

Welcome to Examiner documentation

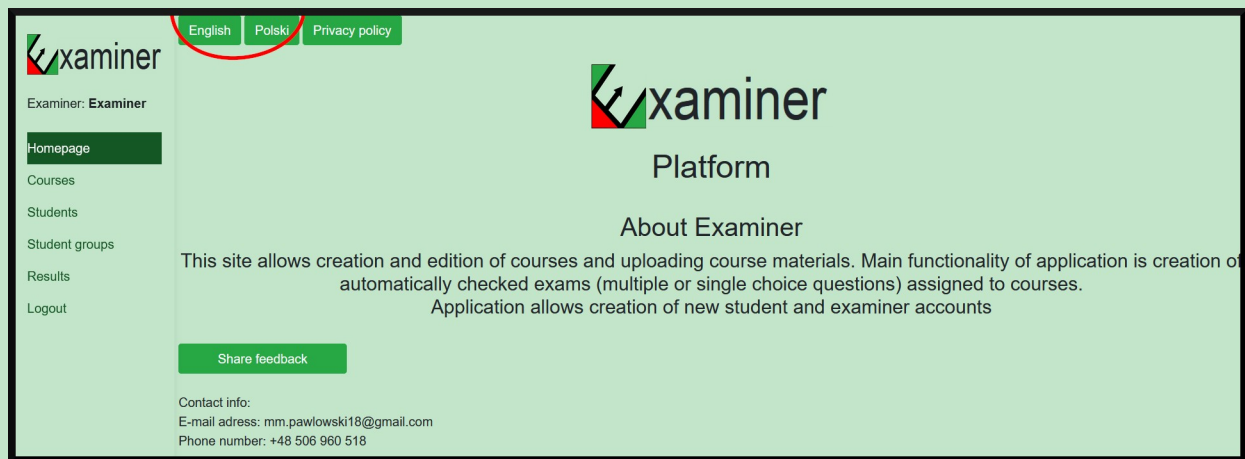
1. Introduction

This instruction material was prepared in order to introduce users to e-learning web application Examiner. It explains how to use various features provided by application for examiner user, such as creation and edition of courses, creation and edition of exam questions and answers. As well as appending learning resources, user management in the form of creation and edition of student groups, making student accounts and viewing result displays for a given course or student. We wish you pleasant and easy usage of our application.

Mateusz Pawłowski

2. Homepage

Homepage contains name and icon of e-learning platform. There you can find button for sharing opinions and what's more important – option to choose language. If website is displayed in wrong language you should press „English” button situated at the top of the screen.



3. Courses

Courses are essential element of Examiner app since the purpose of e-learning platform is transmission and evaluation of knowledge.


3.1. Course list

Name	Category	Lesson amount	Question amount	Test duration
Buddhist Teology	Philosophy and Religion	1	2	10
Elementary Geometry	Mathematics	0	0	0
Daoist Philosophy	Philosophy and Religion	0	3	15
Music Theory	Art	0	3	0

Course list is presented as a table containing information about all courses made for platform. Information such as: course name, category, amount of lessons assigned to course, amount of questions made for courses exam and exam duration in minutes. Clicking on course name redirects to course detail view (from which edition can be accessed). Above table search field is located- search by name or by category is available. It filters table so that only fitting courses would be displayed. Above search field „Create new” button is present which redirects to course creator

3.2. Course creation

Creator is used for creation of new course. It is sufficient to enter course name, optionally category. Even if initially no category is given it is still possible to pass it in edition. In order to shape course further edition is necessary. Course name can be edited as well. Course once created can only be deleted by platform administrator so caution is advised during course creation.



Examiner: **Examiner**

- Homepage
- Courses
- Students
- Student groups
- Results
- Logout

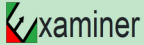
Create new course

Course name:

Category (optional):

Create

3.3. Course detail view



Examiner: **Examiner**

- Homepage
- Courses
- Students
- Student groups
- Results
- Logout

Course information

Course name: **Buddhist Teology**


Category: **Philosophy and Religion**

Question type: Single choice	Attempt amount: 3
Exam duration: 10 minutes	Total question amount: 2
Amount of questions given to student: 2	Amount of correct answers required to pass the exam: 1
Lesson amount: 1	Test status: Exam ready

Edit Back

Course detail view allows access to course edition with „Edit” button. More detailed information about course is displayed there such as: name, category, question type, amount of lessons appended to course, duration of exam attached to course, amount of questions that it contains and minimum score required to pass as well as amount of attempts student have to pass that exam.

