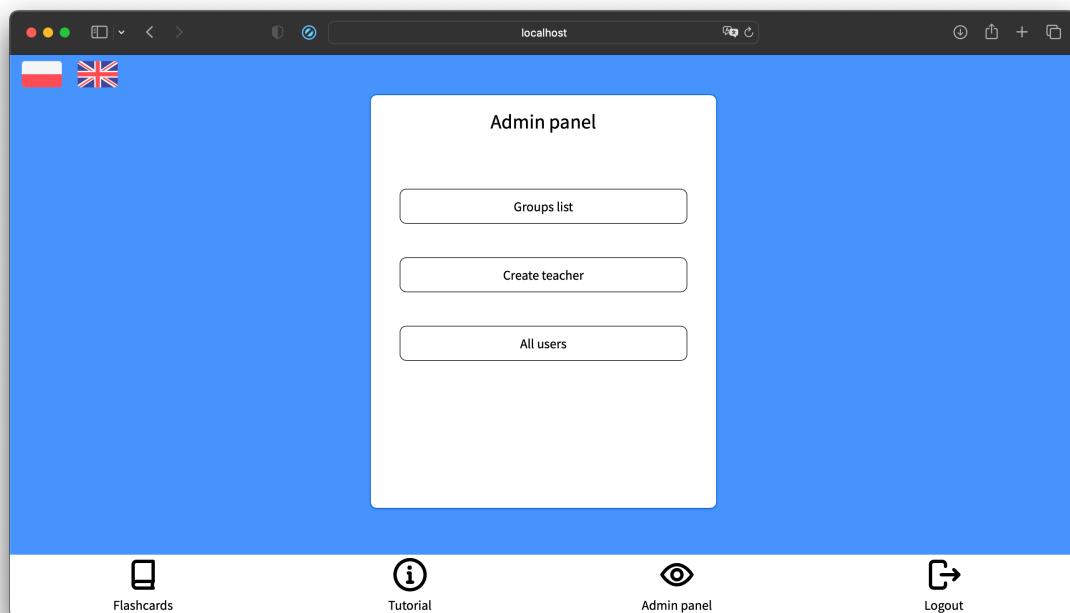


As we can see, there are 4 main functionalities visible:

- Flashcards
- Tutorial
- Admin panel
- Logout

Admin panel

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. The interface includes a top navigation bar with icons for flag selection (US and UK), a 'Back to admin panel' link, and a 'Disable action confirmation?' checkbox. Below this is a table with columns: 'Group name', 'Group code', 'Teacher username', and 'Actions'. The table contains two rows:

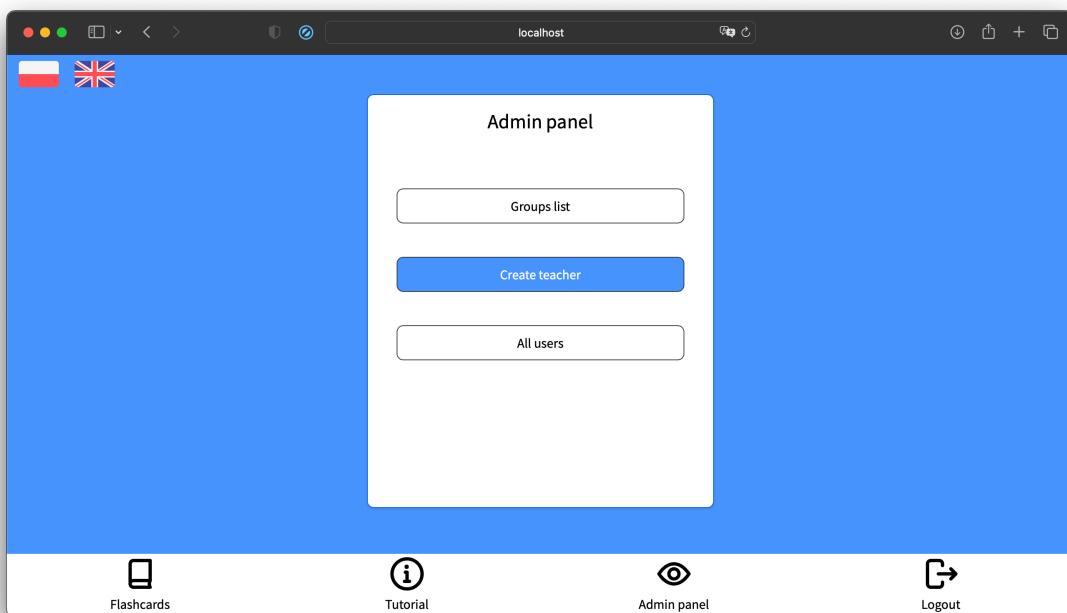
Group name	Group code	Teacher username	Actions
test2	b5f31fc902b9bbf	t	Delete group Group details
test3	b4a146d36979e07e	t	Delete group Group details

