

Language Learning Platform

-User Guide-



Revision Sheet

Release No.	Date	Revision Description
Rev. 0	07/06/2019	Language Learning Platform Pre - Alpha
Rev. 1	12/06/2019	



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1. General Information

A language learning platform designated to be used for but not limited to controlled classroom environment teaching, initially developed for Sprogcenter Midt Horsens under the VIA University College as a semester project for the second semester students. The system is not intended for commercial user, but operates under the © 2018 Group6 – Nucleus Software Engineering. All rights reserved.

! Note: Any use of personal information in the examples are non-harmful, but in case someone feels offended by the examples please contact us at any time.

Contact info:

Email: support@nucleus.com

Tlf: 52222223

2. Opening the program

Being a pre-alpha version the software does not yet have a proper launching method, but in the file *Installation Guide* it is described how to run the software.



3. Login

To login the use must input the credentials – account name (number) and password in the fields marked in the Figure 1 and the press the *Login Button*. Depending on the user time the system will then login the user as a teacher or as a student.

Figure 1 - Login Window

Nucleus Software: Learning Language Platform

Sprogcenter Midt: Language Learning Platform

powered by Nucleus Software

Account Name

Password

Login

Register Cancel

Account name / number

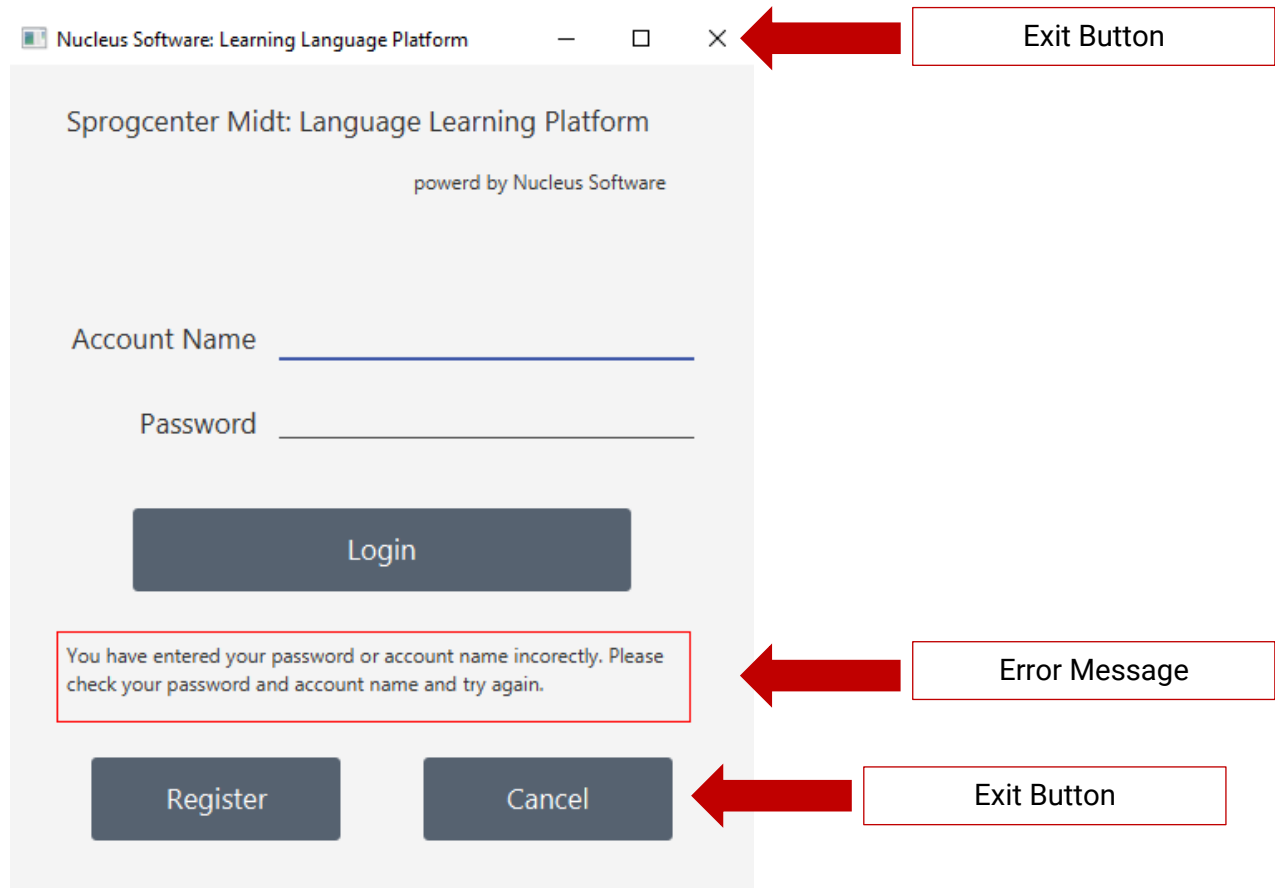
Password

Login Button



If after trying to login, the view is displaying the error as presented in the Figure 2. Please make sure you check the account name (number) and password, and try again. If after several attempts the same error persist please exit the software using one of the *Exit Buttons* marked in the figure, and contact the support.