3.4. Course edition



Examiner: **Examiner**

- Homepage
- Courses
- Students
- Student groups
- Results
- Logout

Edit course **Buddhist Teology**

Course name:

Course category:

Attempt amount:

Exam duration:

Question type:

☐ Multiple choice
☒ Single choice

Amount of questions given to student:

Amount of correct answers required to pass the exam:

50%

Exam ready ☒

Save changes

Course edition view is elaborate and allows changes in basic attributes as well as viewing, creation and edition of exam questions, browsing and appending lessons and attaching course to student groups.

3.4.1. Basic attributes

At the top of edition view a form that is used for editing course basic aspects is placed. First from top there are text fields for changing course name and category (or giving a category when there's none). Category can be removed by leaving category field blank and saving. Further are fields corresponding to amount of attempts that students can take to pass exam before course will be considered failure and exam duration in minutes. If duration is set to 0 exam will have unlimited duration which is not advised because in such scenario students could do exam over days or weeks.

3.4.1.1. Question type

Beneath test duration option for choosing question type is present. Even when questions are added to course their type can still be changed. In case of switch from single to multiple choice there are no side effects. In case of switch from multiple to single choice it is advised that each question would be edited so that proper answer would be marked as correct. Even when entering question edition would display correct answer being marked as correct it might still be necessary to press „Change” button to save it, otherwise problems might occur.

3.4.1.2. Question amount and passing score

Beneath question type a field is present that defines amount of questions that will be given to students during exam. From this value maximal score is derived. If entered amount is greater than amount of questions created for the exam then students will be prevented from attempting exam as if „Exam ready” mark would be unchecked. Below is field defining amount of correct answers needed for passing course. Therefore it is minimal score required for passing. Platform administrator can set grades achieved above certain % however these do not affect passing courses. At the end of the form „Exam ready” checkbox is present. If it's not checked students can't attempt exam. It's purpose is to make sure that students can only attempt exams that are ready or to delay time when students can pass for other reasons.

3.4.2. Lesson zone

The screenshot shows the 'Lessons' section of the Examiner interface. On the left is a sidebar with the Examiner logo and a navigation menu: Examiner: Examiner, Homepage, Courses, Students, Student groups, Results, and Logout. The main content area has a 'Back' button at the top. Below it is a 'Lessons' dropdown menu. The section is titled 'Add new lesson' with the instruction '(attach learning resource as pdf)'. There is a 'Lesson topic:' label followed by a text input field. Below the input field is a file selection button labeled 'Przeglądaj...' with the text 'Nie wybrano pliku.' and an 'Add lesson' button. At the bottom, it says 'Amount of lessons attached to course:' followed by a link 'Buddhas Hagiography' and a 'Remove lesson' button.

Under basic attributes form „Lessons” button is located. Pressing it shall unravel lessons section. It is composed of form that allows for appending new lesson to course by entering lesson name and file which is supposed to be appended. Name of file and lesson don't have to be similar. Beneath form list of all lessons appended to the course is situated. Lessons can be deleted by pressing „Remove lesson” button next to lesson name. Clicking on name redirects to lesson detail view.

The screenshot shows the detail view of a lesson. The sidebar is the same as in the previous screenshot. The main content area shows the lesson title 'Buddhas Hagiography rita.pdf' and three links: 'Change topic', 'Change learning resource', and 'View lesson'. Below these links are 'Delete' and 'Back' buttons.

Detail view allows change to topic, file attached to lesson as learning resource, lesson deletion as well as access to learning resource.

3.4.3. Student group zone

The screenshot shows the 'Student Groups' section of the Examiner interface. The sidebar is the same. The main content area has a 'Lessons' dropdown menu and a 'Student Groups' dropdown menu. The section is titled 'Add new student group' with the instruction '(enter name of group that will be assigned to the course)'. There is a text input field for the group name and a 'Course deadline:' label followed by a date input field. Below these is an 'Assign' button. At the bottom, it says 'Groups assigned to course **Buddhist Teology**' followed by a link 'Student group'. Below the link is a table with one row showing the deadline 'Nov. 11, 2022, midnight(Deadline expired)' and three buttons: 'Change deadline', 'Report', and 'Remove'.