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

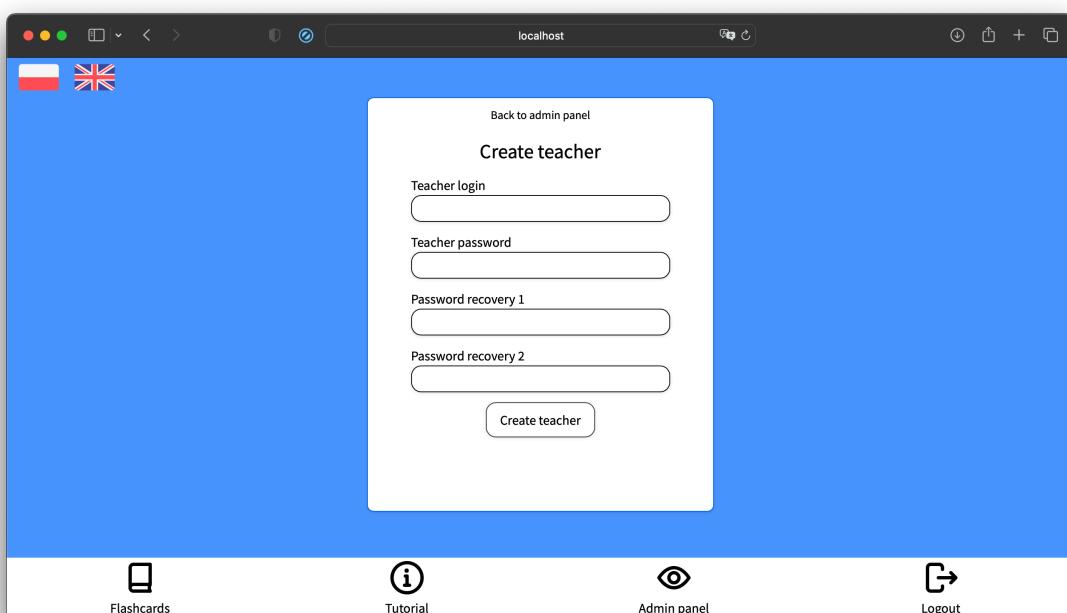
The rest of the functionalities of the groups are identical to the teacher's (described previously).

Admin panel > Create teacher

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

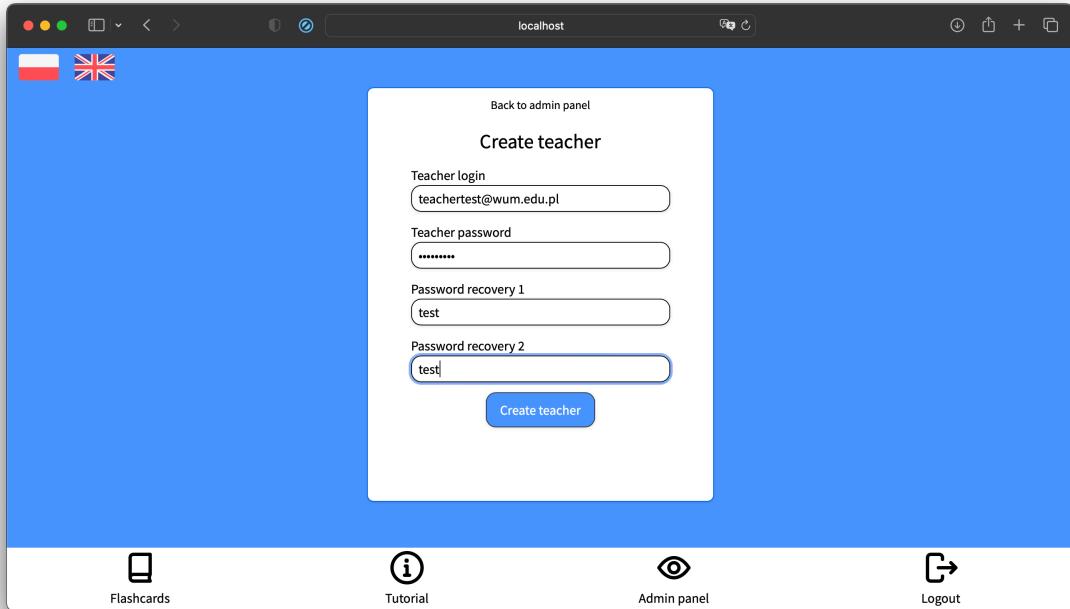


We are presented with a form used for creating new teachers.



