VARpedia - User Manual
By Group 34

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First Time Launch

Thank you for choosing VARpedia. Please be aware that this application is only compatible with Linux operating systems and should be run on the University of Auckland ECSE Lab computers with the Teaching Beta Linux image.

To run VARpedia, make sure you have downloaded the VARpedia.zip files and have exported the folder. Open the exported folder, right click and click "Open terminal here". Then type "java -jar VARpedia.jar" and the application will open.
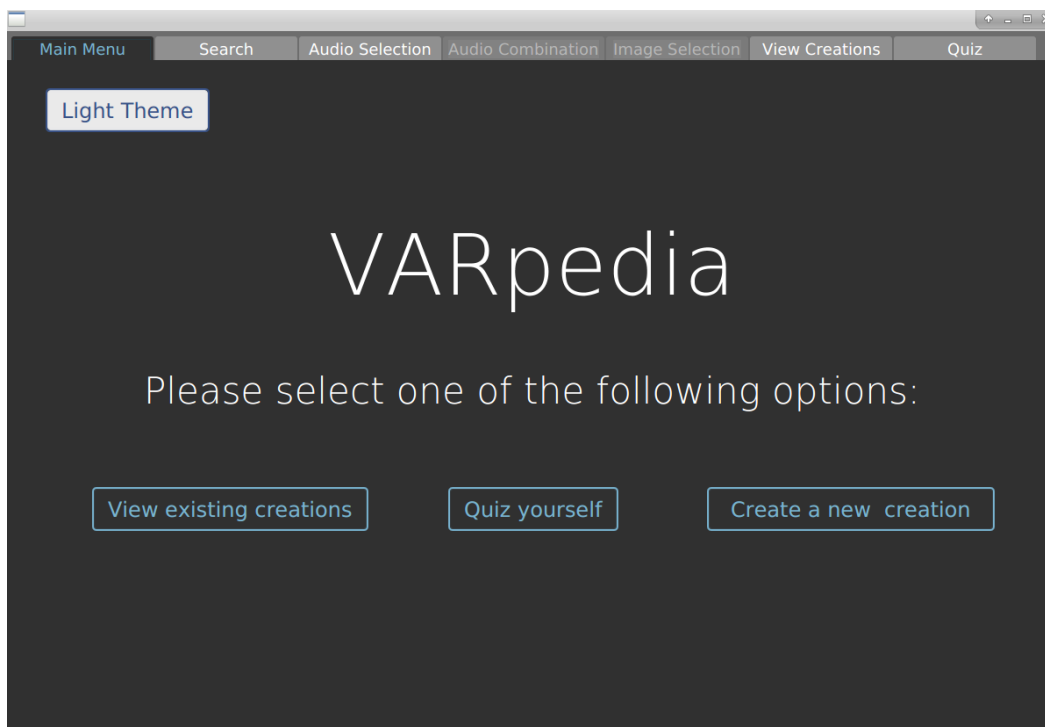
Enjoy!

Main Menu

Figure 1: Main Menu Tab

The entry point of the VARpedia application is the Main Menu Tab. On this screen you can select one of the buttons to either view existing creations, quiz yourself, or create a new creation. If you would like to change the theme of the application to one that has a white background, click the "Light Theme" button to change it, re-click the button (the text will have changed to "Dark Theme") to change it back.

At any time whilst creating a creation, if you want to reset your progress, click the "Create a new creation button".
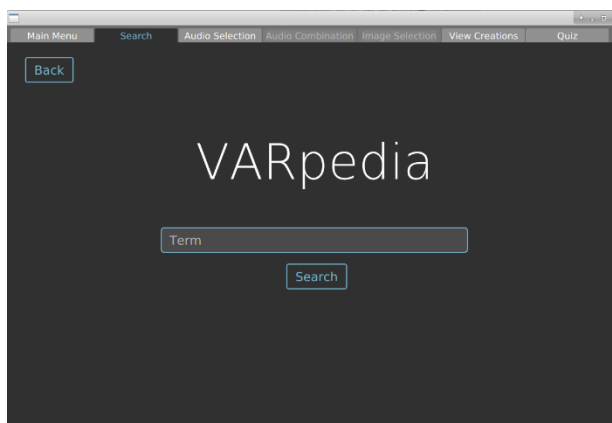
Search Tab

Figure 2: Search Tab

To search, enter in the text field the term you want to search and press search.
The button is disabled when the text field is empty and will be enabled when you type your search term.
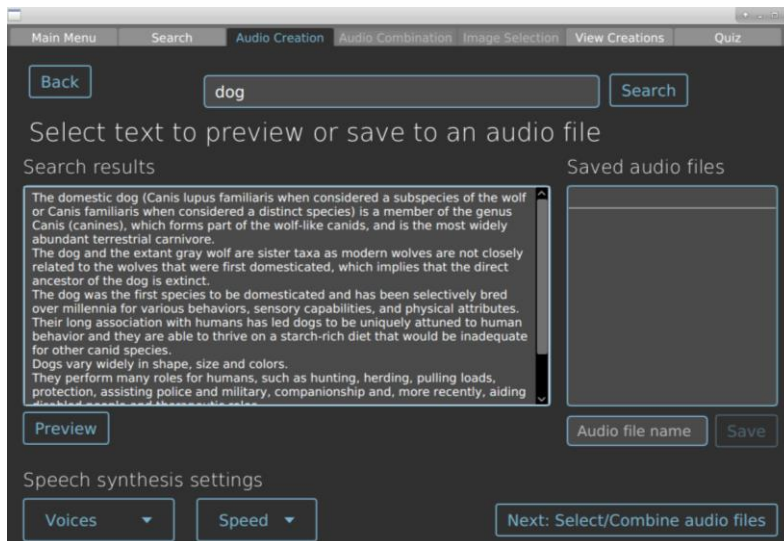If you want to go back to the main menu, press the back button.