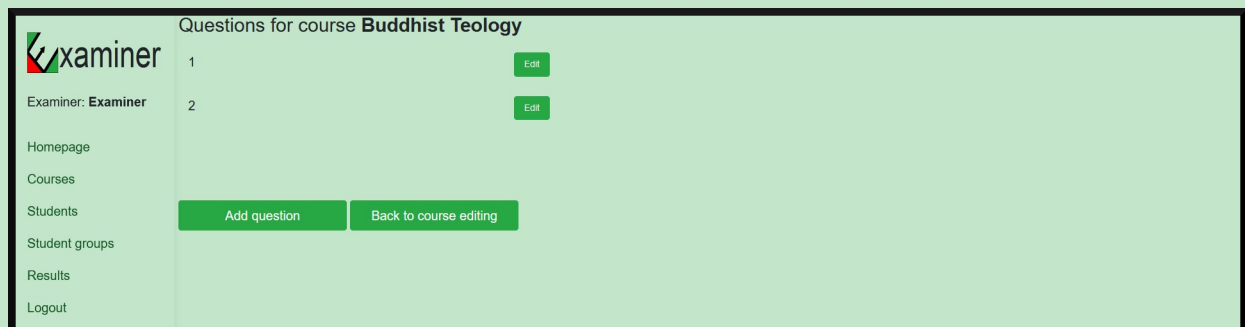
Under lesson zone „Student groups” button is located. Pressing it unravels student group zone. At the top of zone a form is situated that allows for appending of student groups to course. In order to use it both student group and end deadline date until which course exam must be passed (could be put in many formats, like YYYY-MM-DD) have to be entered. Under form there is list of groups attached to course with information about deadlines (and a button next to it that allows deadline change), as well as „Remove” button that unassigns course from group and report button that shows pdf file with information and each student from the group passing or failing the course and percentage scores or grades (depending on platform admin choice). Clicking on group name redirects to group edition.

More about student groups can be found in chapter **5. Student Groups**.

3.5. Exam questions

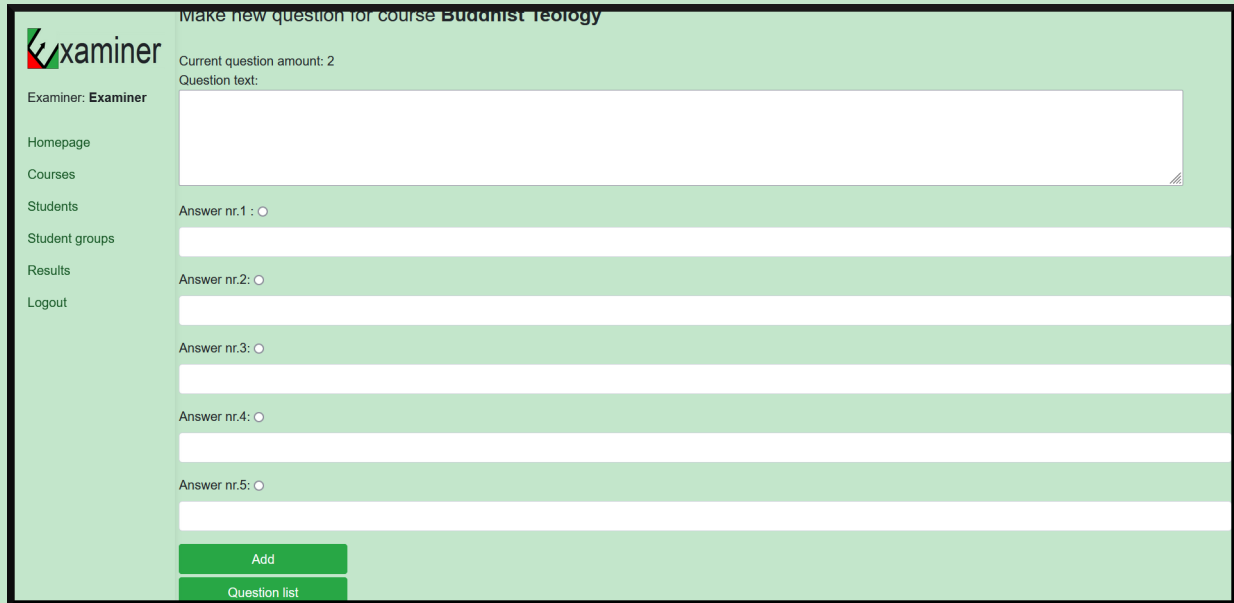
At the very bottom of course edition view there are buttons that allow creation of new exam question and viewing list of already created questions. There could be more questions than amount declared as „amount of questions given to student” (maximal score), in such scenario student are not going to get all defined question on exam but only a randomly selected slice of them. Questions are given in random order, however order of answers is always displayed in the same order as during question creation/edition.

3.5.1. Question list



Questions are numbered in order in which they were added. Question list view allows for question edition, return to course edition or creation of new question. In order to delete question it is necessary to enter question edition.