Figure 2 - Login Window - Error Message

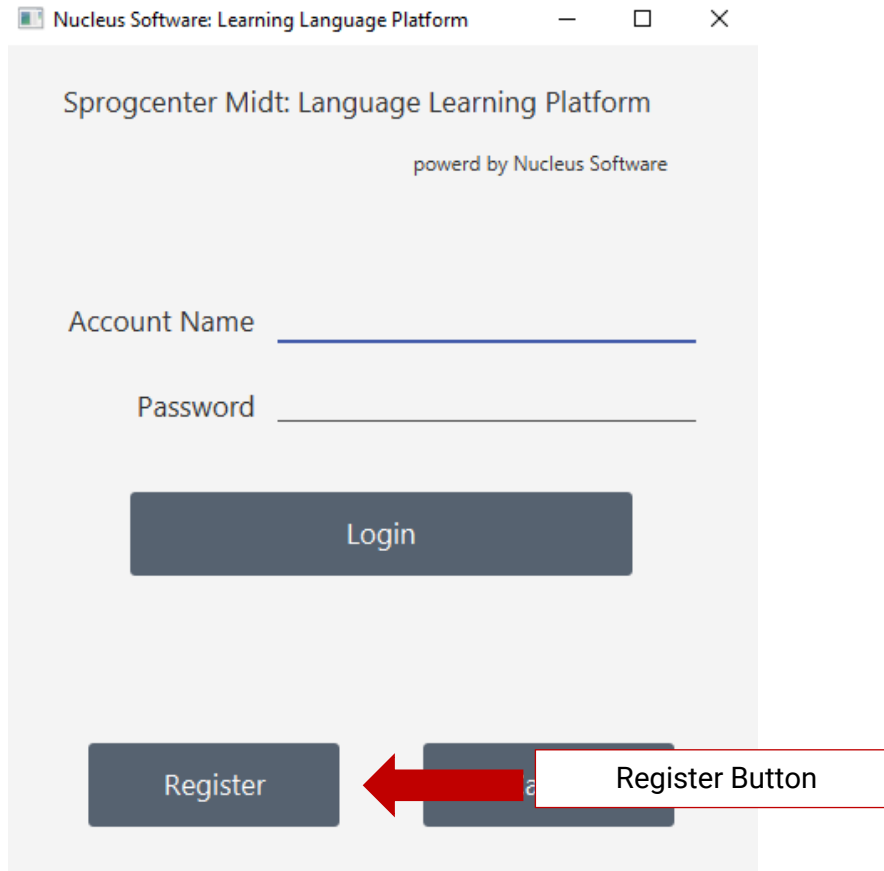




4. Register new account

To register new account, after launching press the *Register Button*, marked in the Figure 3.

Figure 3 - Login Windows - Register Button





After pressing the register button the view will change similar to the Figure 4. After that provide the information marked as First Name, Last Name, e-mail, Account name/number (usually provided by the Sprogcenter) and Password (your own), switch the toggle button to match your role (white dot towards your role), and then press the *Register Button*. If you want to go back to Login, press *Cancel Button*.

Figure 4 - Register Window

The image shows a screenshot of a web application window titled "Nucleus Software: Learning Language Platform". The main content area is titled "Register New User". It contains several input fields and a toggle switch. Red arrows point from labels in boxes to the corresponding fields in the form. The labels and their corresponding fields are:

- First Name (points to the First Name input field)
- Last Name (points to the Last Name input field)
- e-mail (points to the E-mail input field)
- Account name/number (points to the Account number input field, which has a hint "at least 4 characters")
- Password (points to the Password input field, which has a hint "at least 6 characters")
- Role (points to the toggle switch, which is currently set to "Student")
- Register Button (points to the "Register" button)
- Back to Login (points to the "Cancel" button)

The form also includes a toggle switch for "Student" and "Teacher", with the "Student" option currently selected. At the bottom, there are two buttons: "Register" and "Cancel".



If after pressing the button you are switched back to Login, the user was successfully registered, if the error appears as in figure 5, please check the provided information (all fields are required) and try again, makes sure that the Account Number is at least 4 characters long and that the password is at least 6 characters long, if after several attempts the error persists, please exist the system, via the *Exit Button*, and contact support.

Figure 5 - Register Window - Error Message

Nucleus Software: Learning Language Platform

Register New User

First Name

Last Name

E-mail

Account number at least 4 characters

Password at least 6 characters

User not registered, please check the information and try again.