Audio Creation

After searching for a term, the text found from Wikipedia for that search will be displayed under "Search Results". If you would like to search for a different term. Enter it in the text field next to the "Search" button and click "Search". The new search results will appear under "Search Results".

Figure 3: Audio Creation Tab

Select the text you would like to synthesize by clicking the search results and dragging across the text you would like (up to 40 words).
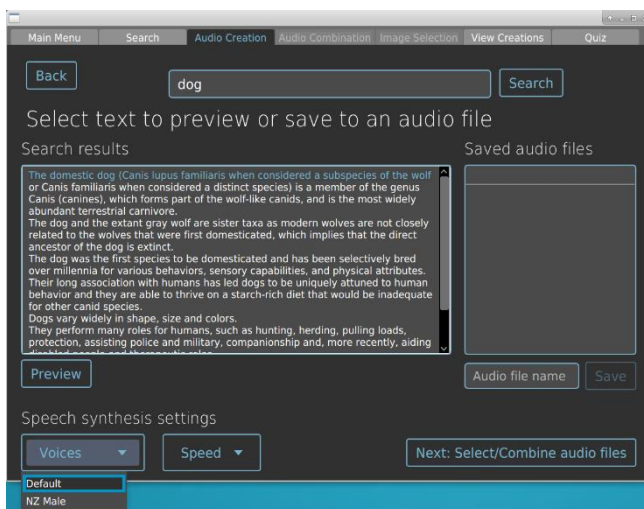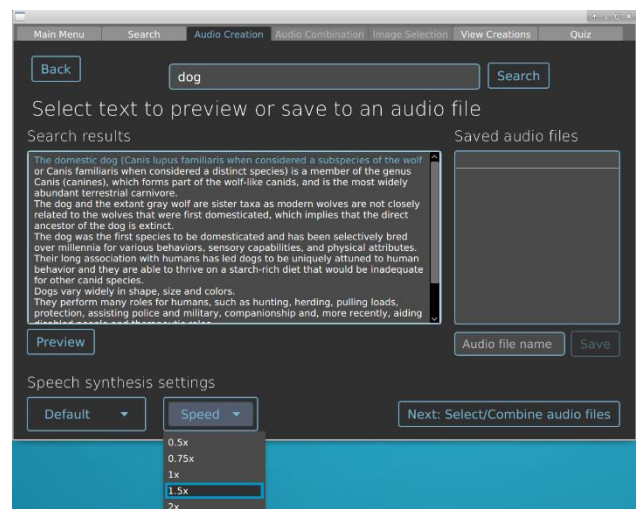

Figure 5: Changing Voices

Figure 4: Changing Speed

You can also change the Voice and speed for the text being synthesized, under "Speech synthesis settings", by clicking the "Voices" and "Speed" menu buttons and selecting an option from the drop-down menus. If no Voice is chosen, the application will have the Default selected and if no Speed is chosen, the application will have the speed set as 1x (which is the normal speed).
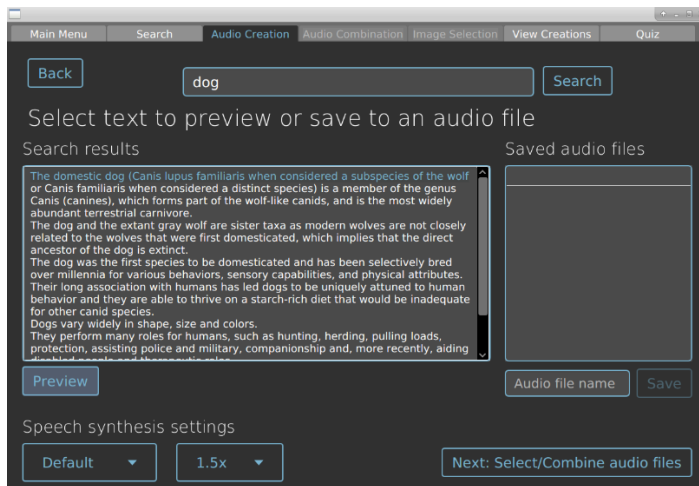
Figure 6: Previewing selected text