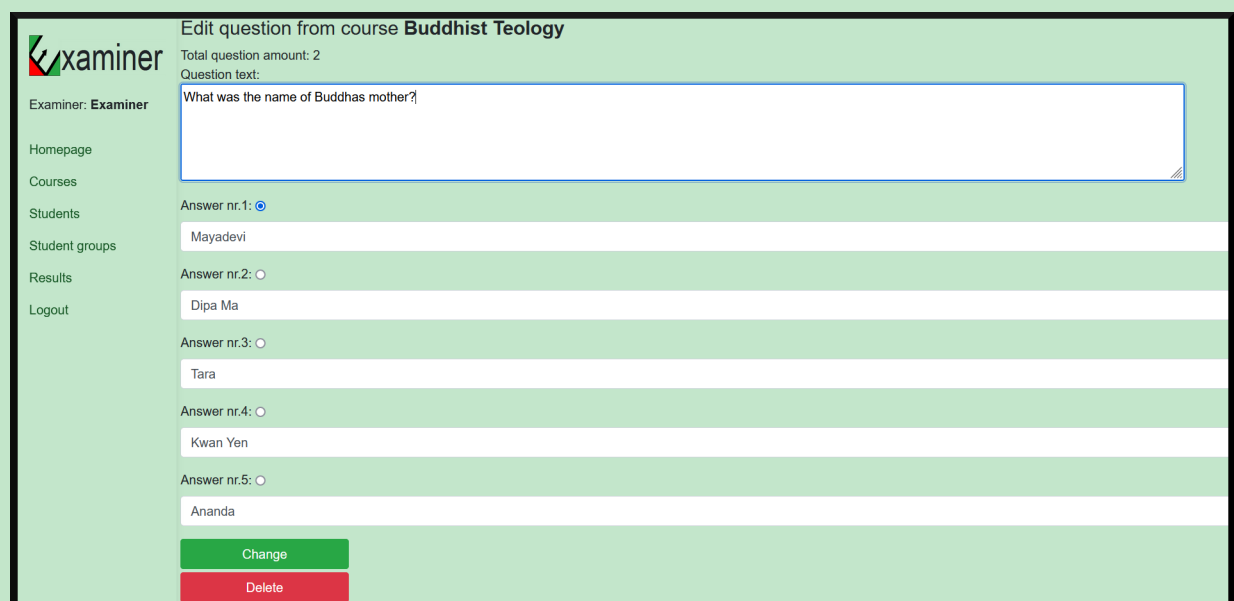
3.5.2. Question creation



The screenshot shows the 'Make new question' interface for the course 'Buddhist Teology'. On the left is a sidebar with the 'xaminer' logo and navigation links: Examiner: Examiner, Homepage, Courses, Students, Student groups, Results, and Logout. The main area has a title 'Make new question for course Buddhist Teology'. Below the title, it shows 'Current question amount: 2' and a 'Question text:' label followed by a large text input field. Below the text field are five answer fields, each with a label 'Answer nr.1:' through 'Answer nr.5:' and a radio button to its left. At the bottom of the main area are two green buttons: 'Add' and 'Question list'.

Question creator can be accessed either from course edition view or question list. At the top course name is located (as well as if question is created or edited), beneath it is counter that shows how many questions were already created. Under counter text field is situated into which question text/content is entered. Under that field there are 5 answer fields. Every question can have from 2 to 5 answers. Answers no. 1 and no. 2 must be always filled, filling only answer no. 1 and no. 3 is not going to work. To the right of answer number there is radio button which marks the right answer (or answers in case of multiple choice questions). At the bottom there are two buttons that add question to question list or redirects to that list view. Adding question clears the fields so that examiner could easily add question after question.