Student ☒ Teacher ☐

Register Cancel

Error Message

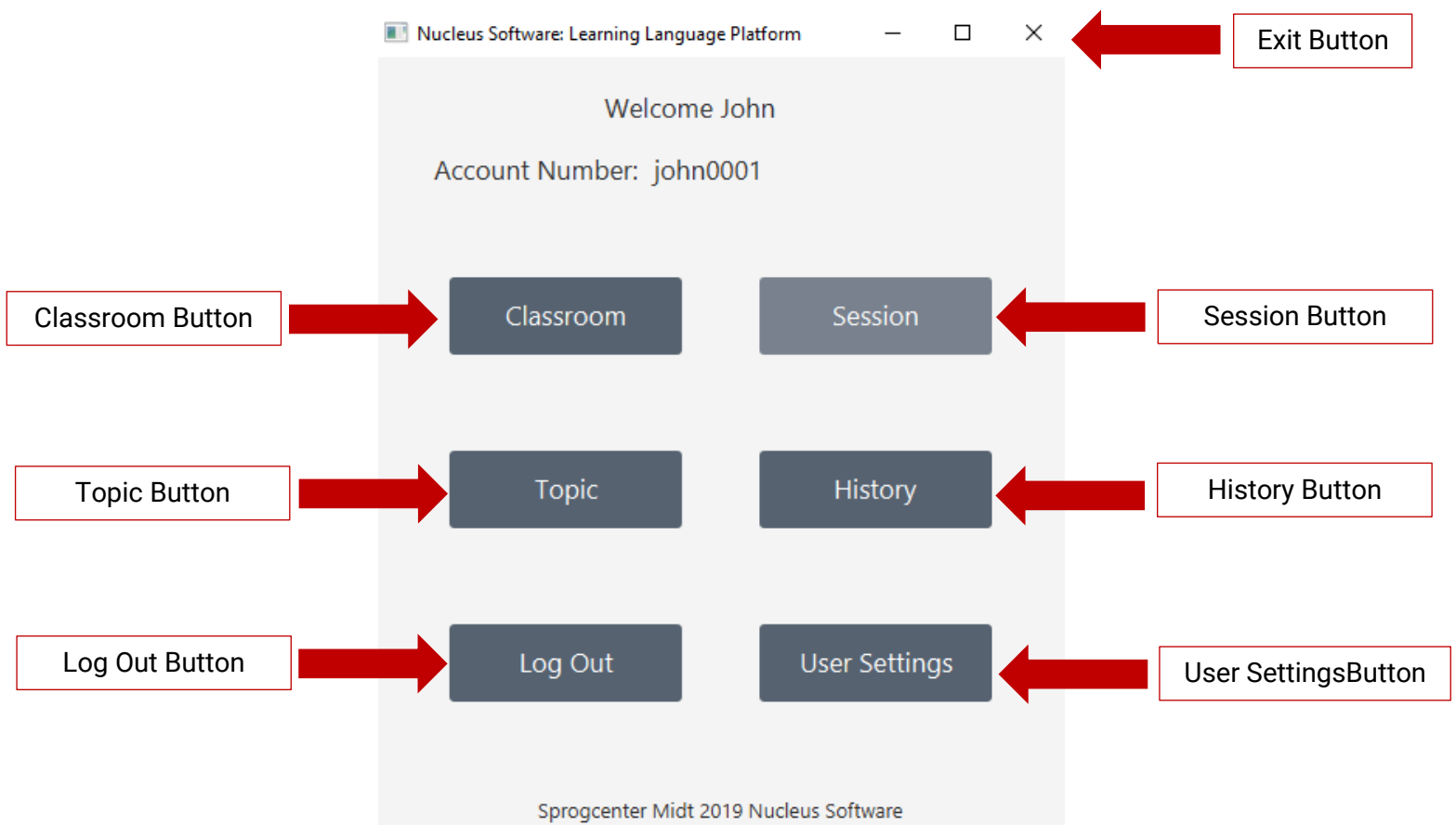


5. Teacher

5.1. Main Menu

After successfully logging in, with a teacher's account, you will be presented with the menu similar to Figure 6. If you are a teacher and were presented with another menu, please contact support.

Figure 6 - Teacher Main Menu



From here you can chose to do a variate of things Manage Classrooms, Manage Topics, see History (not developed yet), change User Settings (not developed yet), create a Session or log out.



5.2. Managing Classrooms

5.2.1. General Information

To manage classrooms please press the button *Classrooms* presented in the Figure 6. After that a new window will open, similar to Figure 7.

Figure 7 - Teacher Classroom Window

The screenshot shows a window titled "Nucleus Software: Learning Language Platform". The interface includes a "Welcome" message, an "Account Number:" label, and a dropdown menu. Below this are input fields for "Classroom ID:" and "Classroom Name:". At the bottom, there are three buttons: "Create", "Delete", and "Main Menu". Red arrows point from text labels to these elements: "Existing Classrooms" points to the dropdown menu, "New Classroom ID" points to the "Classroom ID:" input field, "New Classroom Name" points to the "Classroom Name:" input field, "Delete Button" points to the "Delete" button, "Back to Main Menu" points to the "Main Menu" button, and "Create Button" points to the "Create" button. The footer text "Sprogcenter Midt 2019 Nucleus Software" is visible at the bottom left.

Account Number:

Existing Classrooms

New Classroom ID

New Classroom Name

Delete Button

Back to Main Menu

Create Button

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The first element is marked in the figure as Existing classrooms, it is a drop down menu (press the small triangle for the list to drop down). When selecting a certain classroom the information about that classroom will be displayed below as in Figure 9.

Figure 8 Teacher Classroom - Existing Classrooms

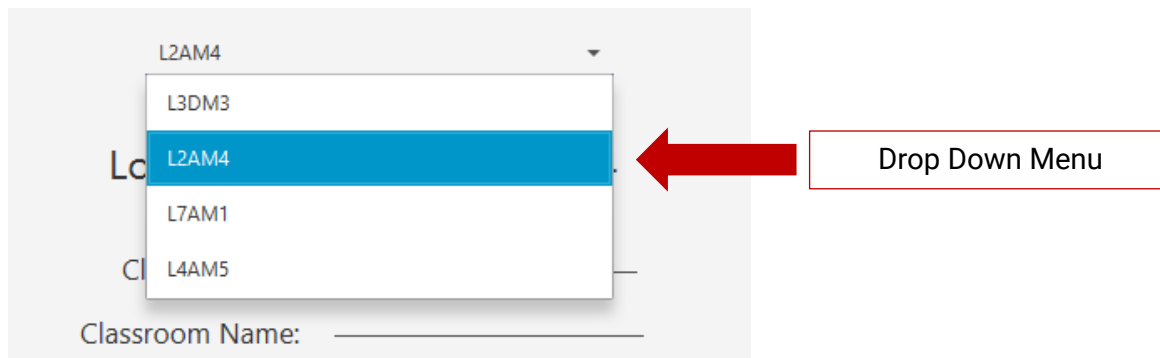
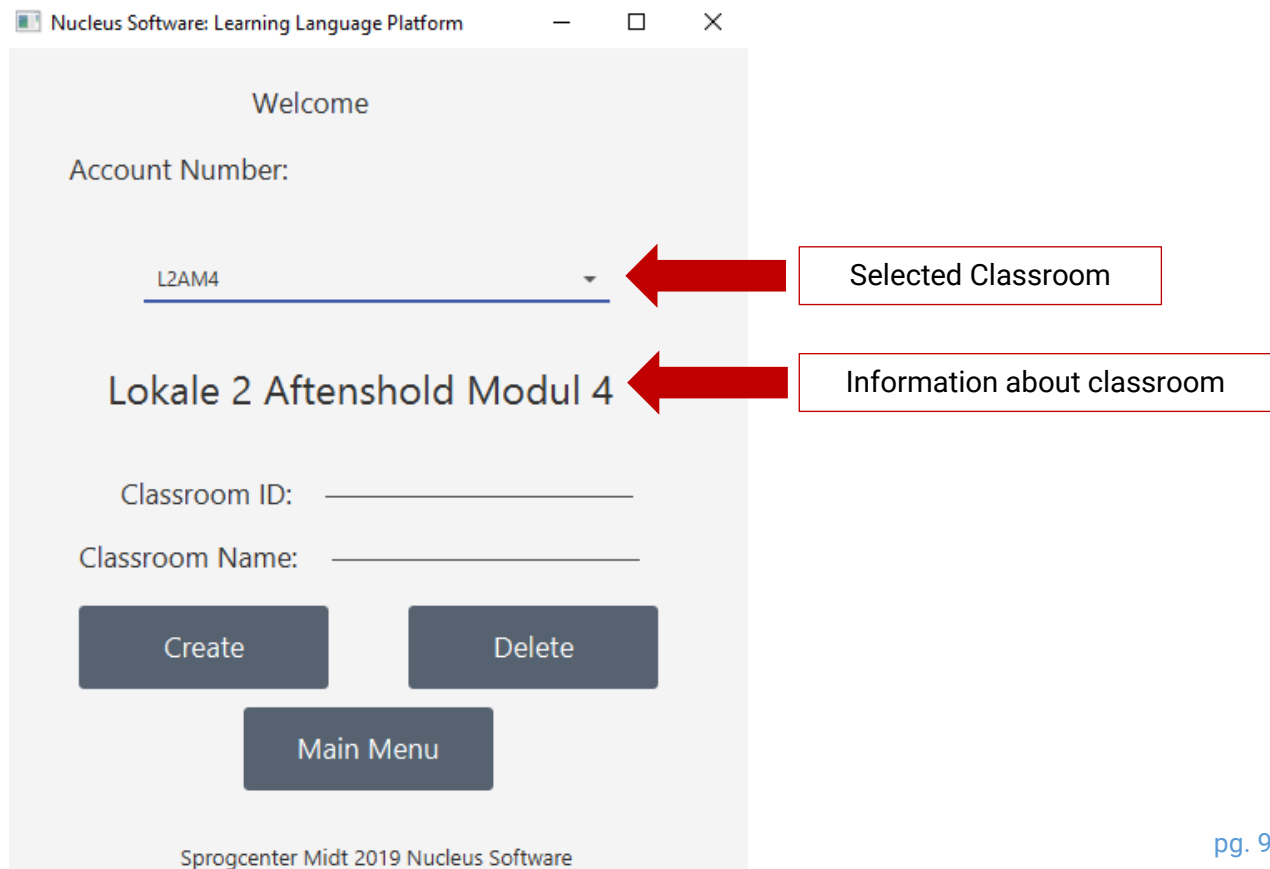