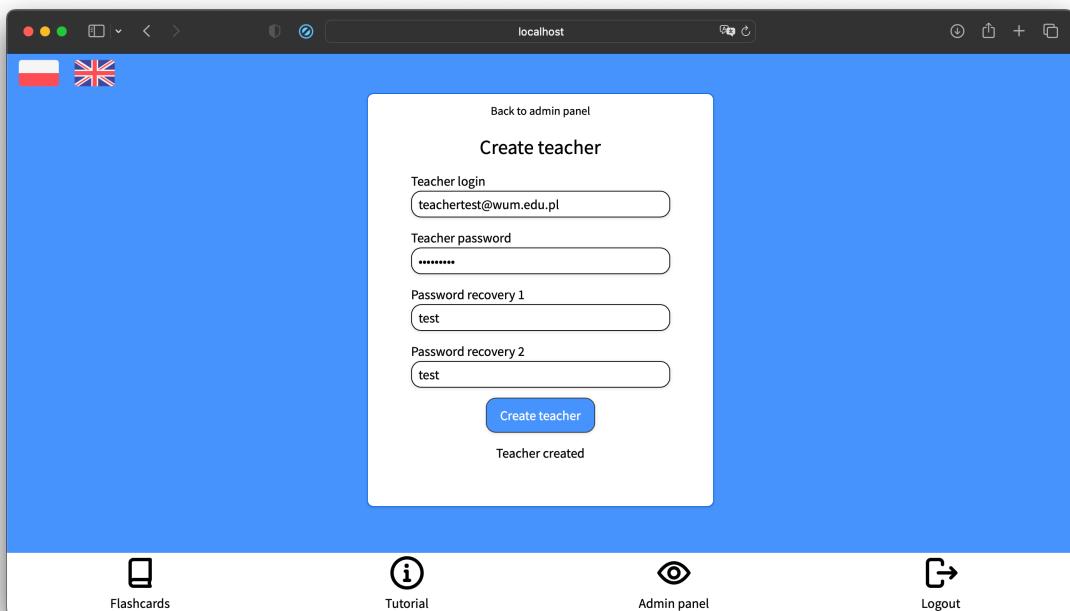
This is the **only** way to create new teachers in this application.

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):

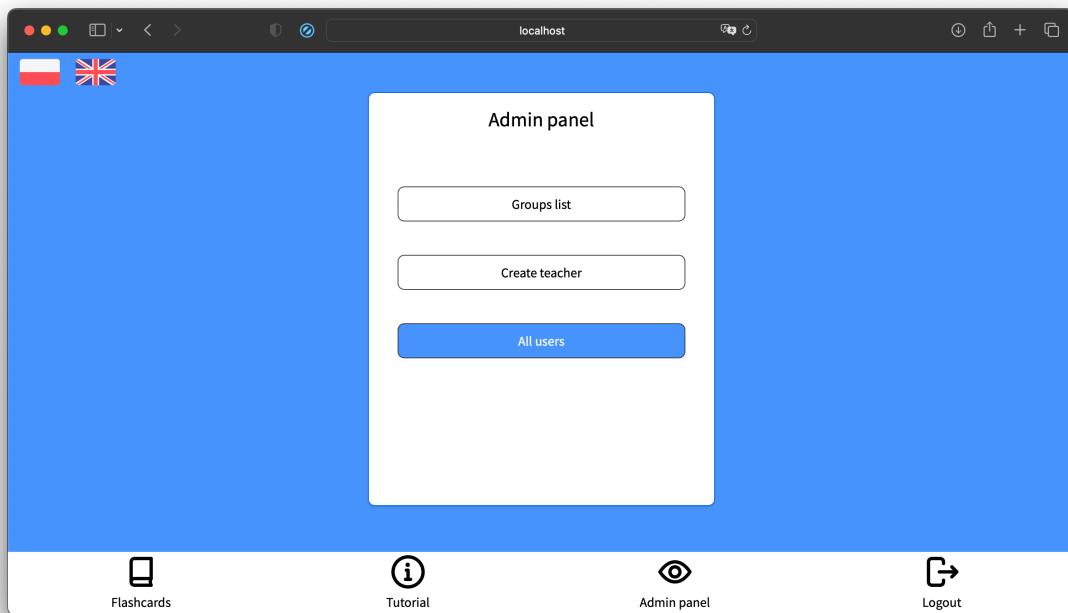
The screenshot shows a web application interface on a blue-themed page. At the top, there are two flags (Poland and UK) and a navigation bar with links for 'Flashcards', 'Tutorial', 'Admin panel', and 'Logout'. The main content area is titled 'Create teacher' and contains several input fields:

- 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.

A screenshot of the 'All users' page. At the top, there are 'Back to admin panel' and 'Delete all users' buttons. A checkbox for 'Disable action confirmation?' is checked. Below is a table listing users:

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

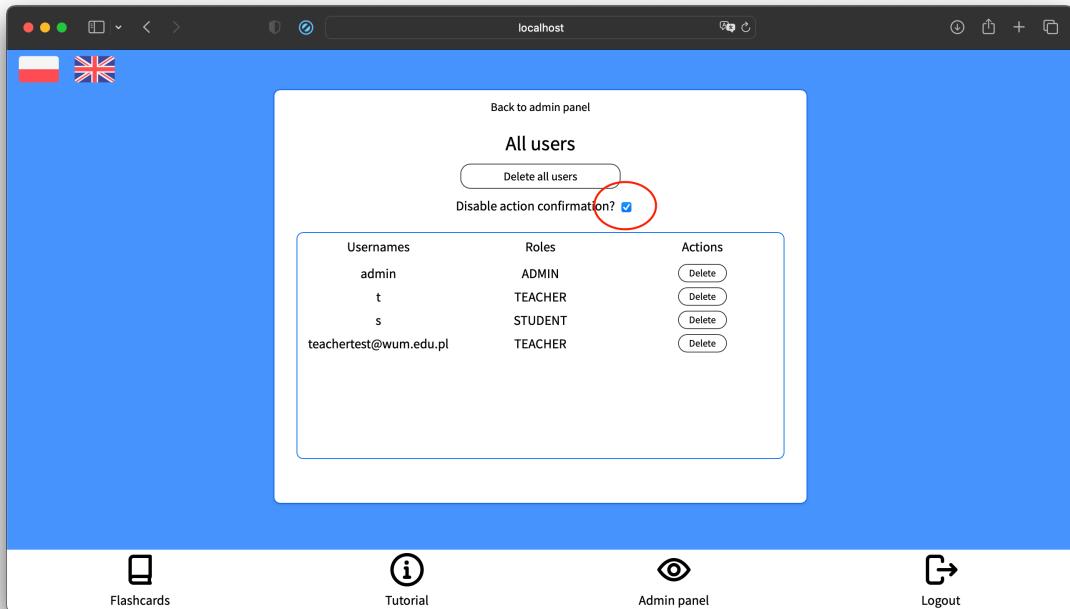
This screenshot shows the 'All users' page. At the top right is a 'Delete all users' button and a 'Disable action confirmation?' checkbox. Below is a table with columns 'Usernames', 'Roles', and 'Actions'. The data is as follows:

Usernames	Roles	Actions
admin	ADMIN	Delete
t	TEACHER	Delete
s	STUDENT	Delete
teachertest@wum.edu.pl	TEACHER	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 dialog is centered over the user list from the first screenshot.

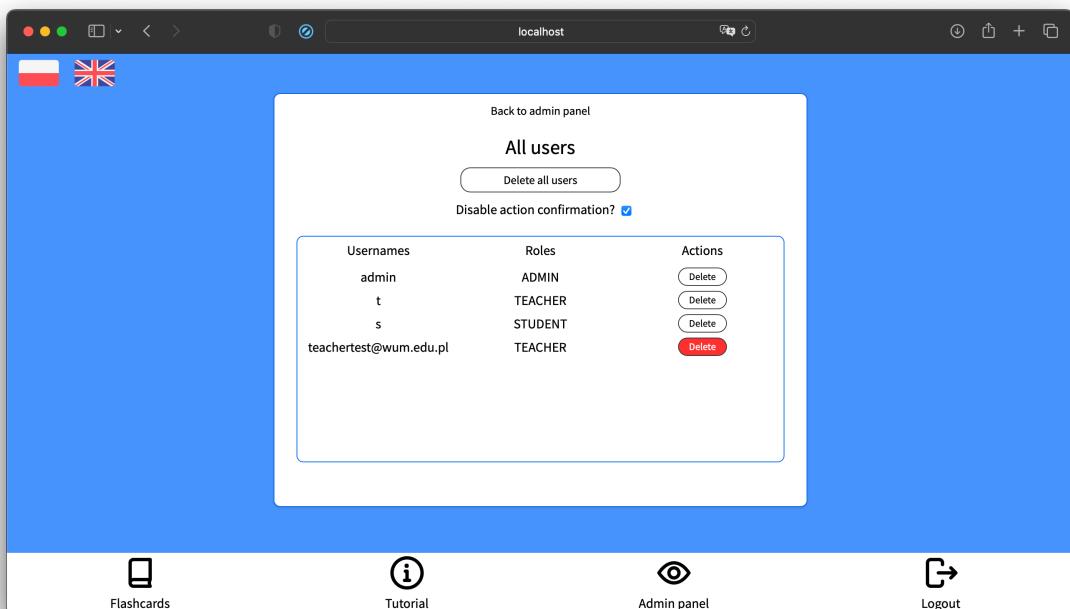
And as previously, we have the option to disable those warnings:



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 't' (TEACHER) 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:

localhost

Back to admin panel

All users

Delete all users

Disable action confirmation?

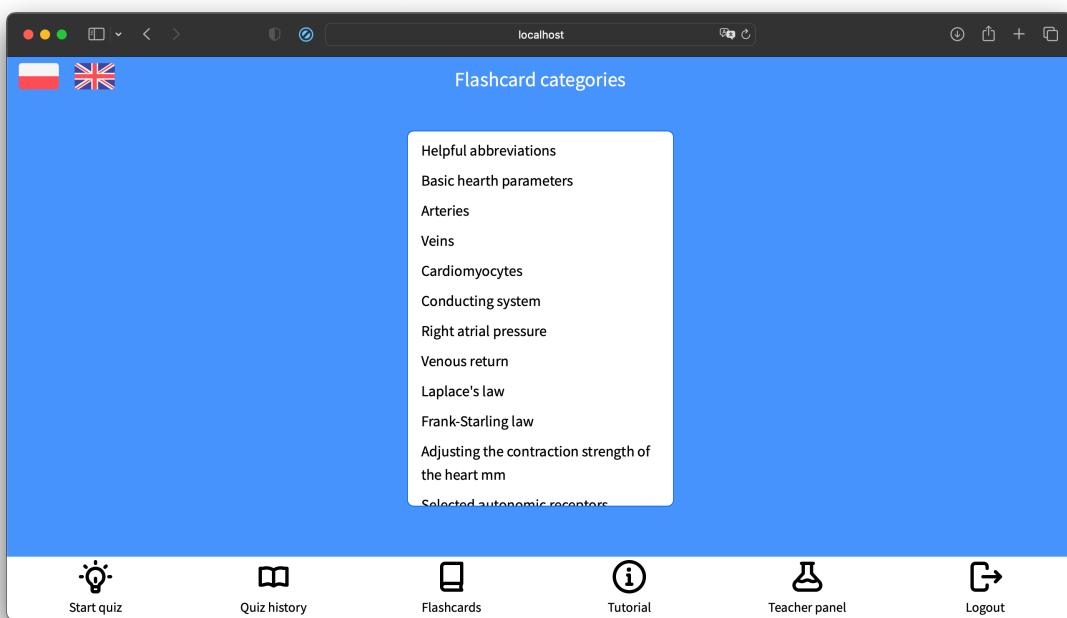
Usernames	Roles	Actions
admin	ADMIN	Delete

