



Πανεπιστήμιο Κύπρου
Τμήμα Πληροφορικής

EPL425- INTERNET TECHNOLOGIES

GROUP PROJECT-INTERACT

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D.3.2: Evaluation Report

This report presents the usability heuristics arising from the evaluation of our website, the feedback we got from our classmates and the testing we made to check that everything works with the correct way.

Usability Heuristics:

- Easy to learn
 - Simple structure and language (buttons with labels of just one word)
 - Well designed and clear layout (use of standard link colours)
 - Few and specific functionalities (add, edit and delete question/answer for the teacher and choose course/lecture for both the teacher and the student)
- Efficient to use
 - Easy navigation (everyone can change page using “Home” or “Back” button)
 - Fast performance (pages take a short time to load)
 - Not too many pages redirection (many functionalities in one page)
 - User control (can cancel some operations, for example: delete operation)
- Easy to memorise
 - Specific background and logo
 - Common colours for text
 - Simple font and large letters/numbers
- Few Errors
 - Error prevention and correction (use of required fields and error messages provided in case of a mistake)
 - Effective maintenance strategy (no broken links found)
 - Testing of every functionality for all possible cases
- User friendly
 - Mobile compatibility (responsive pages)
 - Accessible to all users

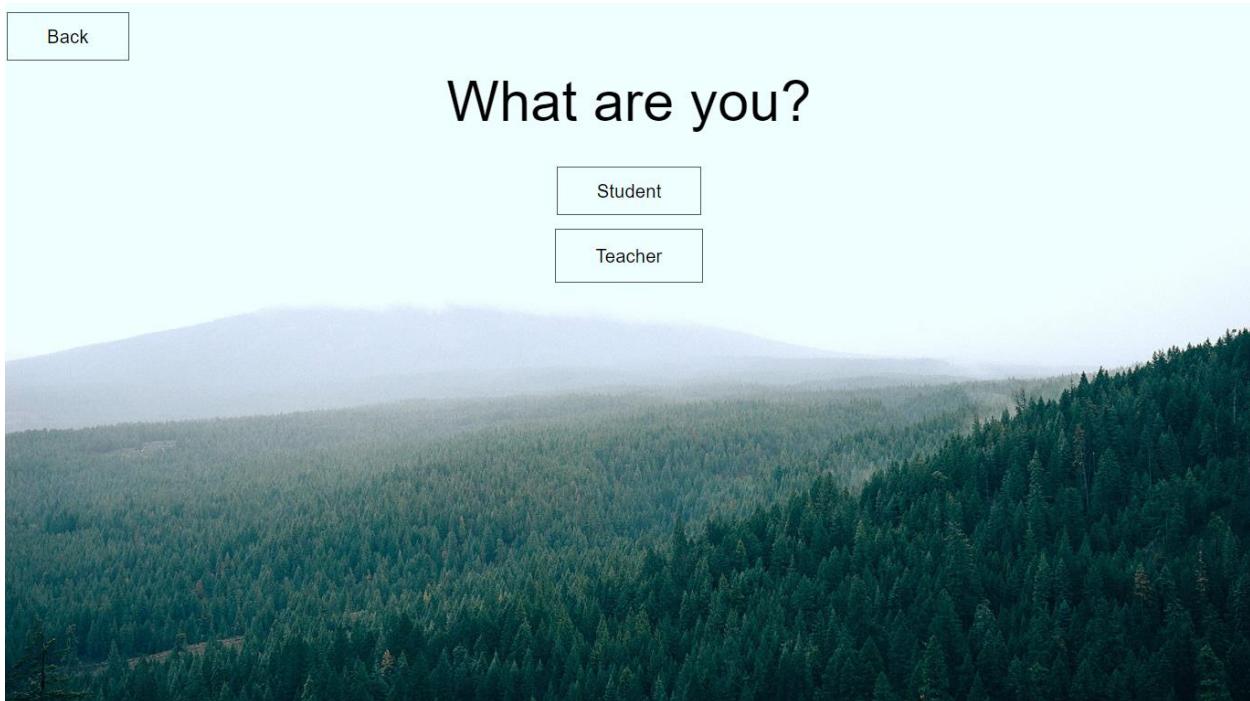
Feedback taken from classmates: After showing the website to some of our classmates they told us that we made a very nice work and also gave us a recommendation to make it even better. The text for showing the statistics was first black and they suggested that it should change to something lighter because it was not so obvious due to the dark colour of the trees from the background image.

Testing of our Website:

Main page



Clicking “ENTER THE WEBSITE” button



Clicking “Student” button

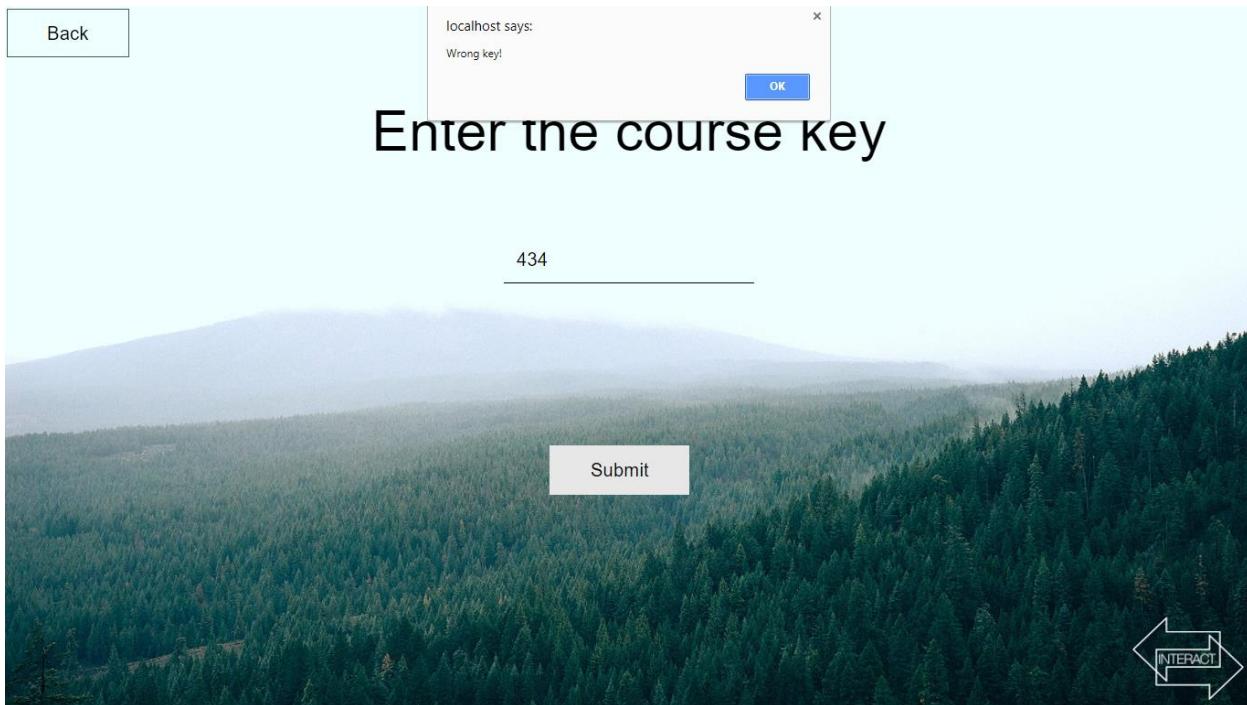
A screenshot of a web application interface titled "Select a course". At the top left is a "Back" button. The main content area displays a table of courses with columns for "CODE" and "COURSE". The courses listed are EPL425 (Internet Technologies), EPL131 (Programming Principles I), EPL133 (Object Oriented Programming), EPL231 (Data Structures and Algorithms), and EPL232 (Programming Techniques and Tools). A vertical scrollbar is visible on the right side of the table. The background of the page is a photograph of a dense green forest under a cloudy sky. In the bottom right corner of the page, there is a graphic element consisting of two arrows pointing in opposite directions, with the word "INTERACT" written vertically between them.

CODE	COURSE
EPL425	Internet Technologies
EPL131	Programming Principles I
EPL133	Object Oriented Programming
EPL231	Data Structures and Algorithms
EPL232	Programming Techniques and Tools

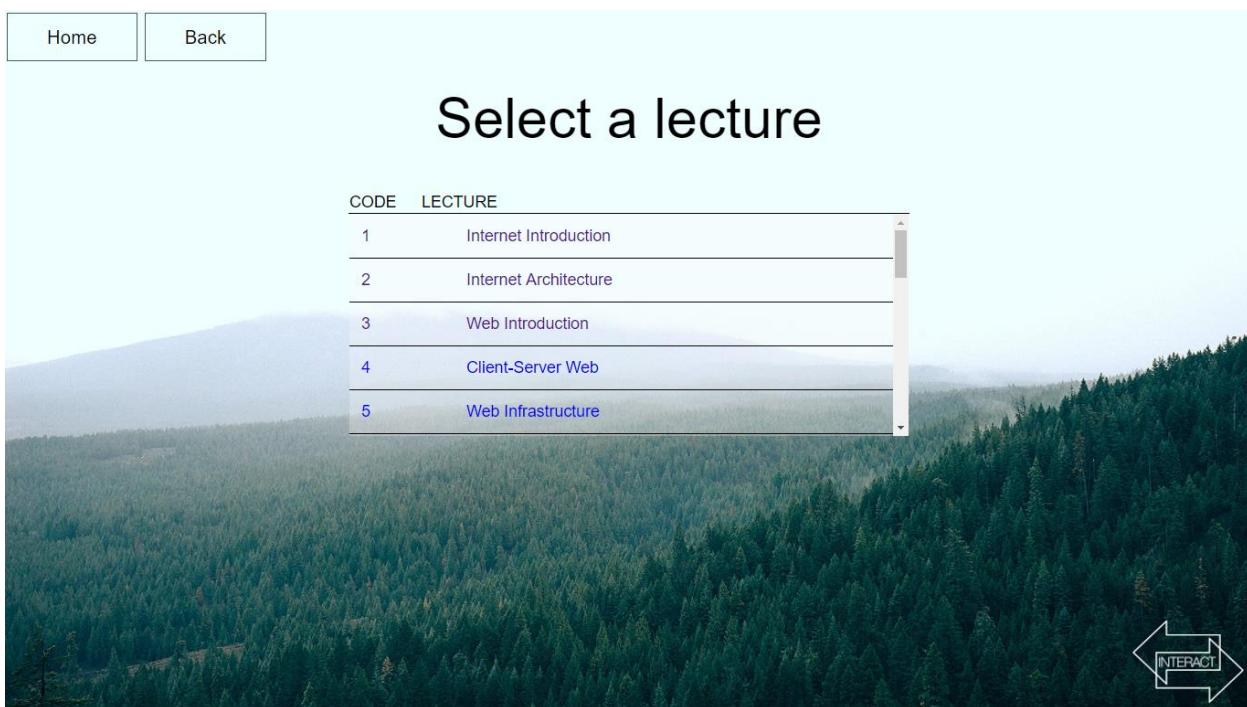
Selecting the first course (EPL425 Internet Technologies)

A screenshot of a web application interface titled "Enter the course key". At the top left is a "Back" button. The main content area features a large input field with a cursor and a "Submit" button below it. The background of the page is a photograph of a dense green forest under a cloudy sky. In the bottom right corner of the page, there is a graphic element consisting of two arrows pointing in opposite directions, with the word "INTERACT" written vertically between them.