Figure 9 - Classroom Preview





5.2.2. Delete a classroom

To delete a classroom select the classroom to be deleted from the drop down menu, as described in the previous sub-chapter and press de *Delete Button* (Figure 7), check in the drop down menu if the classroom is still present, is so try again, is the issue persists contact the support. If no classroom is selected nothing will happen.

5.2.3. Adding a classroom

To add/create a classroom enter the classroom information (unique classroom id and classroom name) and press the *Create* button. Check if the classroom is not in the list of classrooms, in the drop down menu. If not please make sure that the classroom ID is unique and try again, if the issue persists contact support.

To go back to main menu press *Main Menu Button*.

5.3. Topic Management

5.3.1. General Information

To open the topic management menu, press the *Topic Button* from the Figure 6 (Main Menu). After that a new window will open as presented in the Figure 10.

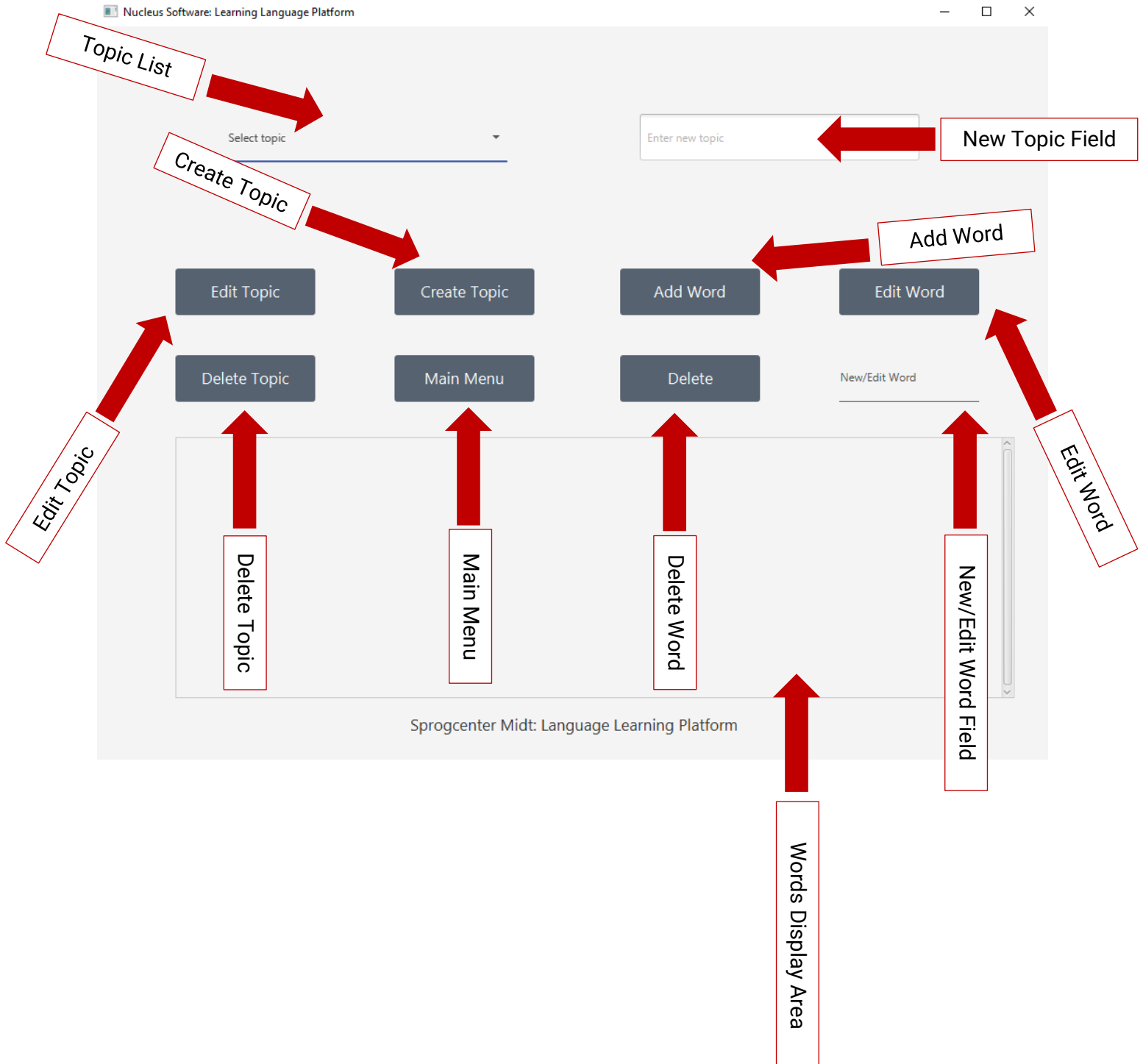
The Window is organized in 2 main areas:

- Topic Management (drop down menu, 3 buttons (create, edit, delete), topic input field);
- Word Management (word display area, 3 buttons (create, edit, delete), word input field);

The *Main Menu Button* to go back to main menu.



Figure 10 - Topic Window





5.3.2. Deleting a topic

To delete a topic select the topic from the drop down menu, and press *Delete Topic Button*. If a topic is not selected, an error will be displayed, if the error persists after selecting the topic, contact support.

Figure 11 - Topic Selection

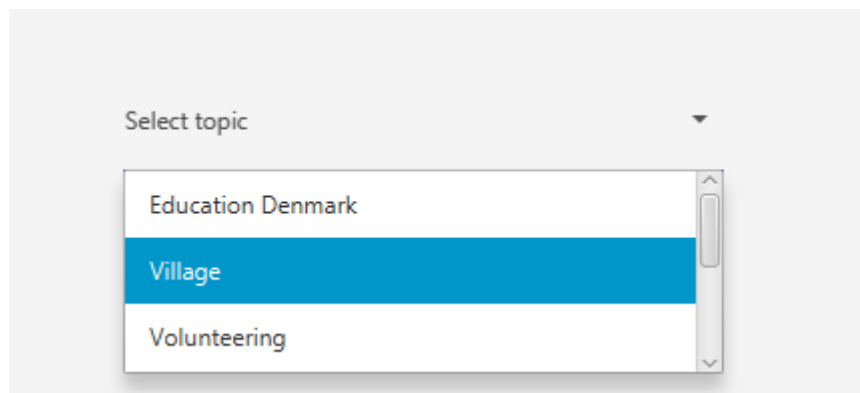
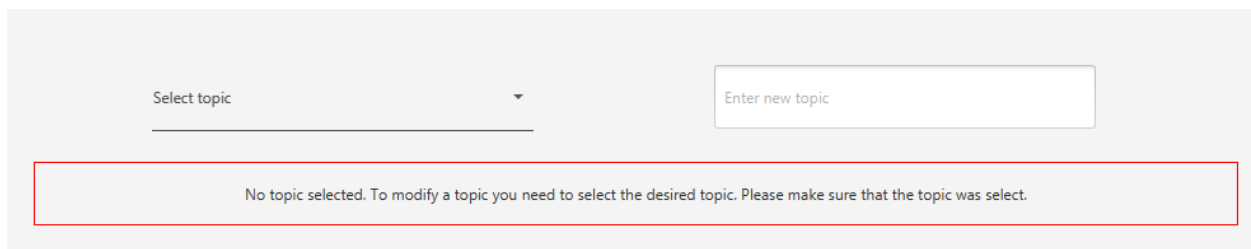


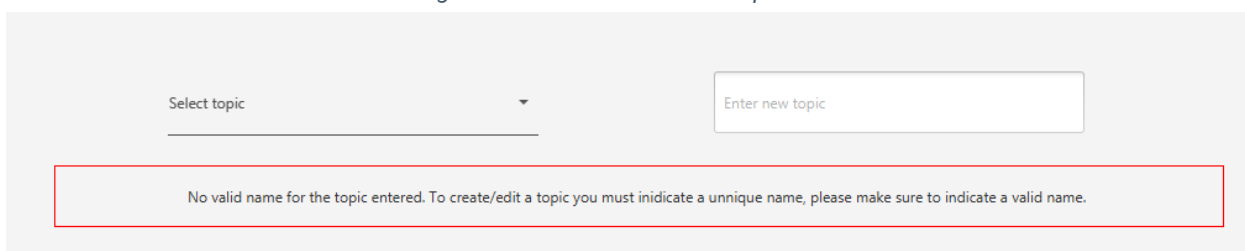
Figure 12 - Topic Not Selected Error



5.3.3. Adding a topic

To add a topic, please enter the topic name in the topic input field (Figure 10) and press *Create Topic Button*. You need to make sure that the topic name is unique or otherwise an error will be displayed. After adding the topic check if the topic was added in the list of topics (drop down menu) if not contact support.

Figure 13 - No Valid Name for topic Error





5.3.4. Editing a topic

To edit an existing topic (which will modify the name of the topic but not its words) select the topic, enter the new name of the topic (must be unique) and press *Edit Topic Button*. Check if the name was updated in the list of topics.

If a topic is not selected, or a valid name (unique, not empty) is not entered an error message will be displayed. If you have done everything correctly but the error still persist, please contact the support.

5.3.5. Deleting a word

To delete a word, select the topic where the word is selected, the word will be displayed in the word display area, select the word and press *Delete Button*.