Flashcards Tutorial Admin panel Logout

Flashcards (Student, Teacher, and Admin)

This functionality is available for all 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: the Polish flag (white, red, white) and the British flag (Union Jack). A red circle highlights the Polish flag. The title "Flashcard categories" is centered above a white modal box. The modal box contains a list of medical terms in Polish:

- 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 box is a navigation bar with icons and text links: "Start quiz", "Quiz history", "Flashcards", "Tutorial", "Teacher panel", and "Logout".

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

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

Below the modal box is a navigation bar with icons and text links: "Rozpocznij quiz", "Historia quizów", "Fiszki", "Tutorial", "Panel nauczyciela", and "Wyloguj się".

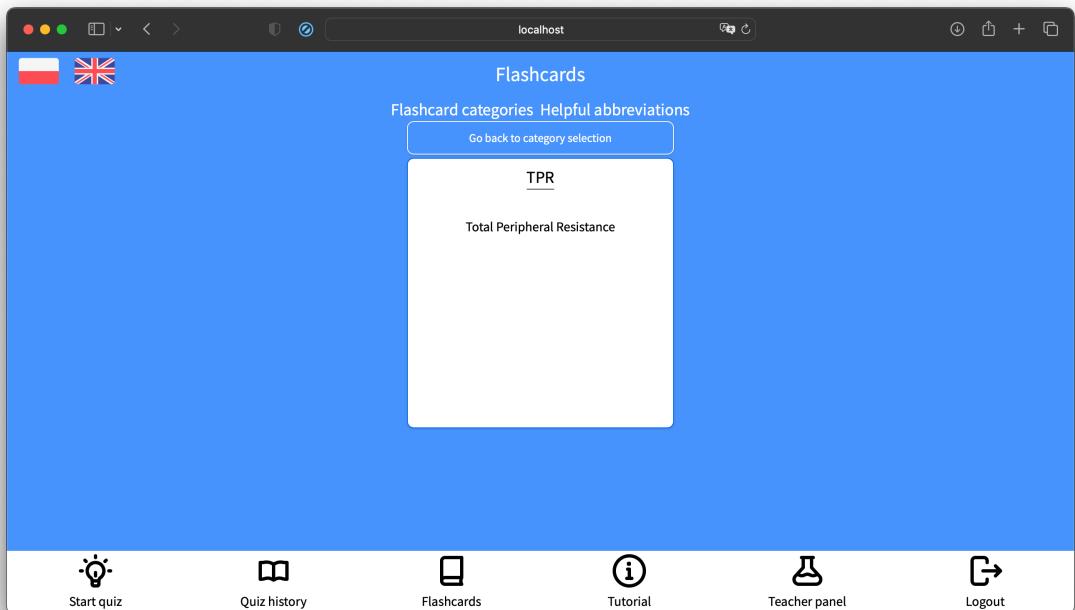
Let's select a category:

The screenshot shows a web application window titled "Flashcard categories". In the top left corner, there are two flags: Polish and British. The main content area displays a list of "Helpful abbreviations" in a white box with a blue border. The list includes: Basic hearth 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.

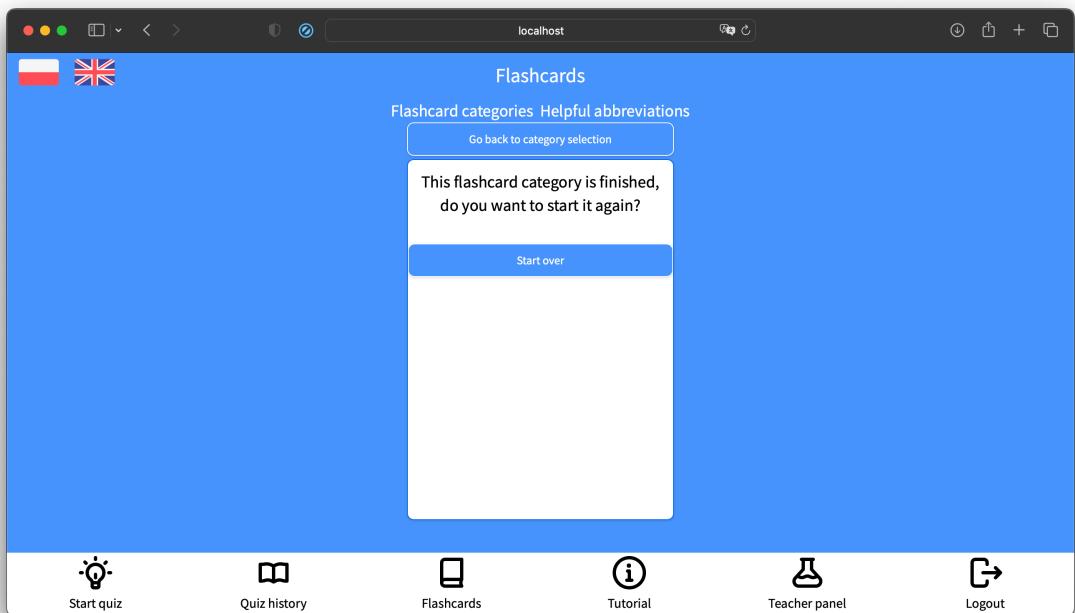
Here we can see a single flashcard from the set of flashcards, if we click on it