Providing a wrong course key



Providing the correct course key



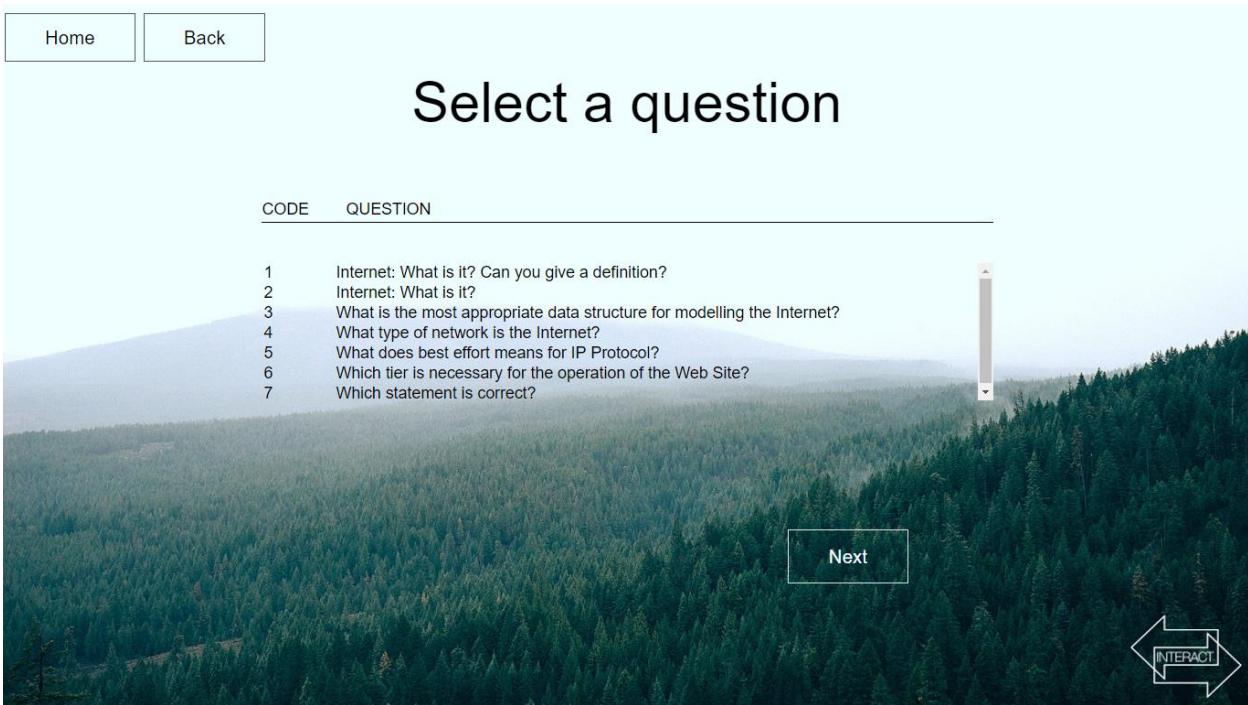
Selecting the first lecture (Internet Introduction)

Home Back

Select a question

CODE QUESTION

1 Internet: What is it? Can you give a definition?
2 Internet: What is it?
3 What is the most appropriate data structure for modelling the Internet?
4 What type of network is the Internet?
5 What does best effort means for IP Protocol?
6 Which tier is necessary for the operation of the Web Site?
7 Which statement is correct?



Next



Clicking “Next” button without selecting a question

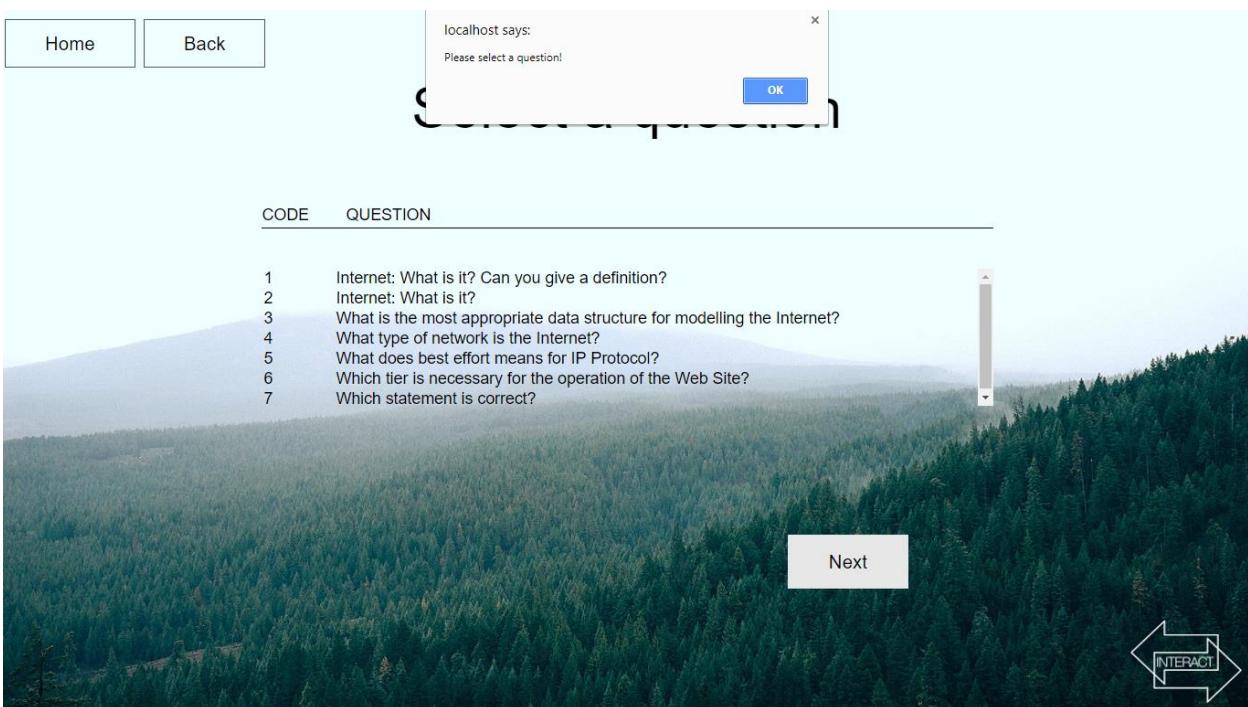
Home Back

localhost says:
Please select a question!

OK

CODE QUESTION

1 Internet: What is it? Can you give a definition?
2 Internet: What is it?
3 What is the most appropriate data structure for modelling the Internet?
4 What type of network is the Internet?
5 What does best effort means for IP Protocol?
6 Which tier is necessary for the operation of the Web Site?
7 Which statement is correct?



Next



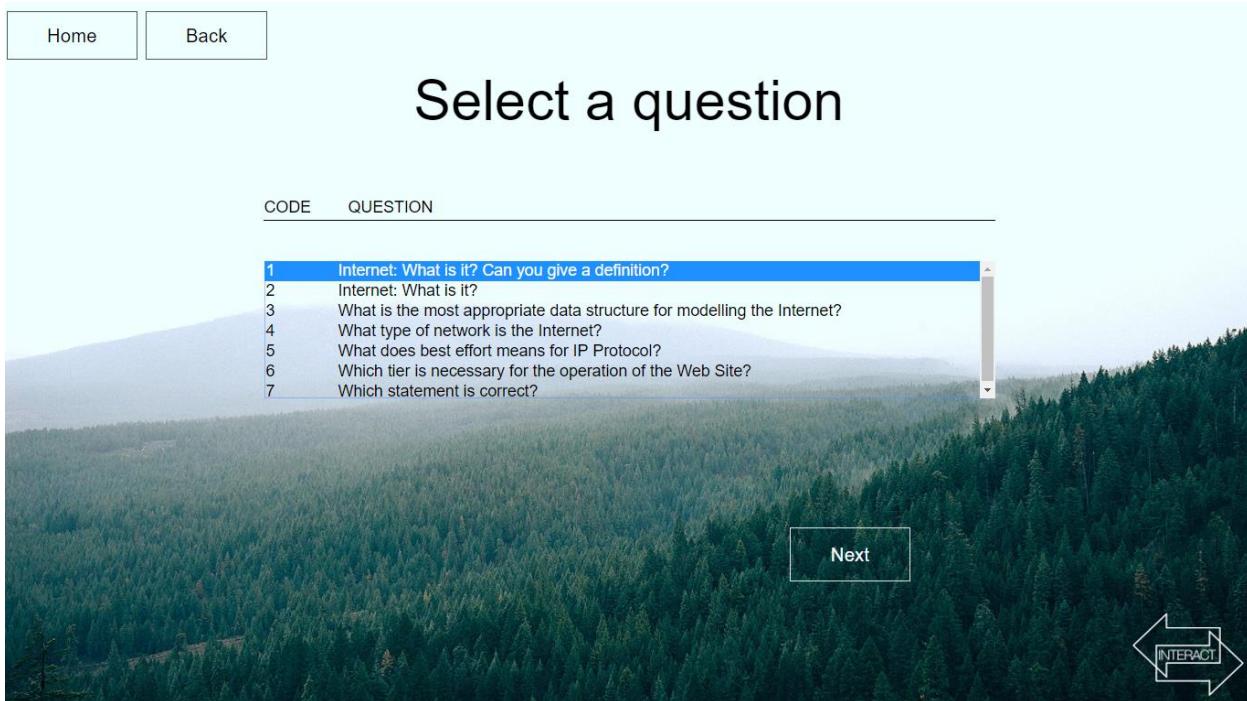
Selecting the first question

Home Back

Select a question

CODE QUESTION

1	Internet: What is it? Can you give a definition?
2	Internet: What is it?
3	What is the most appropriate data structure for modelling the Internet?
4	What type of network is the Internet?
5	What does best effort means for IP Protocol?
6	Which tier is necessary for the operation of the Web Site?
7	Which statement is correct?