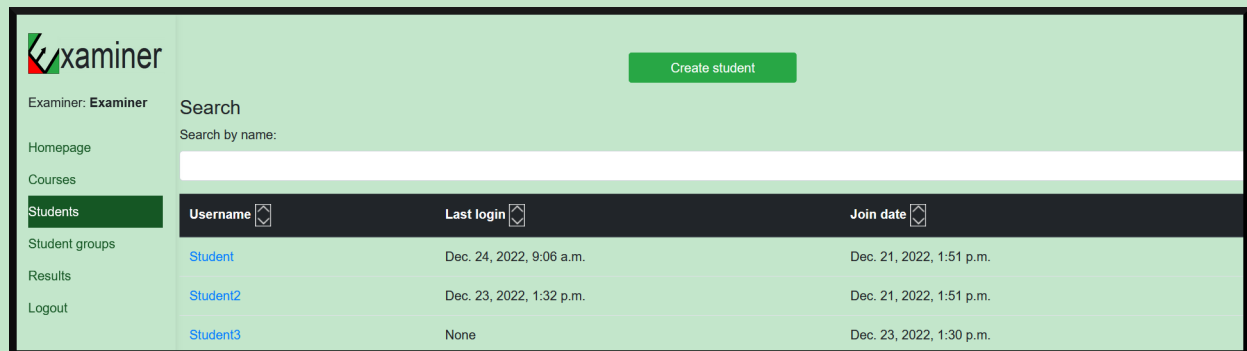
3.5.3. Question edition



The screenshot shows the 'Edit question' interface for the course 'Buddhist Teology'. The sidebar is identical to the previous screen. The main area has a title 'Edit question from course Buddhist Teology'. Below the title, it shows 'Total question amount: 2' and a 'Question text:' label followed by a text input field containing 'What was the name of Buddhas mother?'. Below the text field are five answer fields, each with a label 'Answer nr.1:' through 'Answer nr.5:' and a radio button to its left. The radio button for 'Answer nr.1:' is selected. The answer fields contain the following text: 'Mayadevi', 'Dipa Ma', 'Tara', 'Kwan Yen', and 'Ananda'. At the bottom of the main area are two buttons: a green 'Change' button and a red 'Delete' button.

Question edition view can be accessed from question list. It looks and functions nearly identically like question creator with difference that there is information that question is edited and question deletion feature is available here.

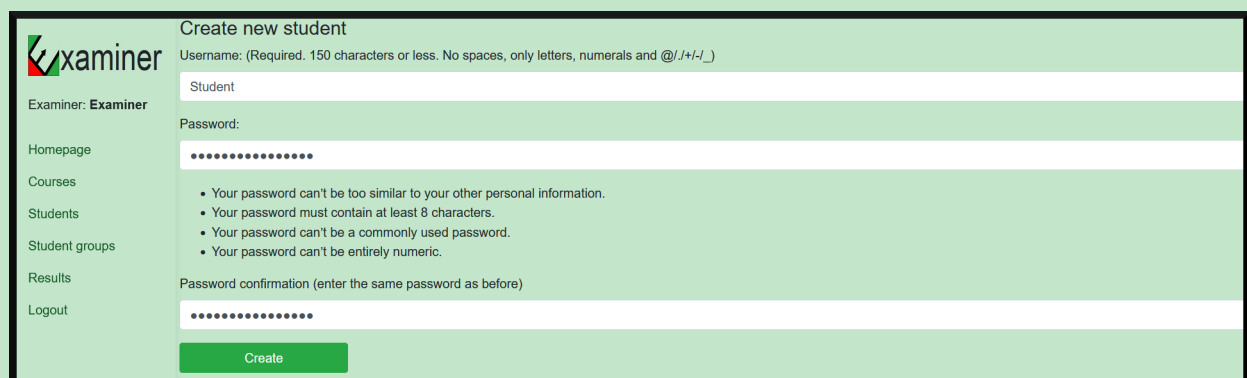
4. Students



Username	Last login	Join date
Student	Dec. 24, 2022, 9:06 a.m.	Dec. 21, 2022, 1:51 p.m.
Student2	Dec. 23, 2022, 1:32 p.m.	Dec. 21, 2022, 1:51 p.m.
Student3	None	Dec. 23, 2022, 1:30 p.m.

Examiner can create new student accounts without ability to delete them. For student deletion platform administrator account is needed. Moving to student section displays list of all students as table with information about student username, date of their last login and account creation. Above list search field is situated that is used for searching courses by name. Clicking on student username redirects to student detail view. Big button on top redirects to student creator.

4.1. Student creation



Student creation requires entering students username (150 characters or less. No spaces, only letters, numerals and @/./+/_). Password has to be entered repeatedly. Password can't resemble other personal information, must contain at least 8 characters, can't be a commonly used password and can't be entirely numeric. Caution should be taken while entering username and password because only platform administrator can change them. Use of platform administrator account is also needed for student deletion.

4.2. Student detail view

The screenshot shows the 'Student profile' page in the Examiner system. On the left is a sidebar with navigation links: Homepage, Courses, Students, Student groups, Results, and Logout. The main content area is titled 'Student profile Student' and includes a 'Belongs to group:' section with a link to 'Student group'. Below this is an 'Assign group to student' form with a text input field and 'Assign' and 'Back' buttons. At the bottom, a table titled 'Courses assigned to student:' displays the student's course history.