The screenshot shows a web application window titled "Flashcards". In the top left corner, there are two flags: Polish and British. 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, there is a link "Go back to category selection". Below the flashcard, there is a "Helpful abbreviations" section with a "Go back to category selection" link. 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.

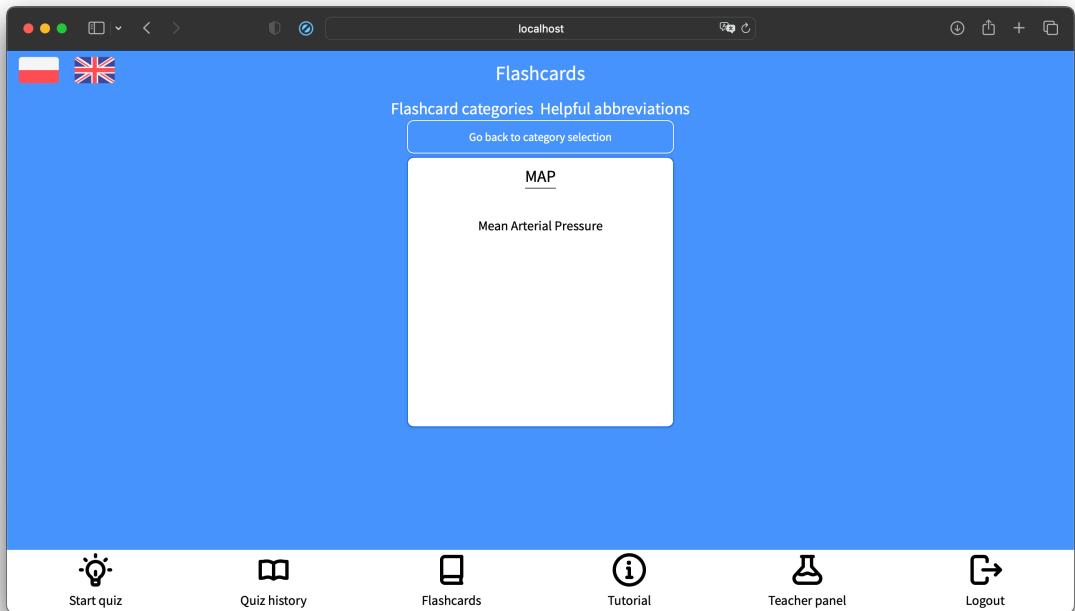
Then the next flashcards is shown:



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

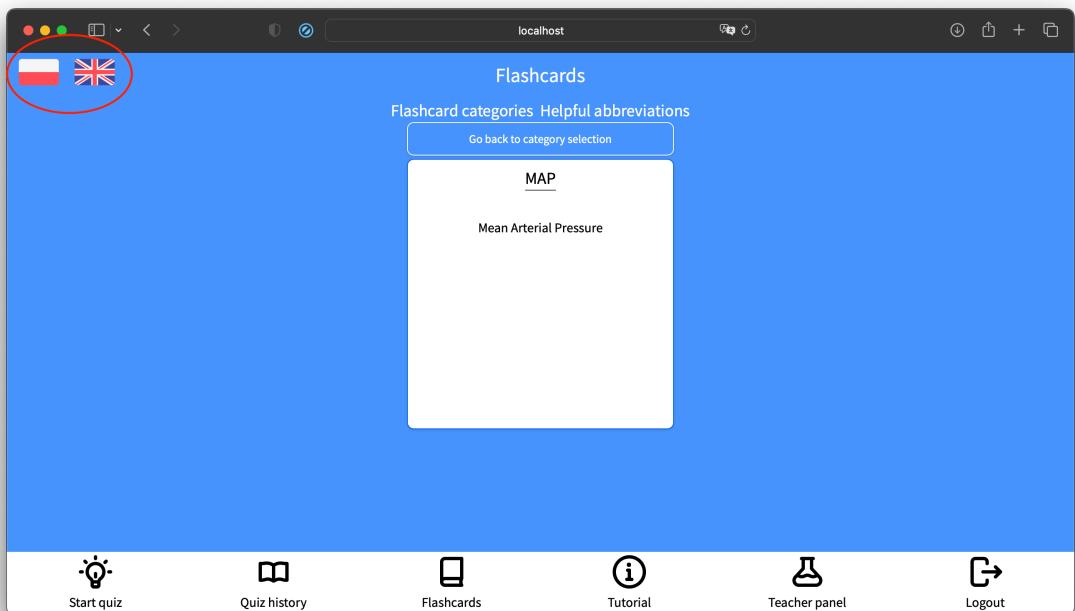


If we press the start over button, we are returned back to the first flashcard from the category:



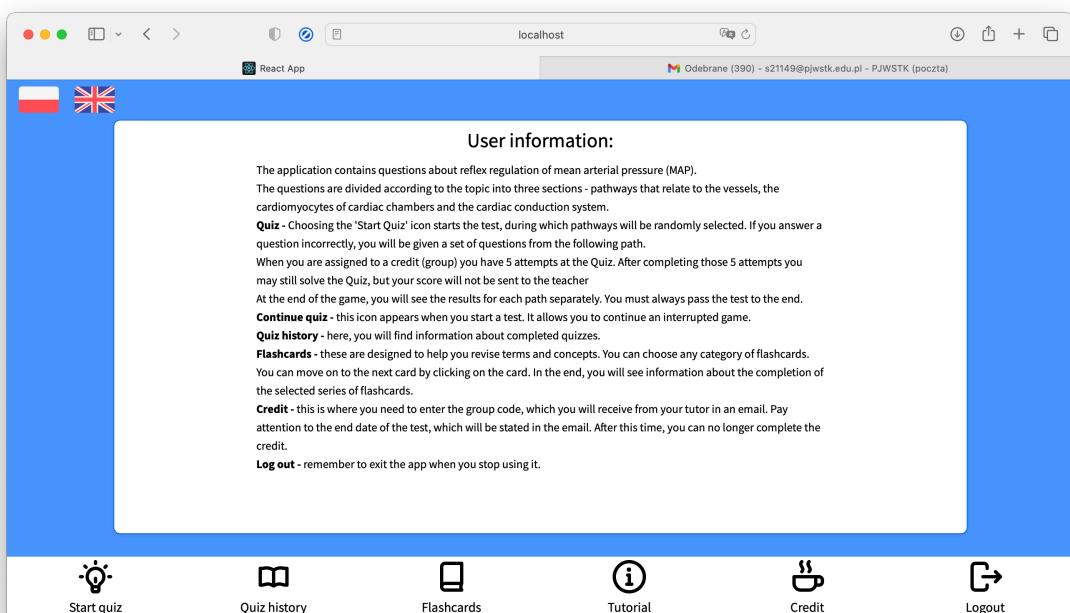
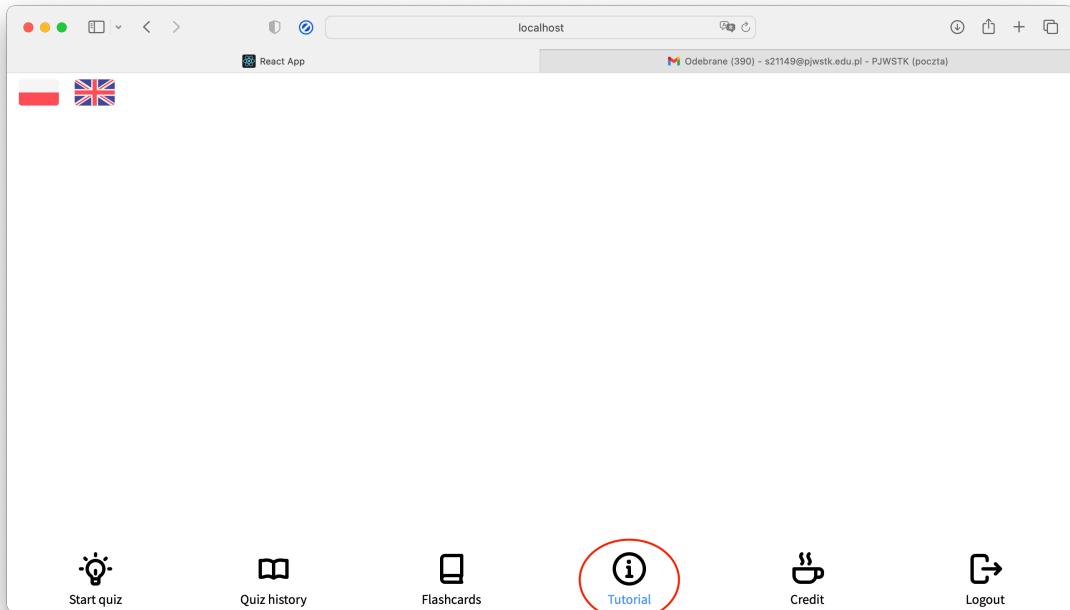
Important note:

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 - (Student)

As a student, we may take a look at the shorter manual for the student role specifically -



Both Polish and English options are prepared:

Aplikacja zawiera pytania dotyczące odruchowej kontroli średniego ciśnienia tętniczego (MAP).
Pytania zostały podzielone tematycznie na trzy części - ścieżki, które dotyczą naczyń, komórek roboczych komórek serca oraz układu bodźcoprzewodzącego.
Quiz - Wybór ikony „Rozpocznij Quiz” rozpoczęna test, w trakcie którego losowo zostaną wybrane Ścieżki.
Jeżeli jako student jesteś zapisany do zaliczenia, przystępuje c 5 prób podejścia do Quizu. Po wykorzystaniu wszystkich prób wciąż możesz podchodzić do Quizu, ale twoje wyniki nie będą zapisane u nauczyciela
Jeżeli odpowiesz nieprawidłowo na pytanie, wówczas otrzymujesz zestaw pytań z kolejnej ścieżki. Na końcu gry zobaczysz wyniki osobno dla każdej ze ścieżek. Test musisz przejść zawsze do końca.
Kontynuuj quiz - ikona pojawia się po rozpoczęciu testu. Umożliwia kontynuowanie przerwanej gry.
Historia quizów - tu znajdziesz informacje o zakończonych quizach
Fiszki - zostały przygotowane celem powtórzenia pojęć i terminów. Możesz wybrać dowolną kategorię fiszek.
Po kliknięciu na fiszkę możesz przejść do kolejnej. Na końcu informację o zakończeniu wybranej serii fiszek.
Zaliczenie - w tym miejscu musisz wpisać kod grupy, który otrzymasz od nauczyciela prowadzącego w emailu.
Zwróć uwagę na termin zakończenia testu, który zostanie podany w emailu.
Po tym czasie będziesz mógł rozwiązywać quiz, ale nie możesz już wykonać zaliczenia.
Wyloguj się - pamiętaj o zamknięciu aplikacji, gdy przestaniesz z nią korzystać.

Rozpocznij quiz Historia quizów Fiszki Tutorial Zaliczenie Wyloguj się

Tutorial - (Admin and Teacher)

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

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

The screenshot shows a web browser window with a blue header bar. In the top left corner of the header are two flags: Polish and English. The main content area contains a white box with the following text:

Short manual for the admins and teachers:

User navigates through the application via the bottom panel
Here are it's functions:
Start quiz - starts new quiz (teacher and student only)
Continue quiz - enables the user to continue the quiz (only if the user has a quiz in progress)
QuizHistory - Shows the quiz history, or the information if the user does not have any quizzes completed
Flashcards - Enables the user to access the flashcards, after clicking the user is redirected to (scrollable) flashcards categories view, after clicking the category the user click on the flashcard to progress until they are depleted
Teacher - Teacher panel - Here we have two options - **Group** and **Create Group**
Group enables us to manage the group and it's students
Create group enables us to create a new group and view it's code
Admin - Admin panel - Here we have three options - Groups list, create teacher, All users
Groups List - Here the Admin can manage and inspect groups created by all of the teachers
Create Teacher - Here the Admin can create a new teacher
All users - As an Administrator we have access to view all of the users and delete them
Logout - Logout option

Below this box is a navigation bar with several icons and labels:

- Start quiz (lightbulb icon)
- Quiz history (book icon)
- Flashcards (square icon)
- Tutorial** (info icon)
- Teacher panel (test tube icon)
- Logout (exit icon)

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

The screenshot shows a web browser window with a dark header bar. In the top left corner of the header are two flags: Polish and English. The main content area contains a white box with the following text:

Krótką instrukcję obsługi dla nauczycieli i administratorów

Użytkownik nawiguje w aplikacji używając dolnego panelu.
Oto jego poszczególne funkcje:
Rozpocznij quiz - Rozpoczyna nowy quiz. (tylko Nauczyciel i Student)
Kontynuuj quiz - Umożliwia kontynuację quizu.(dopiero gdy użytkownik ma rozpoczęty quiz)
Historia quizów - Pokazuje historię quizów, lub informacje, gdy użytkownik nie ukończył jeszcze żadnego quizu
Fiszki - Umożliwia korzystanie z fiszek, po kliknięciu jesteśmy skierowani na kategorie fiszek (można scrollować) i po kliknięciu w kategorię przeglądamy fiszki klikając na nie, dopóki się nie wyczerpią
W tym elemencie pokazują się funkcjonalności w zależności od naszej roli
Nauczyciel - Panel nauczyciela - Mamy dwie opcje - **Grupy** oraz **Stwórz grupę**.
Grupy umożliwiają nam zarządzanie grupami.
Stwórz grupę umożliwia nam utworzenie grupy i otrzymanie jej kodu
Admin - Panel Administratora - Mamy trzy opcje - Lista grup, Stwórz nauczyciela, Wszyscy użytkownicy.
Lista grup - Administrator magląd do grup na tym samym poziomie co nauczyciel i może zarządzać grupami wszystkich nauczycieli
Stwórz nauczyciela - Tutaj możemy stworzyć nauczyciela (nie jest to dostępne z poziomu rejestracji)
Wszyscy użytkownicy - Jako administrator mamy wgląd do wszystkich użytkowników i możemy ich usuwać
Wyloguj się - opcja do wylogowywania

Below this box is a navigation bar with several icons and labels:

- Rozpocznij quiz (lightbulb icon)
- Historia quizów (book icon)
- Fiszki (square icon)
- Tutorial** (info icon)
- Panel nauczyciela (test tube icon)
- Wyloguj się (exit icon)

End