Figure 14 - Word Display Section

Delete Topic

Main Menu

Delete

New/Edit Word

☐ Oven
 ☐ Television
 ☐ Lamp
 ☐ Sofa

☐ Bed
 ☐ back door
 ☐ basement
 ☐ bathtub

☐ carpet
 ☐ cupboard
 ☐ closet
 ☐ curtains

☐ dish washer
 ☐ downstairs
 ☐ drain
 ☐ driveway

☐ entrance
 ☐ electrical outlet
 ☐ furniture
 ☐ fireplace

☐ front door
 ☐ garage
 ☐ hall
 ☐ hallway

☐ laundry room
 ☐ living room
 ☐ mailbox
 ☐ plumbing

☐ pool
 ☐ shower
 ☐ sink
 ☒ vacuum cleaner

☐ washing machine
 ☐ welcome mat
 ☐ Computer
 ☐ House

☐ Kitchen
 ☐ Living Room
 ☐ Bedroom
 ☐ Window

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If no word is selected an error message will be displayed, if the error message persist even if a word was selected, please contact the support.



5.3.6. Adding and editing a word

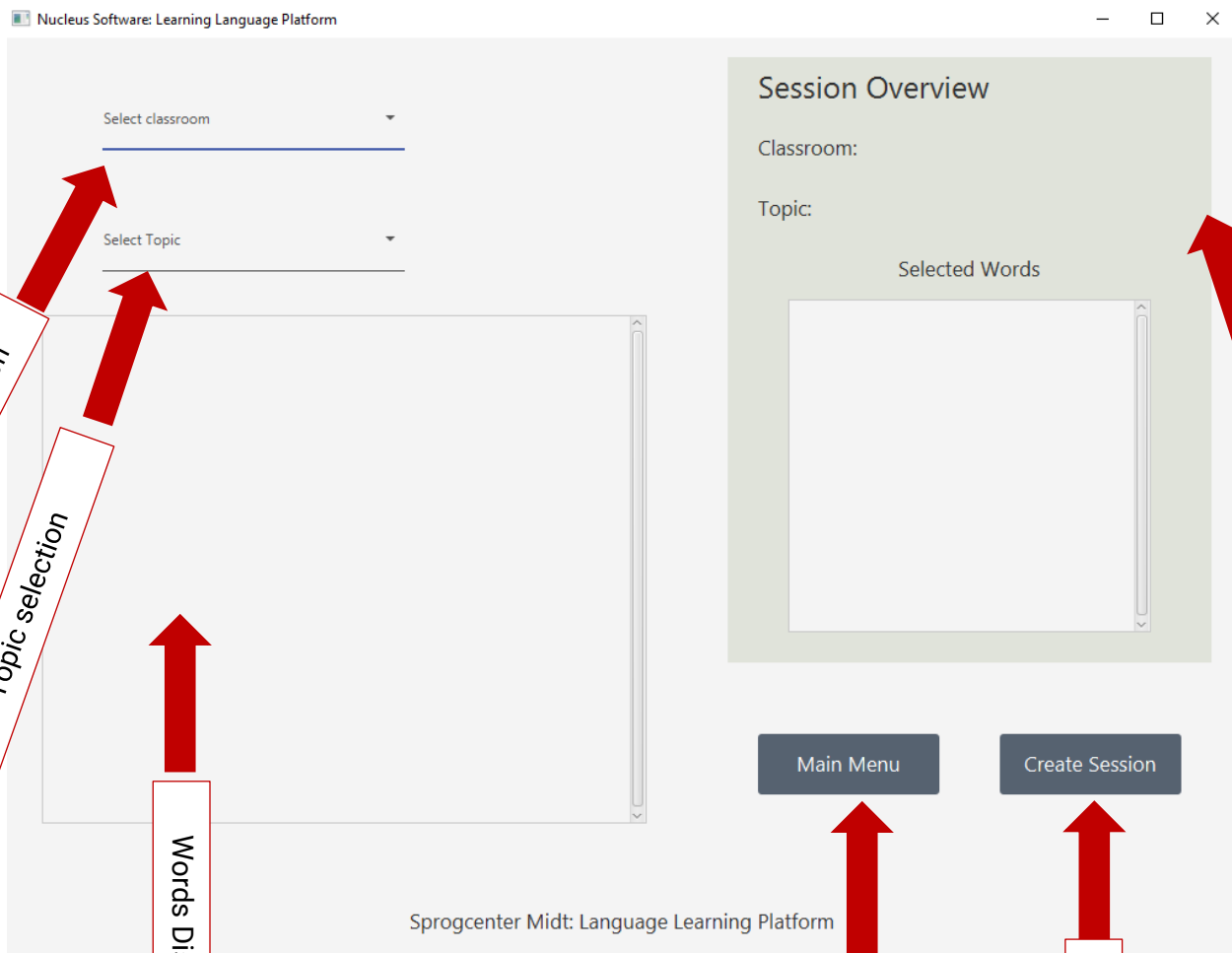
To add a new word, select the topic where the word should be placed and enter the word name in the word input field, next press the *Add Word Button*. The word must be unique within the topic, otherwise an error will be displayed.

To edit a word, select the word that you want to edit, enter the new name for the word in the word input field and press *Edit Word Button*. If an invalid name for the word (not unique or empty) an error message will be displayed.

5.4. Session Management

To enter the session management menu press the *Session Button* from the main menu (Figure 6). After that a new window will open similar to Figure 15.

Figure 15 - Session Window





5.4.1. Creating a Session

To create a session, select a classroom and make sure that the selected classroom is displayed in the overview area, select a topic and make sure that the selected topic is displayed in the overview area and check the words that you want to have in the session (at least one), and make sure that the words are displayed in the overview area, then press *Create Session Button*. If any of the specified above steps is not done an error will appear, if all the steps were followed by the error message still persists please contact support. In the next figure an example of how the creating process should look before pressing the *Create Session Button*.

Figure 16 - Session Creation Example

The screenshot shows the 'Nucleus Software: Learning Language Platform' window. On the left, there are two dropdown menus: the first is set to 'L2AM4' and the second to 'Home'. Below these are two columns of checkboxes for selecting words. The first column includes 'Oven', 'Lamp', 'Bed', 'basement' (checked), 'carpet', 'closet', 'dish washer' (checked), 'drain', 'entrance', 'furniture', 'front door', 'hall', 'laundry room', 'mailbox', and 'pool'. The second column includes 'Television', 'Sofa', 'back door', 'bathtub', 'cupboard' (checked), 'curtains', 'downstairs', 'driveway' (checked), 'electrical outlet', 'fireplace', 'garage' (checked), 'hallway', 'living room', 'plumbing', and 'shower'. On the right, a 'Session Overview' panel displays 'Classroom: L2AM4', 'Topic: Home', and a 'Selected Words' list containing 'basement', 'cupboard', 'garage', 'dish washer', and 'driveway'. At the bottom right are 'Main Menu' and 'Create Session' buttons. The footer text reads 'Sprogcenter Midt: Language Learning Platform'.