Next

INTERACT

Clicking the “Next” button

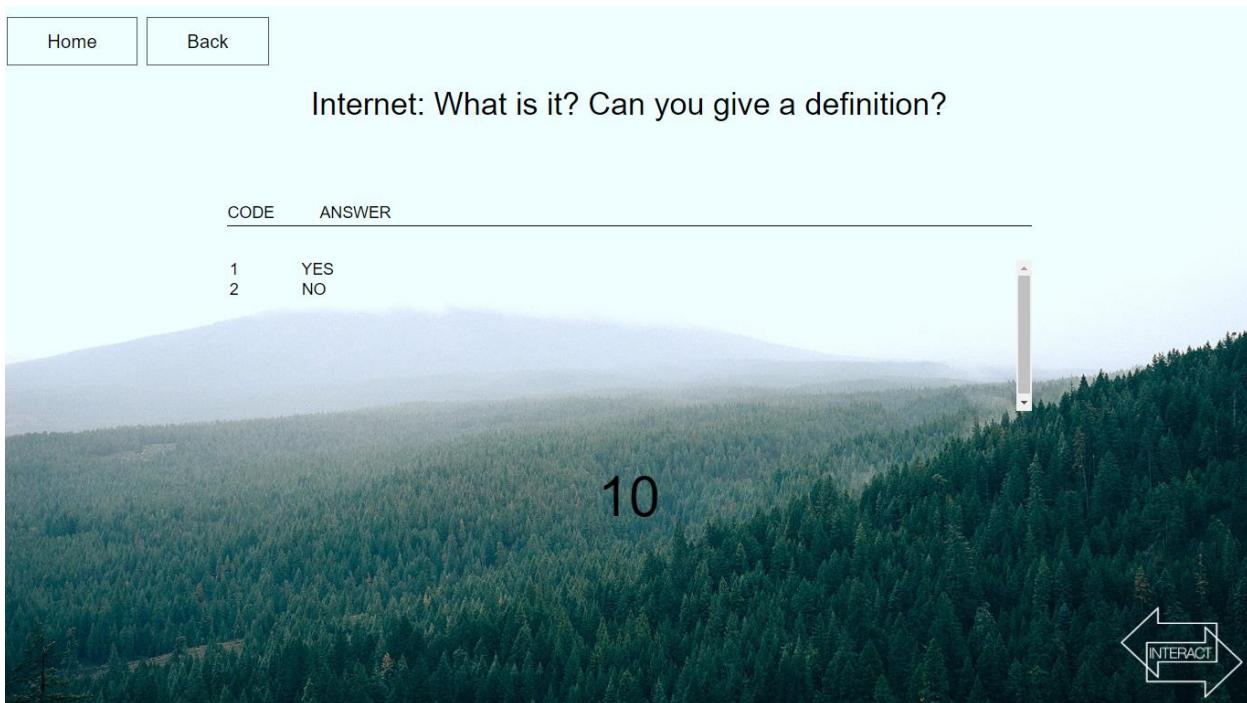
Home Back

Internet: What is it? Can you give a definition?

CODE ANSWER

1	YES
2	NO

10



INTERACT

Selecting the first answer

Home Back

Internet: What is it? Can you give a definition?

CODE	ANSWER
1	YES
2	NO

Please submit your answer!

Submit

INTERACT

Submitting the answer

Home Back

Internet: What is it? Can you give a definition?

CODE	ANSWER
1	YES
2	NO

Please wait...

INTERACT

After waiting some time (if student did not submit an answer he or she will also see this page)

Home Back

Internet: What is it? Can you give a definition?