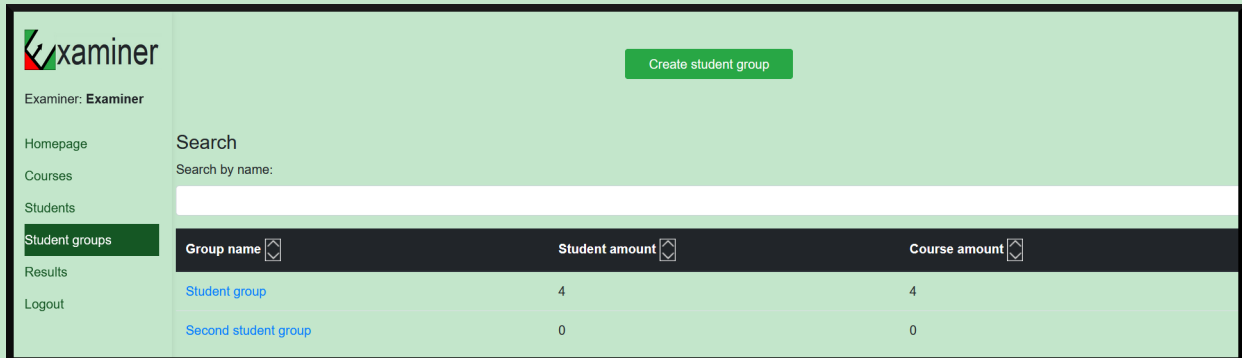
Course name	Status	Grade
Buddhist Teology	Failed	None
Elementary Geometry	Failed	None
Daoist Philisophy	Passed	6
Music Theory	Failed	1

Clicking on students username in student list table redirects to detail view. At the top username is situated as well as a list of all student groups to which they belong. Clicking on student group name redirects to group edition. In a scenario in which student weren't assigned to any group yet proper information is displayed there (more about student groups can be found in Chapter 5. Student groups). Under group information form is located that can be used to attach student to student group. It suffices to enter name of group press „Assign” button. Beneath form a list can be found that contains all courses assigned to all student groups to which student was assigned to and information about courses being passed, failed or unfinished, that is student haven't passed exam yet but they still have possibility to do so. To the right of status there is a column with grade of percentage score (choice is up to platform administrator) taken from best exam attempt. Clicking on course name redirects to detail result view from that specific course and student. In that view results from all attempts to course can be found as well as button for deleting results if need would arise. More information about this view can be found in sub-chapter 6.2. Student results from specific course.

5. Student Groups

Student groups are necessary in order to assign courses to students. Thanks to them there is no need for assigning each course to each student. When students are assigned to student group it is enough to just assign course to entire group for students to access course. What's more deadlines are given to each course-group link. Due to that one course can be used for a long time due to being assigned to separate groups.

5.1. Student group list

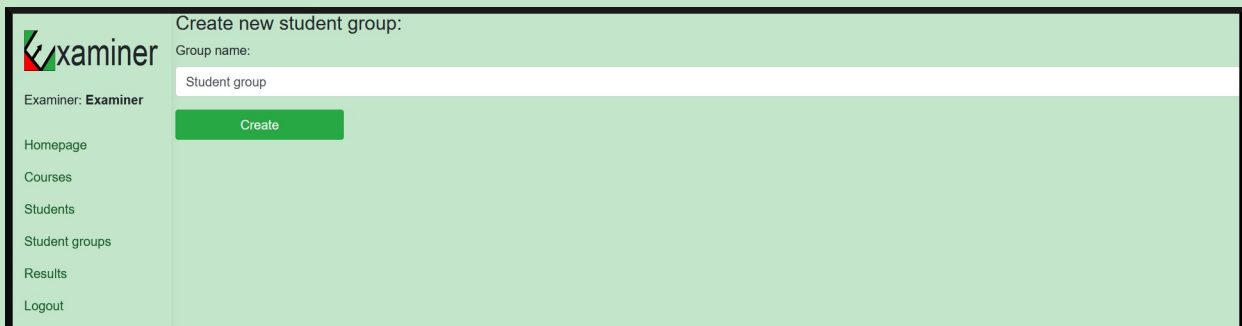


The screenshot shows the 'Student group list' page. On the left is a sidebar with the 'Examiner' logo and a menu: 'Homepage', 'Courses', 'Students', 'Student groups' (highlighted), 'Results', and 'Logout'. The main area has a 'Create student group' button at the top right. Below it is a search bar labeled 'Search' with the text 'Search by name:'. Under the search bar is a table with three columns: 'Group name', 'Student amount', and 'Course amount'. The table contains two rows: 'Student group' with 4 students and 4 courses, and 'Second student group' with 0 students and 0 courses. The group names are blue links.