Figure 17 - Session Creation Error

The screenshot shows an error message box with a red border. It contains the text: 'Something went wrong. Session was not created. Makes sure that the classroom, topic and words are selected. Restart and try again.' Above the message box are two buttons: 'Main Menu' and 'Create Session'.



5.5. In session

In a session a teacher can see multiple elements:

- Access Code (Serial Number);
- Connected students;
- Submitted questions (preview);
- Submitted questions (review);
- Feedback input;
- Accept/Reject toggle;

Figure 18 - In Session Window

Nucleus Software: Learning Language Platform

The screenshot shows the 'In Session' window of the Nucleus Software: Learning Language Platform. The window is divided into several sections:

- Submitted Question Preview:** A table with columns: Student, Type, Word, Select.
- Access Code:** A section displaying the session number (TKOU0) and account number.
- Connected students:** A list of connected students with columns for Account Number and Name.
- Question Summary:** A section showing a list of questions with columns for Word, Type, Question, Answers, and Correct.
- Submit Review:** A button to submit a review.
- Main Menu:** A button to return to the main menu.
- Feedback:** A section with a 'Reject' toggle and an 'Accept' button, followed by a text input field for feedback.

Red arrows point from the following labels to the corresponding elements in the screenshot:

- Submitted Question Preview
- Access Code
- Connected students
- Submit Review
- Main Menu
- Question review
- Feedback



The access code is used to allow students to connect to the session created by you. In the connected students session you can see currently connected students. In the Submitted Questions Preview you can see a preview of the submitted questions by the students, by selecting a question it will be displayed in the Question Review with all the information about the question.

The feedback functionality is not yet implemented, it will be present with the next release.

Figure 19 - Question Review Example

Nucleus Software: Learning Language Platform

Student	Type	Word	Select
james0001	Odd-one-out	curtains	<input type="radio"/>
james0001	Odd-one-out	Bed	<input checked="" type="radio"/>

Question Summary

Student: james0001

Submit Review

Main Menu

Word

Bed

Type

Odd-one-out

Question

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Answers

answer1, answer2, answer3, answer4

Correct

answer3

Connected Students

Session number: F19ZX

Account Number

Name

james0001James May

Reject

Accept

Enter your feedback for the selected question...

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An example of how it should look when reviewing a question.