CODE	ANSWER
1	YES
2	NO

Statistics:
Total answers: 14
Success Rate: 50.00%

INTERACT

Going back to second page and clicking “Teacher” button

Back

Identify yourself

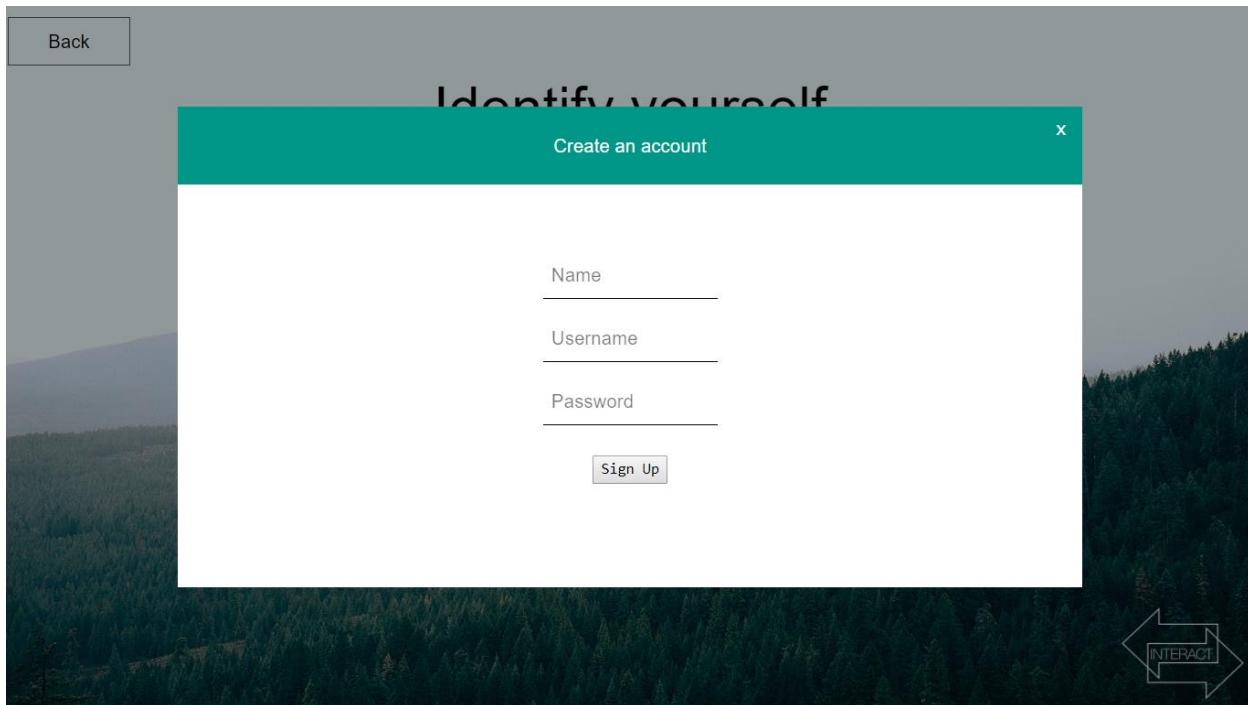
Username _____

Password _____

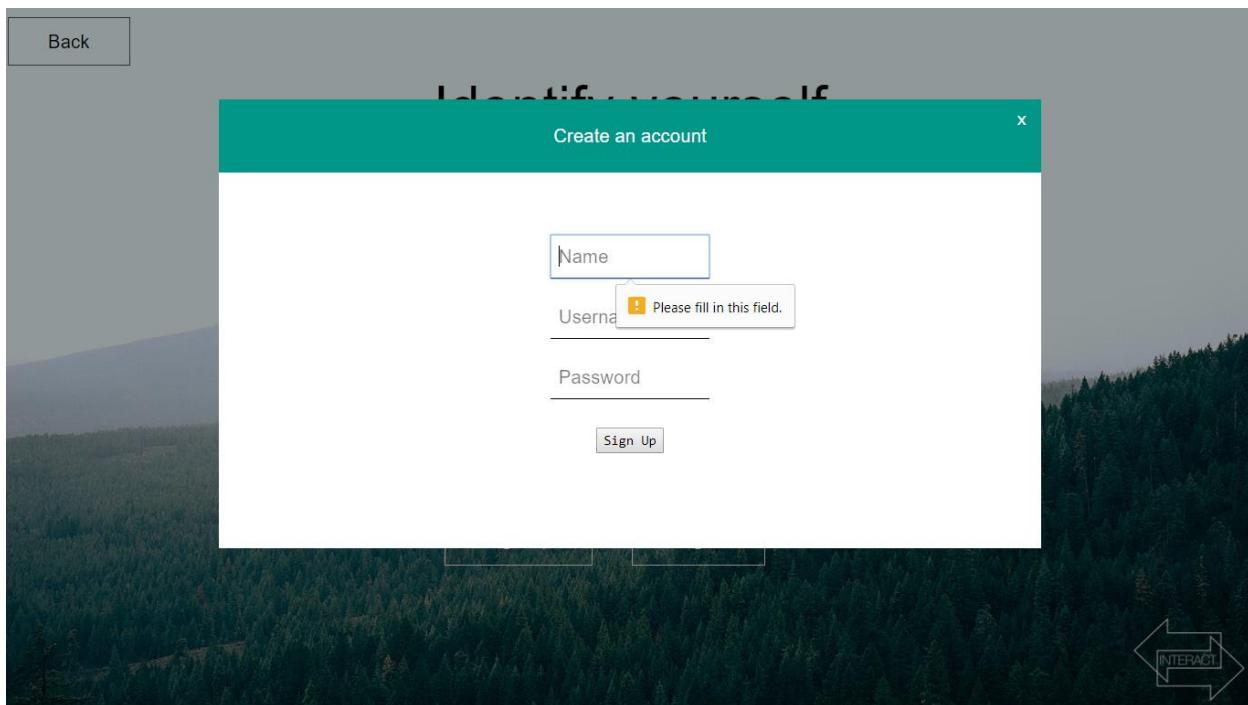
Sign Up Log In

INTERACT

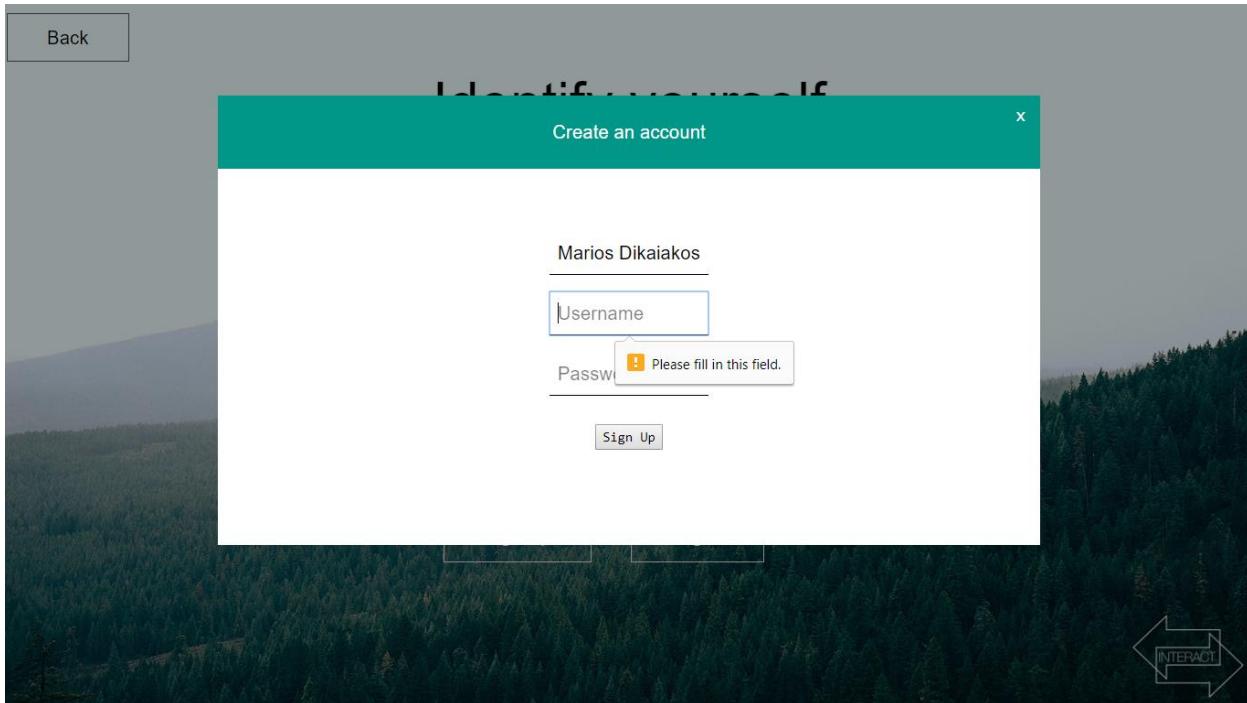
Clicking “Sign Up” button



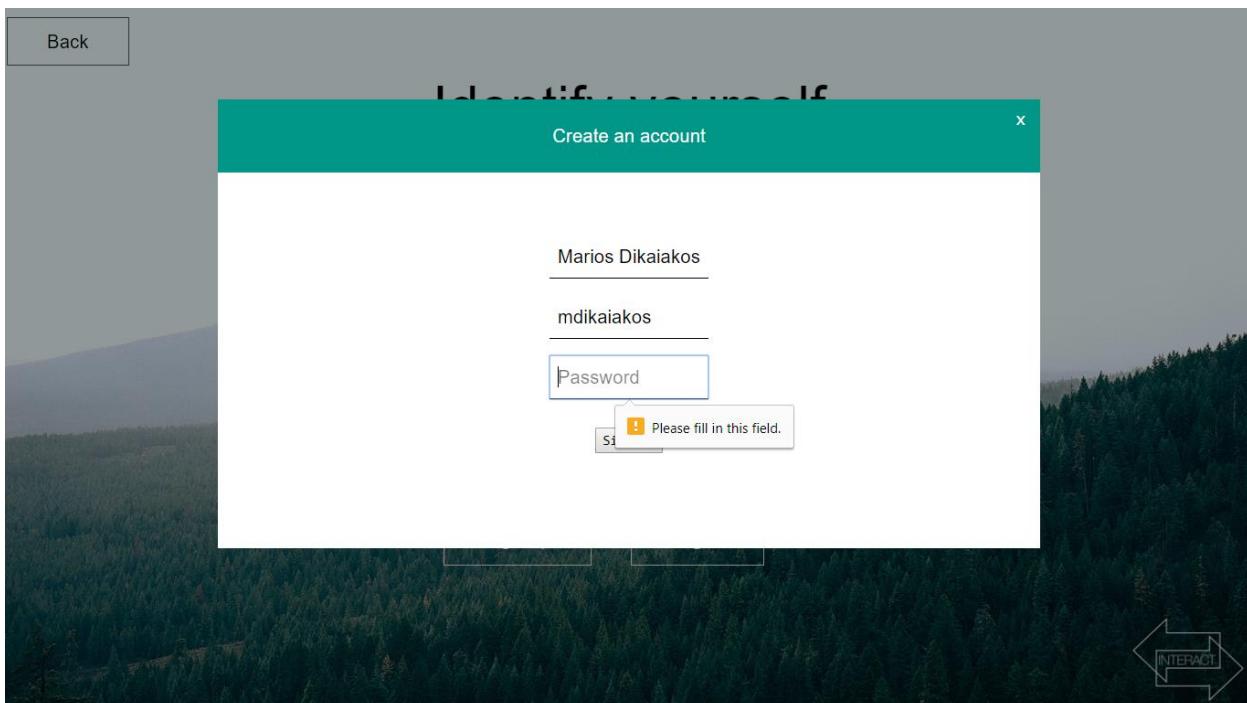
Checking if “Name” is a required field



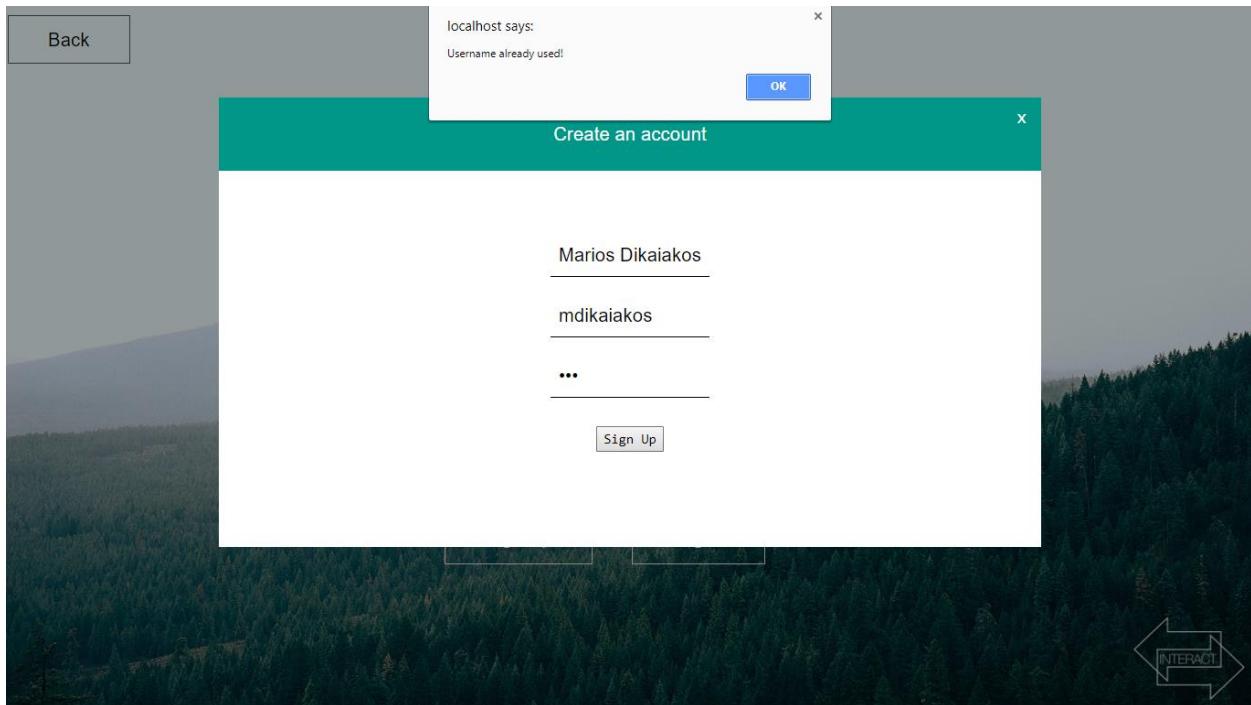
Checking if “Username” is a required field



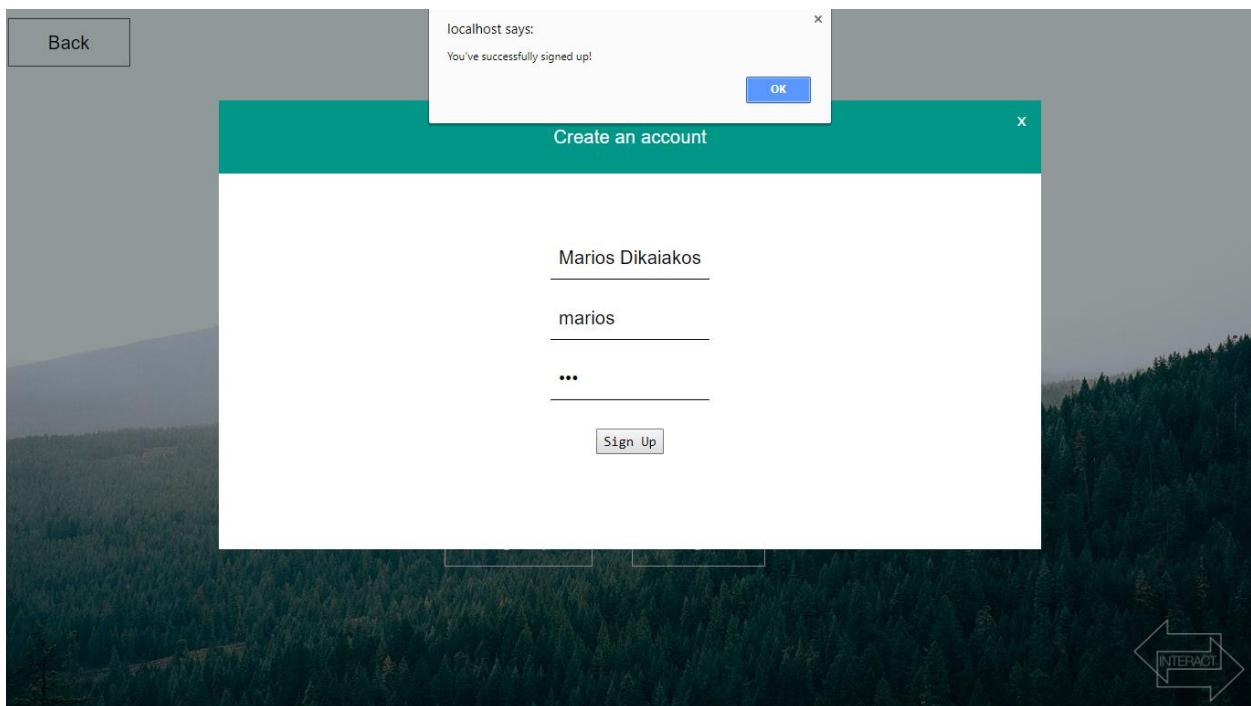
Checking if “Password” is a required field