Group name	Student amount	Course amount
Student group	4	4
Second student group	0	0

Choosing student group zone in side menu redirects to list of all student groups made for your platform. Button that redirects to student group creator can be found at the top as well as a search field that can be used for searching groups by name. Beneath search field table containing information about all groups can be found, information about their name and amount of students and courses assigned to each one. Clicking on student group name redirects to student group editor.

5.2. Student group creation



The screenshot shows the 'Create new student group' page. The sidebar is identical to the previous page. The main area has the title 'Create new student group:'. Below it is a form with a label 'Group name:' and a text input field containing 'Student group'. A green 'Create' button is positioned below the input field.

This view allows for creating a new student group. In order to accomplish that it is sufficient to enter only its name and press „Create” button. Name can be easily changed later during edition despite that caution should be taken during group creation because the only way to delete group is to use platform administrator account. Name can contain any characters (including spaces), however names of several groups within one platform can't be identical. Newly generated group is not going to have any students or courses attached. In order to changed this it is necessary to use group edition.

5.3. Student group edition

Student group **Student group**

Group name:

Student group

Change name

Students

Courses

Back

Group editor allows for name change. It also allows for managing group assignments with courses and students. Platform administrator can use this view to delete student groups

5.3.1. Student zone

Students

Enter username of user that will be assigned to group **Student group**

Assign

Search

Username	Last login	Join date	
Student	Dec. 24, 2022, 9:06 a.m.	Dec. 21, 2022, 1:51 p.m.	Remove
Student2	Dec. 23, 2022, 1:32 p.m.	Dec. 21, 2022, 1:51 p.m.	Remove
Student3	None	Dec. 23, 2022, 1:30 p.m.	Remove
Student4	None	Dec. 23, 2022, 1:31 p.m.	Remove

Courses

Clicking on „Students” button unravels student zone of group edition. At the top a form can be found that can be used for assigning student to group. It is achieved by entering student username and pressing „Assign” button. Below search field is located for searching students assigned to group by username with use of situated below table containing all students assigned to group. Table allows for unassigning students from group by pressing „Delete” button which is not deleting student, just unassigning them. Clicking on student username redirects to student detail view discussed in subchapter 4.2. Student detail view.

5.3.2. Course zone

Name	Category	Deadline		
Buddhist Teology	Philosophy and Religion	Nov. 11, 2022, midnight (Term expired)	Change deadline	Remove
Elementary Geometry	Mathematics	May 5, 1984, midnight (Term expired)	Change deadline	Remove
Daoist Philosophy	Philosophy and Religion	Jan. 1, 2023, midnight	Change deadline	Remove
Music Theory	Art	Jan. 1, 4400, midnight	Change deadline	Remove

Clicking „Courses” button unravels course section of group edition. At the top course appendage form is placed. It requires filling two fields – in first course name should be entered and in second deadline date by which course must be finished (it could be imputed in various formats for example YYYY-MM-DD). Below form is search field for search by name or category. At the bottom table is situated that contains information about all courses assigned to group such as: name, category and deadline. Clicking on course name redirects to course detail view. Next to deadline „Change deadline” button is placed that allows for changing deadline date. If deadline date were to pass and student would not passed exam yet it will count as failed, just like in a scenario in which student run out of exam attempts. To the right to the deadline column „Delete” button is placed that unassigns course from group.

6. Results

Results

Search by name:

Course list:

- [Buddhist Teology](#)
- [Elementary Geometry](#)
- [Daoist Philosophy](#)
- [Music Theory](#)

Results zone is used for presenting grouped and specific results from taken from exams that students attempt in order to pass courses. Choosing it from side menu shows list of all courses on platform accompanied by search field. Clicking on course name redirects to course results view.