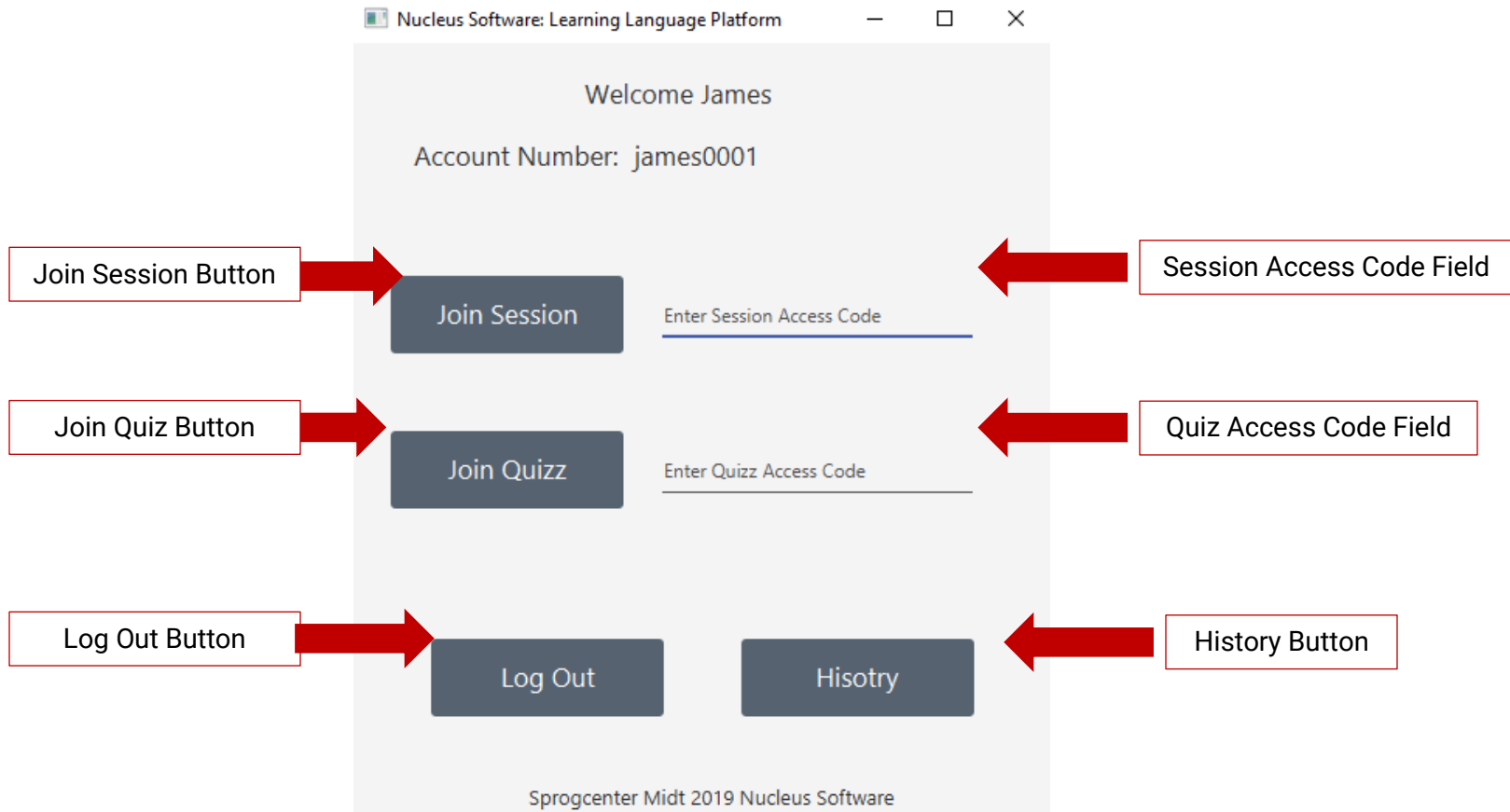


6. Student

6.1. Joining a Session

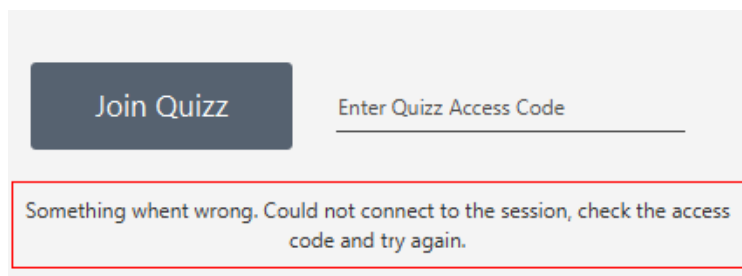
After logging in you (as a student) will be presented with the following main menu.

Figure 20 - Main Menu Student



The Quiz options and history are not yet functional. The log out button will bring you back to the Login window, and after inserting the access code provided by the teacher and press *Join Session Button* you will be transferred to the Session windows. If on pressing the *Join Session Button* an error is displayed, please check the correctness of the access code (case sensitive), otherwise contact the support.

Figure 21 - Student Session Connect Error





6.2 In Session

After successfully joining a session you will be presented with the next *Session Windows* presented below. In this window you can create and submit question for teacher to review.

Figure 22 - In Session Student

The screenshot shows the 'In Session Student' interface. At the top, it displays session information: Teacher: John, Class: L2AM4, Word: , Topic: Home, Student: James, Time: 2:58:7. Below this is a list of words with radio buttons for selection: Lamp, Bed, Oven, Television, Sofa, plumbing, shower, laundry room, mailbox, and pool. A 'Select Word' button is located below the list. To the right is a 'Question Summary' table with columns for Word, Type, Question, Answers, and Correct. Below the table is a 'Submit' button. At the bottom, there is a 'Question Types' dropdown menu, a 'Question Text Input' field, and an 'Answers' section with four rows, each containing an 'Input answer' field and a 'Correct' radio button. Red arrows point from labels to these specific elements: 'Available Words' points to the word list, 'Question Summary' points to the summary table, 'Select Word Button' points to the 'Select Word' button, 'Question Types' points to the dropdown menu, 'Question Text Input' points to the text input field, and 'Answers' points to the answers section.

Teacher: John Class: L2AM4 Word: Topic: Home Student: James Time: 2:58:7

☐ Lamp ☐ Bed ☐ Oven
☐ Television ☐ Sofa ☐ plumbing
☐ shower ☐ laundry room ☐ mailbox
☐ pool

Select Word

Select the type of question

Enter your question...

Question Summary

Word	Type	Question	Answers	Correct

Submit

Answers	Correct
Input answer	<input type="radio"/>
Input answer	<input type="radio"/>
Input answer	<input type="radio"/>
Input answer	<input type="radio"/>

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6.2.1 Creating a question

To create and submit a question the student must:

- Select a word (not greyed one) and press *Select Word Button*;
- Select a type from drop down menu;
- Input question text;
- Input 4 answers;
- Select correct answer;
- Check all the information in the question overview section;
- Press *Submit Question Button*;

Figure 23 - Select Question Type

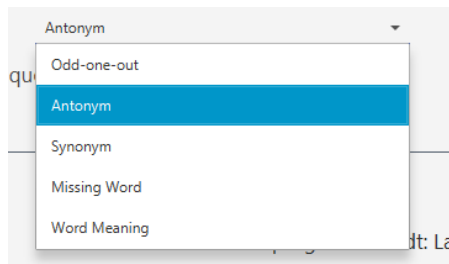


Figure 24 - Question Creation Example

Nucleus Software: Learning Language Platform

Teacher: John Class: L2AM4 Word: Television
Topic: Home Student: James Time: 2:58:7

☐ Lamp
☐ Television
☐ shower
☐ pool

☐ Bed
☐ Sofa
☐ laundry room

☐ Oven
☐ plumbing
☐ mailbox

Select Word

Antonym

Lorem ipsum dolor sit amet, consectetur adipiscing elit

Question Summary

Word	Television
Type	Antonym
Question	Lorem ipsum dolor sit amet, consectetur adipiscing elit
Answers	Answer 1, Answer 2, Answer 3, Answer 4,
Correct	Answer 3

Submit

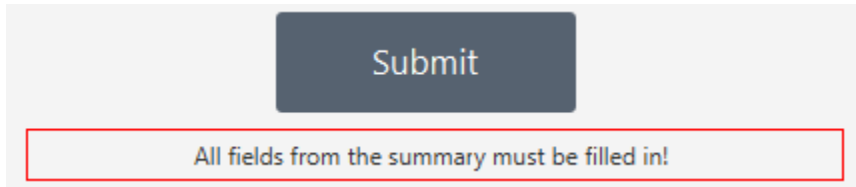
Answers	Correct
Answer 1	<input type="radio"/>
Answer 2	<input type="radio"/>
Answer 3	<input checked="" type="radio"/>
Answer 4	<input type="radio"/>

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All the steps specified are mandatory, if one step is not fulfilled an error message will be displayed. If the student has followed all the steps but the error still persists, please contact support.

Figure 25 - Question Submit Error



7. Final Notes

It is important to understand that the product is unfinished, in a pre-alpha state, there might be unseen errors and bugs, and we are kindly asking you to report any issue that you might encounter during the test use of the software.