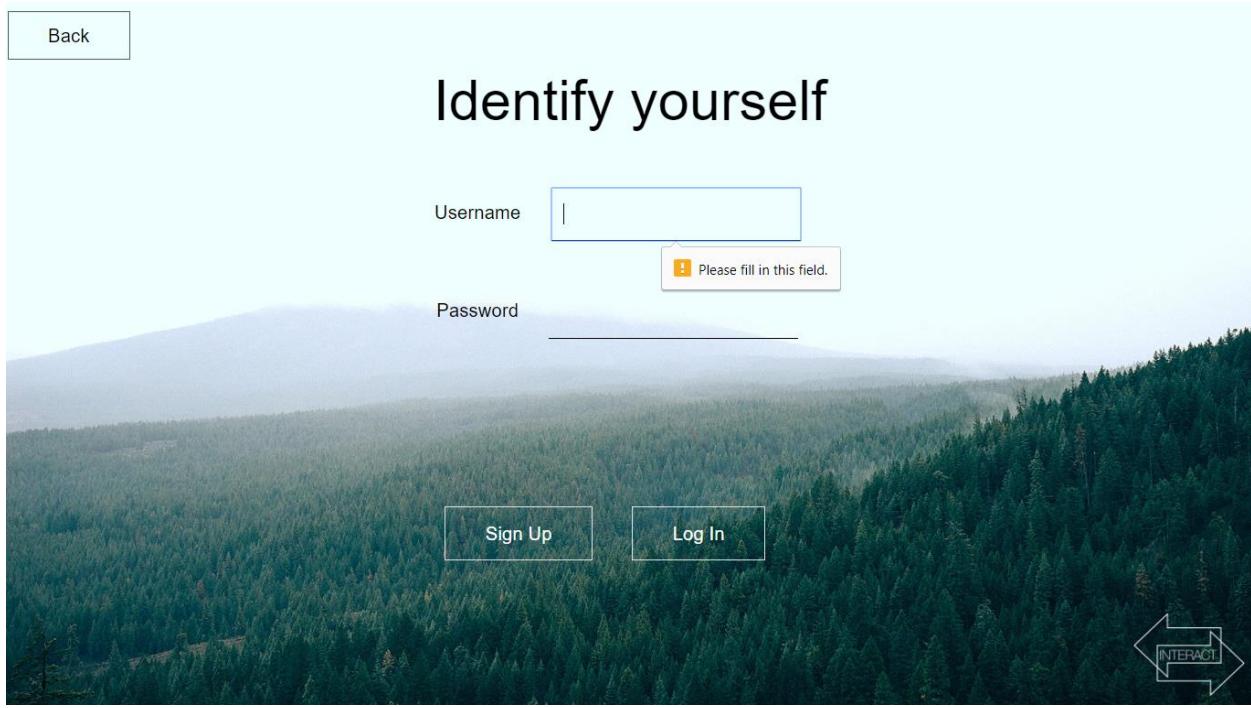
Clicking “Sign Up” button providing an already used username



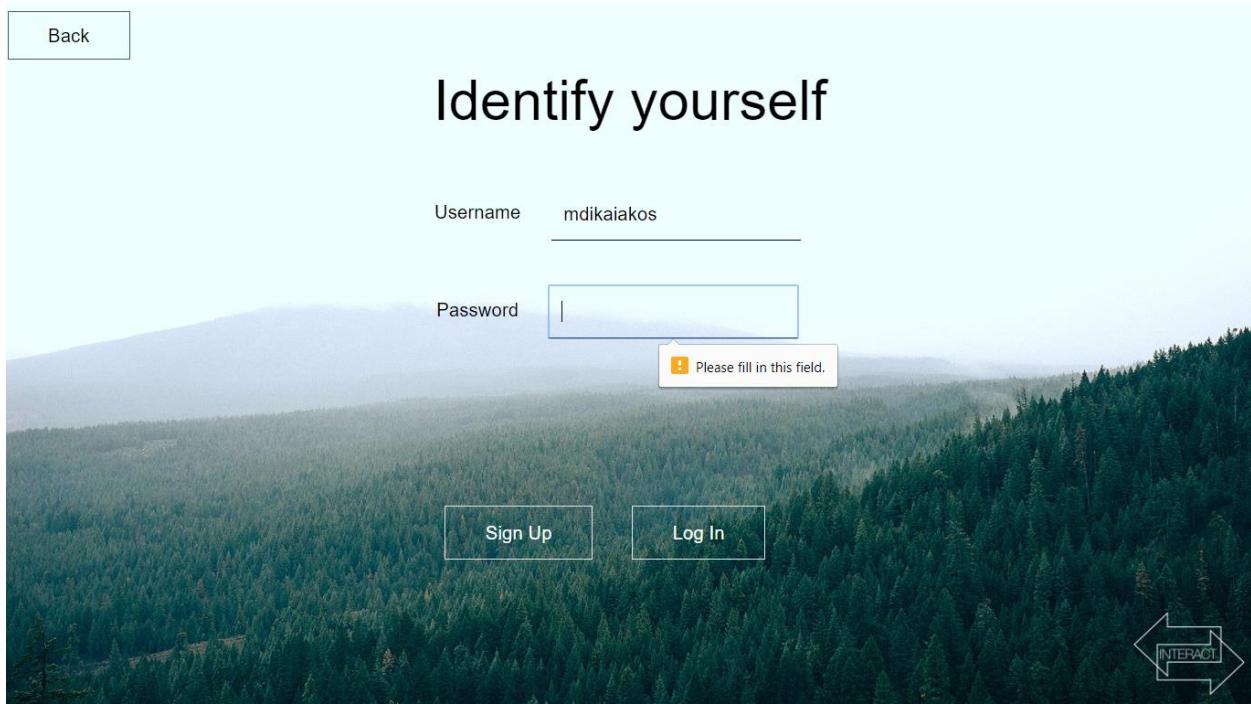
Clicking “Sign Up” button providing another unused username



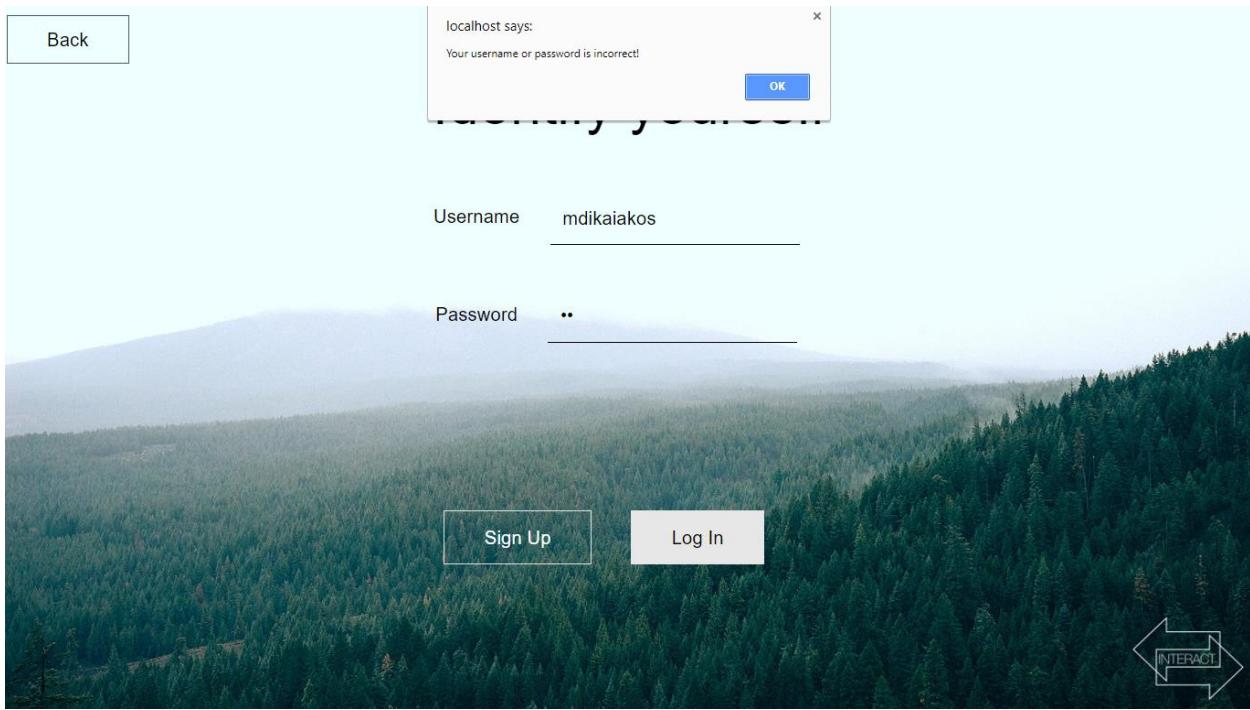
Checking if “Username” is a required field