6.1. Course results

Examiner

Examiner: Examiner

Homepage

Courses

Students

Student groups

Results

Logout

Course information

Course name: Music Theory

Category: Art

Question type: Single choice

Attempt amount: 1

Test duration: Unlimited

Total question amount: 3

Amount of questions given to student: 3

Amount of correct answers required to pass the exam: 3

Lesson amount: 0

Amount of students assigned to course: 4

Test status: Exam ready

Statistics

Amount of students that finished the course: 1

Amount of students that failed the course: 1

Amount of students that haven't finished the course yet: 2

Amount of passed exam attempts: 1

Amount of failed exam attempts: 2

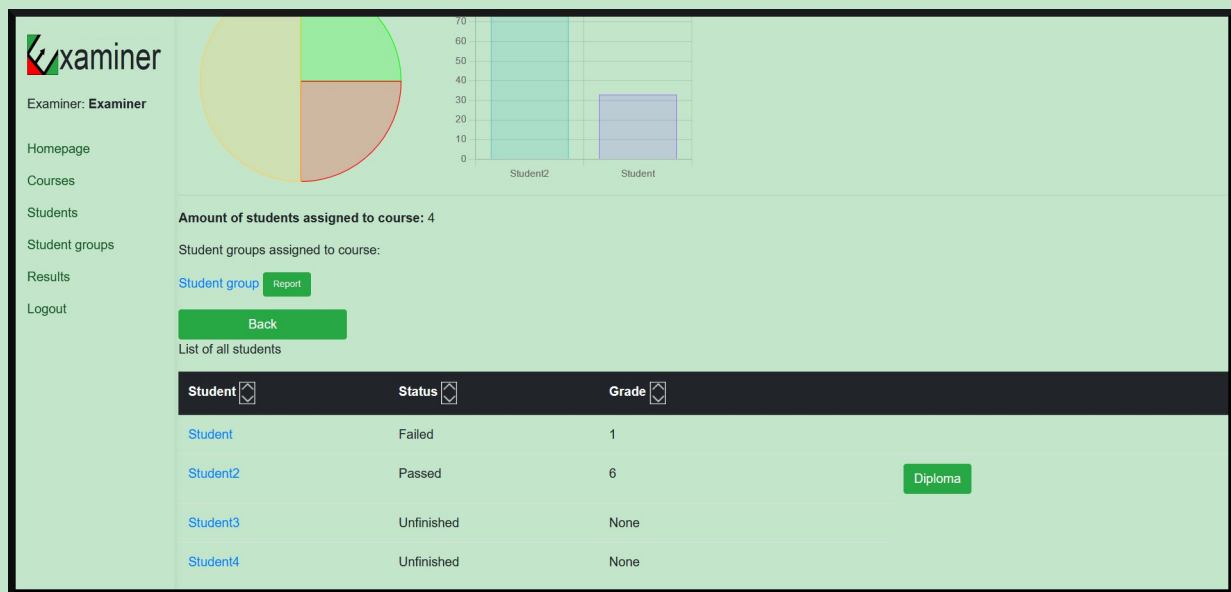
Course results view contains information about course such as: its name, category, question type, exam duration, lesson amount, amount of students from different groups assigned to course, total amount of questions created for course and how many are given to students during exam(maximal score) and amount that has to be answered correctly for passing (minimal passing score), and whether exam is ready for students to attempt it. Besides this information there beneath them additional is placed, like: how many students finished course, how many failed (due to deadline passing or exhausting exam attempts), amount of students during course and amount of passing and failing attempts. Under these figures graphs are located.

6.1.1. Course graphs




First graph is a pie chart displaying ratio of all students who passed, failed and haven't finished the course yet. Second is a bar chart showing best results (from all exam attempts taken by each student, so that one bar corresponds to one student regardless of how many times that student attempted exam) from all students that attempted exam.

6.1.2. Student table



At the bottom of the view lies list of students assigned to all groups assigned to the course. Information about student username, them passing exam, and percentage score or grade (depending on platform administrator choice) corresponding to best attempt made by the student. If exam have been passed diploma link is present here as well. Clicking on student username redirects to student-course results view. Above table list of all student groups assigned to course is located, clicking on student group name redirects to course-group detailed result view which is nearly identical to general course result view with a difference in that instead of containing information about all students it only contains information in relation to one group. To the right of student group name is „Report” button that displays report of passes and results from all students from that group in pdf form.

6.2. Student-course results view

Results of student Student from course Music Theory					
 Examiner: Examiner Homepage Courses Students Student groups Results Logout	Back to student		Back to course		
	Attempt	Score	%	Result	
	1	1	33	Failing	Delete result
	2	1	33	Failing	Delete result

This view can be accessed from two places- either from course results view or from student detail view. Table that is present there shows amount of correctly given answers (score), percentage relation of that amount to maximal score, verdict on whether attempt was successful or not and „Delete result” button. Result deletion should be used with special caution as it is used to delete results that happened due to errors, or in a case when it was agreed upon that specific student should get one more chance at passing exam. If student is going to exhaust all exam attempts course is going to be automatically considered as failed even when student is assigned to a separate group which was assigned the same course. In such cases it is advised to delete all results. Examiners shouldn't delete results unless they are completely certain that it should be done. Deletion of successful result would cause course to be considered as not passed for that student.