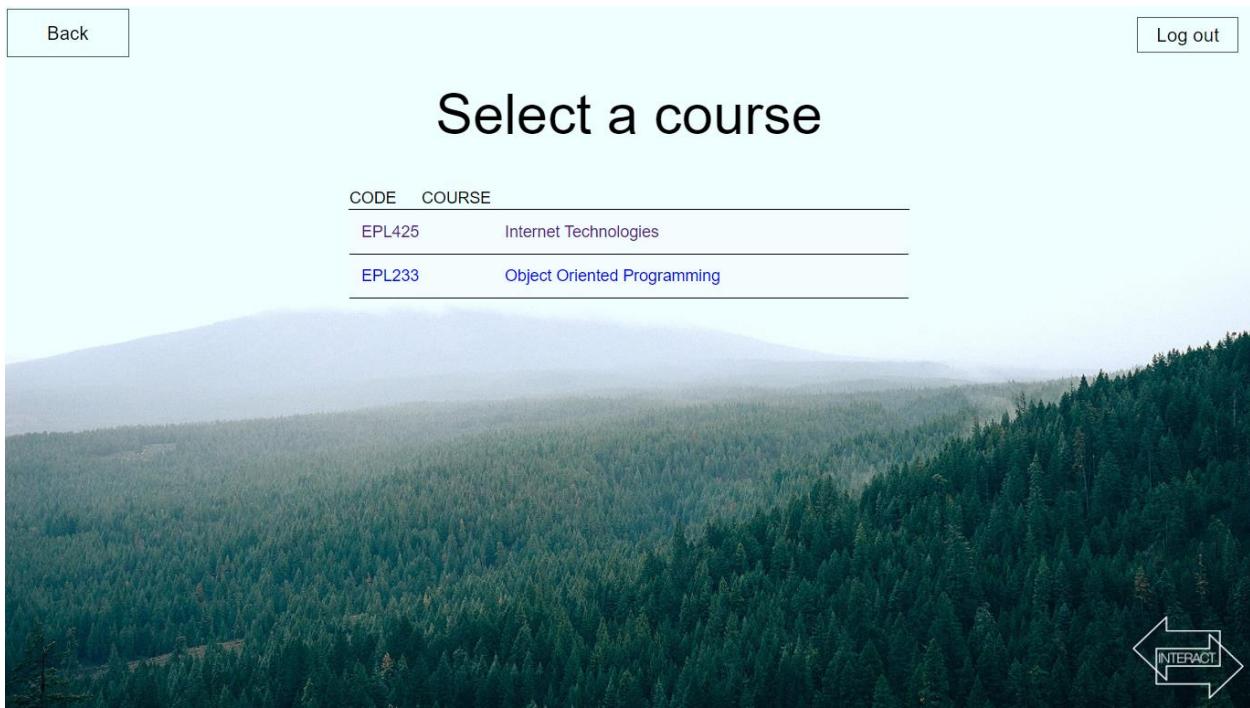
Checking if “Password” is a required field



Clicking “Log In” button providing a wrong password



Clicking “Log In” button providing the correct password



Clicking the first course (EPL425 Internet Technologies)

Home Back Log out

Select a lecture

CODE	LECTURE
1	Internet Introduction
2	Internet Architecture
3	Web Introduction
4	Client-Server Web
5	Web Infrastructure

Selecting the first lecture (Internet Introduction)

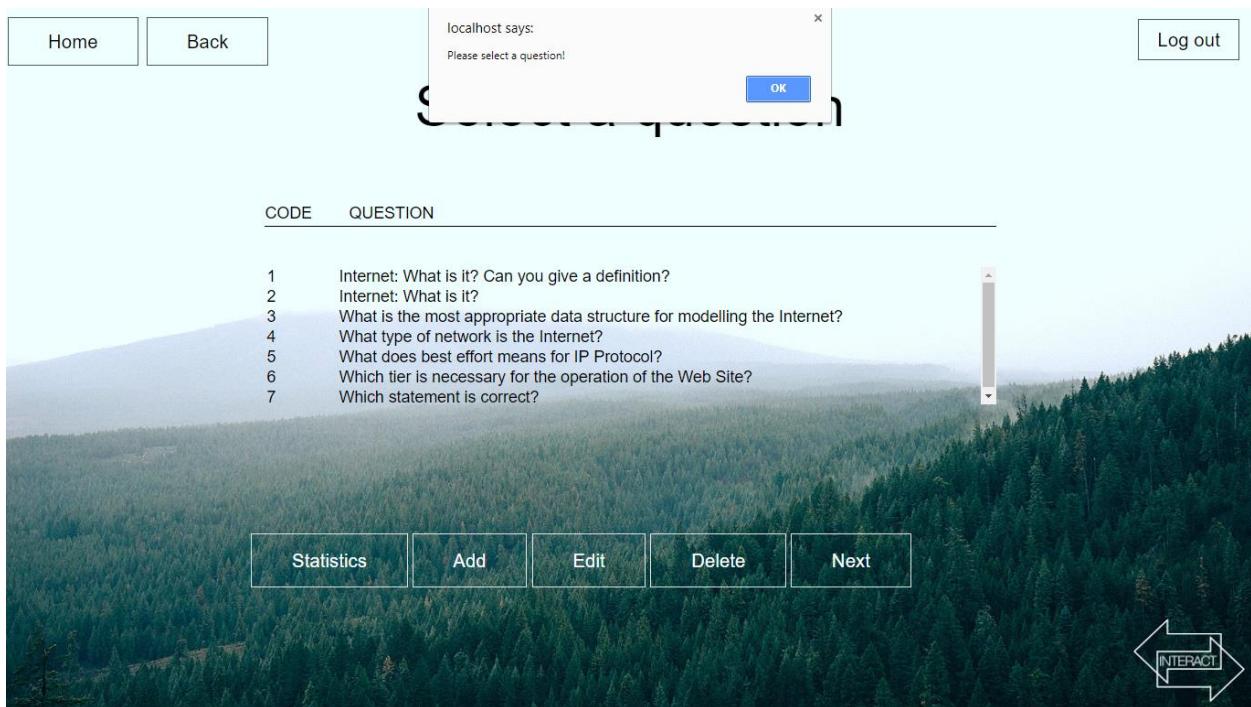
Home Back Log out

Select a question

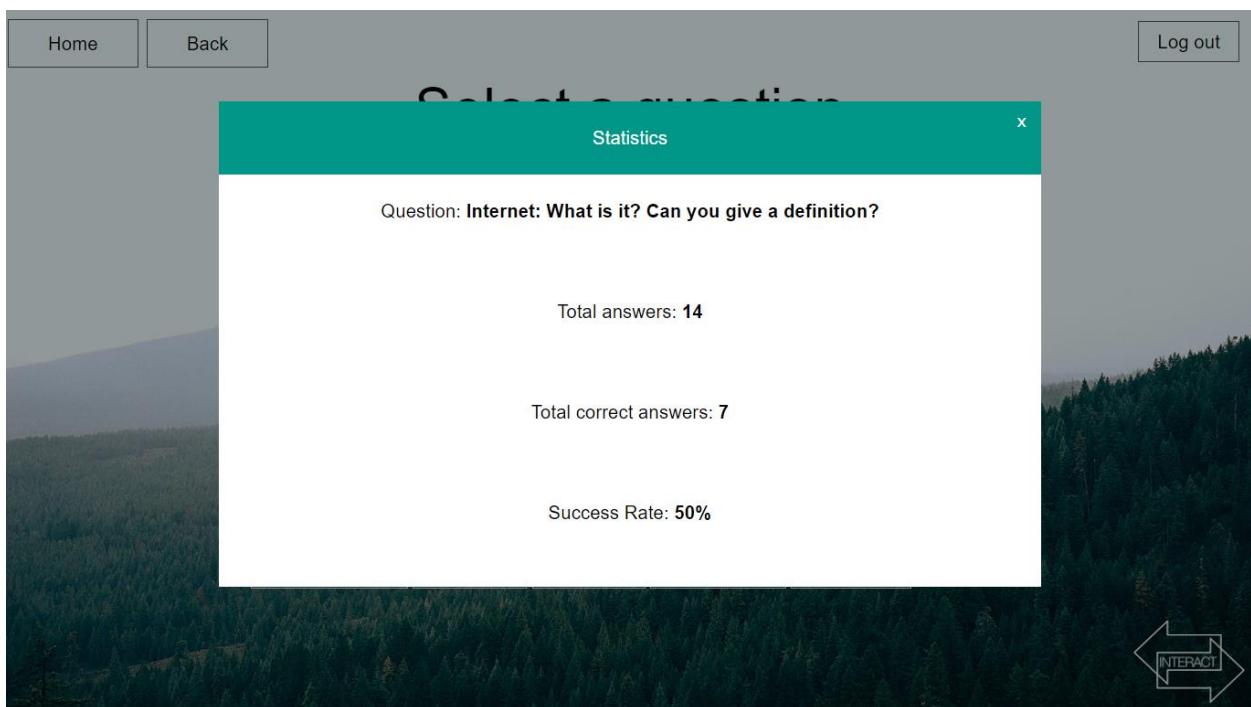
CODE	QUESTION
1	Internet: What is it? Can you give a definition?
2	Internet: What is it?
3	What is the most appropriate data structure for modelling the Internet?
4	What type of network is the Internet?
5	What does best effort means for IP Protocol?
6	Which tier is necessary for the operation of the Web Site?
7	Which statement is correct?

Statistics Add Edit Delete Next

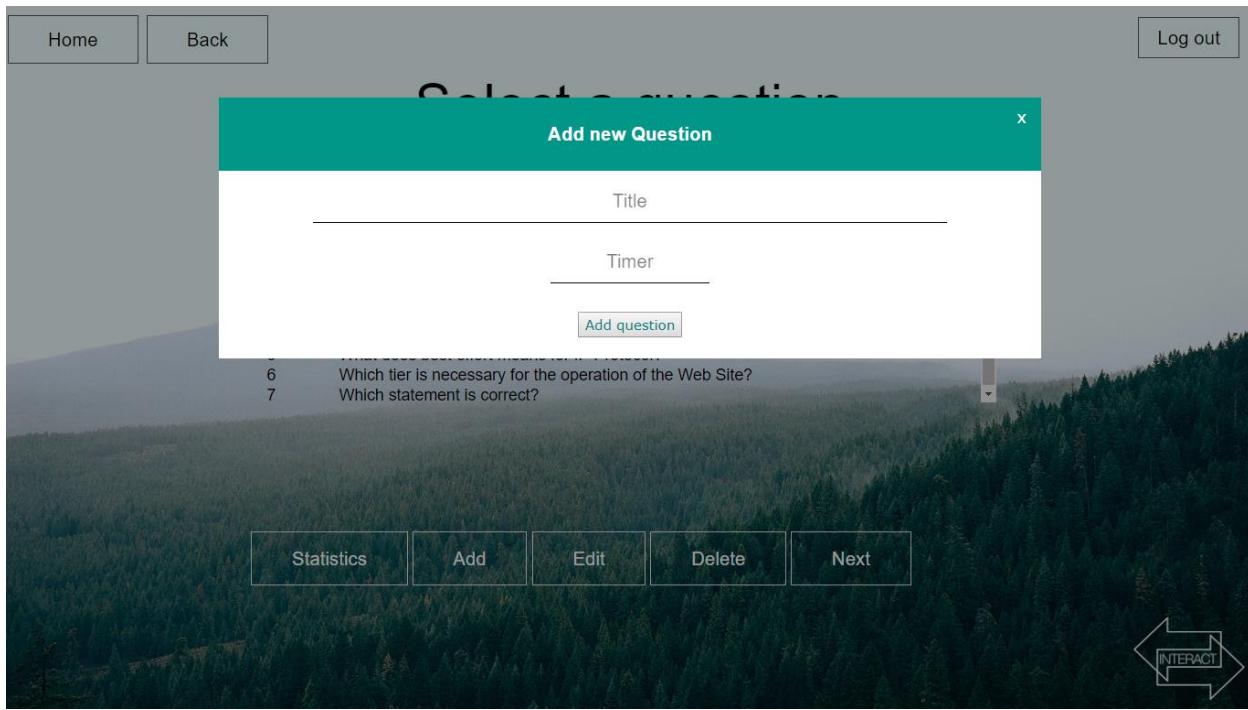
Clicking “Statistics”, “Edit”, “Delete” or “Next” button without selecting a question



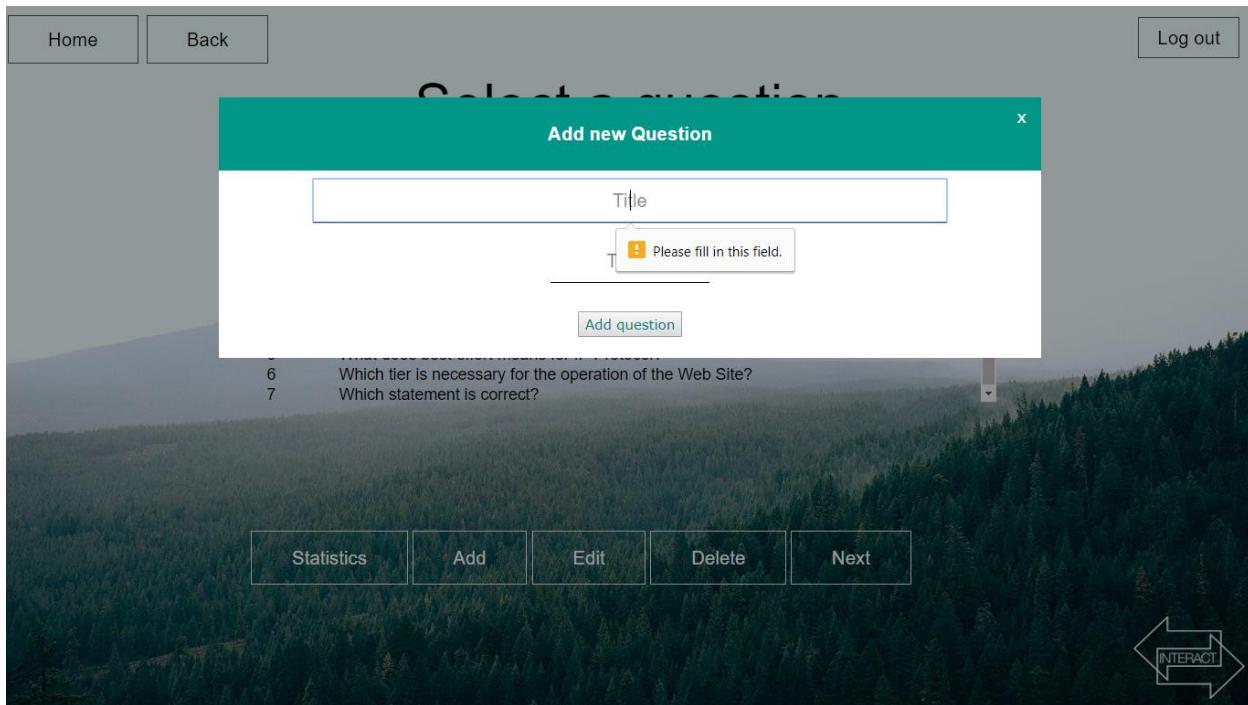
Selecting the first question and clicking “Statistics”



Clicking “Add” button



Checking if “Title” is a required field



Checking if “Timer” is a required field

Home Back Log out

Select a question

Add new Question

Question

Tinber

Please fill in this field.

Add Edit Delete Next

6 Which tier is necessary for the operation of the Web Site?
7 Which statement is correct?

Clicking “Add question” button

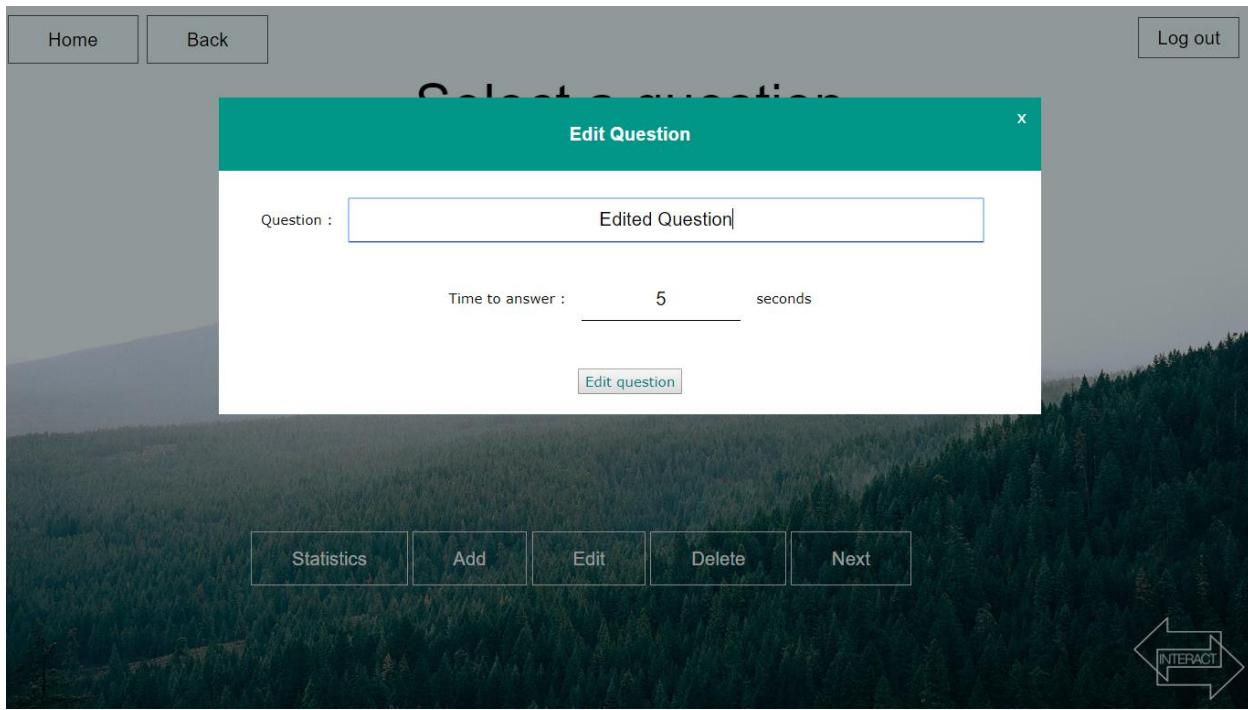
Home Back Log out

Select a question

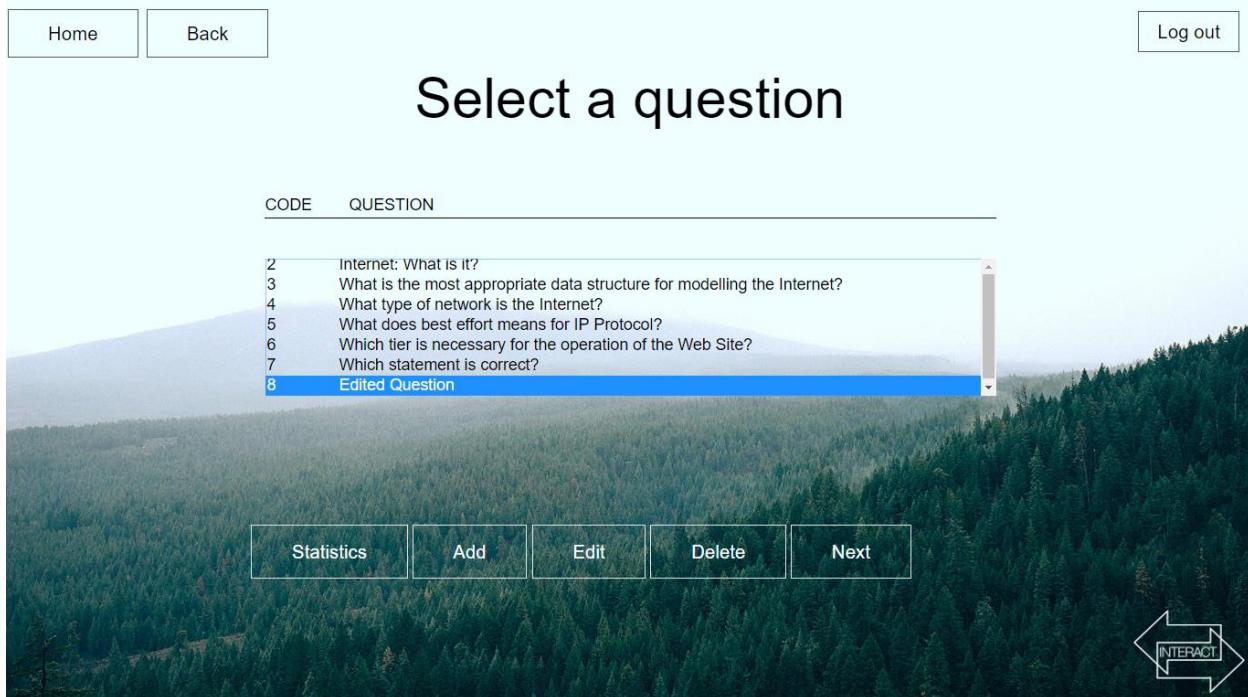
CODE	QUESTION
2	Internet: What is it?
3	What is the most appropriate data structure for modelling the Internet?
4	What type of network is the Internet?
5	What does best effort means for IP Protocol?
6	Which tier is necessary for the operation of the Web Site?
7	Which statement is correct?
8	Question

Statistics Add Edit Delete Next

Selecting the added question and clicking “Edit” button



Clicking “Edit question” button



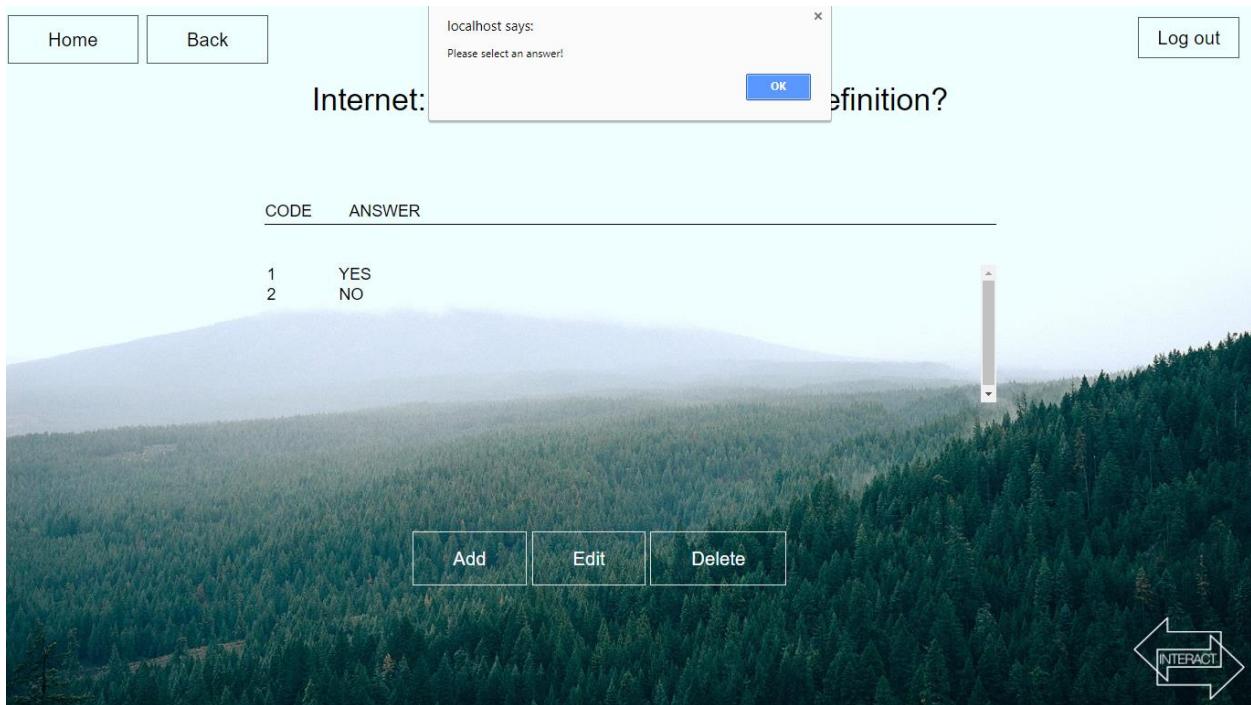
Selecting the edited question and clicking “Delete” button

The screenshot shows a web application interface. At the top, there are navigation buttons: "Home", "Back", "Log out", and a central modal dialog box. The dialog box contains the text "localhost says:" followed by "Are you sure you want to delete this?". Below the text are two buttons: "OK" (highlighted in blue) and "Cancel". The main content area below the dialog has a header "CODE QUESTION". A list of items is displayed, with item number 8 highlighted in yellow and labeled "Edited Question". Below this list are five buttons: "Statistics", "Add", "Edit", "Delete" (highlighted in white), and "Next". The background of the page is a scenic view of a forested mountain range under a cloudy sky. In the bottom right corner, there is a graphic element consisting of two arrows pointing towards each other, with the word "INTERACT" written vertically between them.

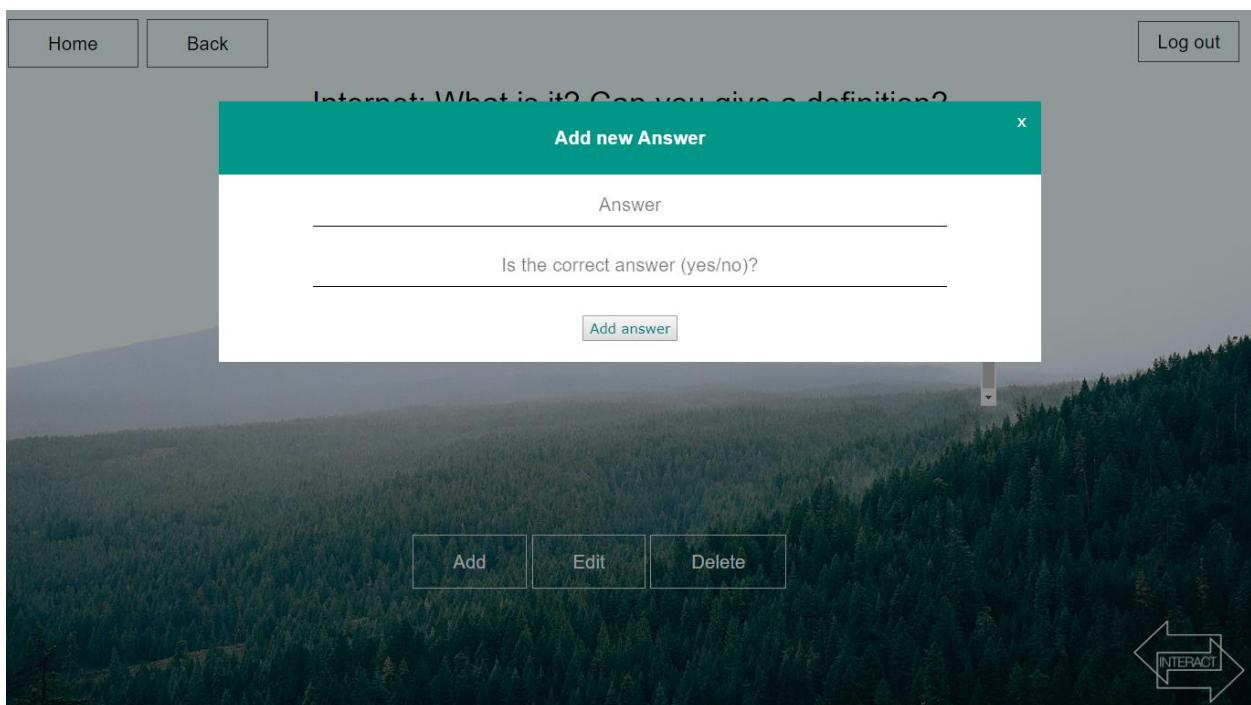
Selecting the first question and clicking “Next” button

The screenshot shows a web application interface. At the top, there are navigation buttons: "Home", "Back", "Log out", and a central text area. The text area displays the question "Internet: What is it? Can you give a definition?". Below this text area is a header "CODE ANSWER". A list of items is displayed, with item number 1 highlighted in yellow and labeled "YES". Below this list are three buttons: "Add", "Edit", and "Delete". The background of the page is a scenic view of a forested mountain range under a cloudy sky. In the bottom right corner, there is a graphic element consisting of two arrows pointing towards each other, with the word "INTERACT" written vertically between them.

Clicking “Edit” or “Delete” button without selecting an answer



Clicking “Add” button



Checking if “Answer” is a required field

Home Back Log out

Internet: What is it? Can you give a definition?

Add new Answer

Answer

Is the correct ! Please fill in this field.

Add answer

Add Edit Delete

INTERACT

Checking if “Is the correct answer (yes/no)?” is a required field

Home Back Log out

Internet: What is it? Can you give a definition?

Add new Answer

Answer

Is the correct answer (yes/no)? ! Please fill in this field.

Add

Add Edit Delete

INTERACT

Clicking “Add answer” button

The screenshot shows a web interface with a background image of a forested mountain landscape. At the top, there are navigation links: "Home", "Back", and "Log out". Below these is a question title: "Internet: What is it? Can you give a definition?". A table header row contains "CODE" and "ANSWER". Under the "ANSWER" column, three items are listed: "1 YES", "2 NO", and "3 Answer", where "Answer" is highlighted with a blue selection bar. At the bottom of the list are three buttons: "Add", "Edit", and "Delete". A "INTERACT" icon is located in the bottom right corner.

Selecting the added answer and clicking “Edit” button

The screenshot shows a modal window titled "Edit Answer" overlying the main interface. The window contains a text input field labeled "Answer :" with the value "Edited Answer". Below this is a "Correct? (yes/no)" field with the value "no". At the bottom of the window is a "Edit answer" button. The background of the modal is white, while the rest of the page has a dark gray overlay. The "INTERACT" icon is visible in the bottom right corner.

Clicking “Edit answer” button

The screenshot shows a web interface with a background image of a forested mountain. At the top, there are navigation links: "Home", "Back", and "Log out". Below them is the question: "Internet: What is it? Can you give a definition?". A table titled "CODE" and "ANSWER" lists three items:

CODE	ANSWER
1	YES
2	NO
3	Edited Answer

The third row, "Edited Answer", is highlighted with a blue selection bar. Below the table are three buttons: "Add", "Edit", and "Delete". A callout arrow labeled "INTERACT" points to the "Edit" button.

Selecting edited answer and clicking “Delete” button

The screenshot shows the same web interface as the previous one. A confirmation dialog box is overlaid on the screen, containing the text: "localhost says: Are you sure you want to delete this?". It has two buttons: "OK" and "Cancel". The "Delete" button from the previous screen is visible below the dialog.

The table "CODE" and "ANSWER" is shown again, with the "Edited Answer" row selected. The "Delete" button is highlighted with a blue selection bar. A callout arrow labeled "INTERACT" points to the "Delete" button.