If you wish to, you can preview the text selected with the settings chosen before saving it to an audio file. To do so, click the "Preview" button whilst the text is still selected.
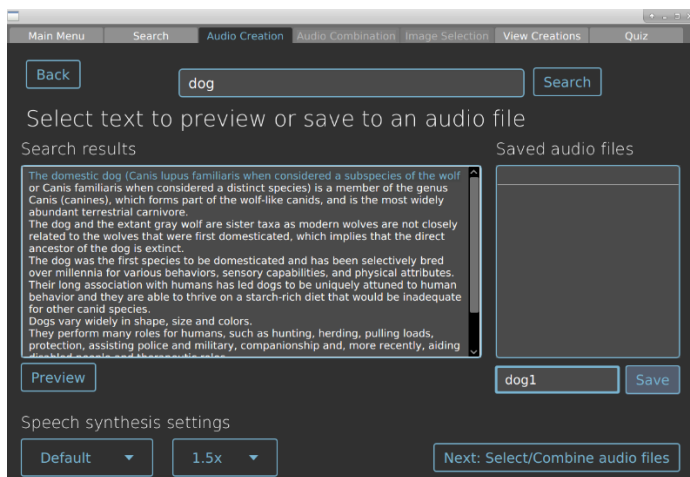

Figure 7: Saving audio file

To save the selected text to an audio file. In the text field next to the "Save" button, write a name for the audio file, and whilst the text is selected, click "Save". If the creation was successful, the audio file will show up in the list under "Saved audio files", otherwise a pop-up will tell you it could not be created.
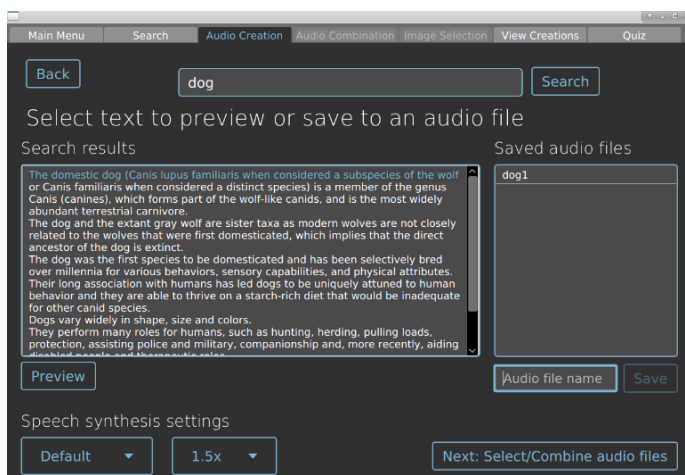

Figure 8: Successful creation of audio file

You can repeat the previous steps to create more audio files.
Once you are finished saving audio files, click the "Next: Select/combine audio files" to continue.
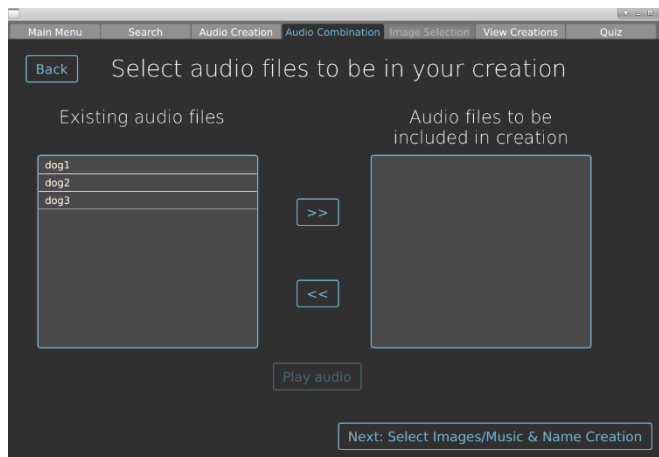
Audio Combination

Figure 9: Audio Combination Tab

On this tab you can select the audio files you would like in your final creation. If you wish to create more audio files, click the "Back" button.
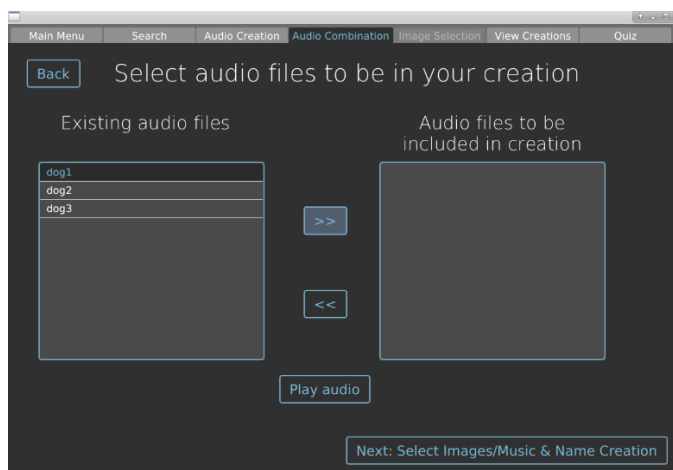

Figure 10: Adding selected audio file to creation

To add audio files to your creation, select an audio file and click the button ">>" which will move it to across to the other list. Repeat this until you are happy with the audio file that will be in your creation. If you decide you don't want one of the files you chose in the creation, select the file from the right hand list and click the "<<" button which will move it back. When you are happy with your selection, click the Next button to continue.
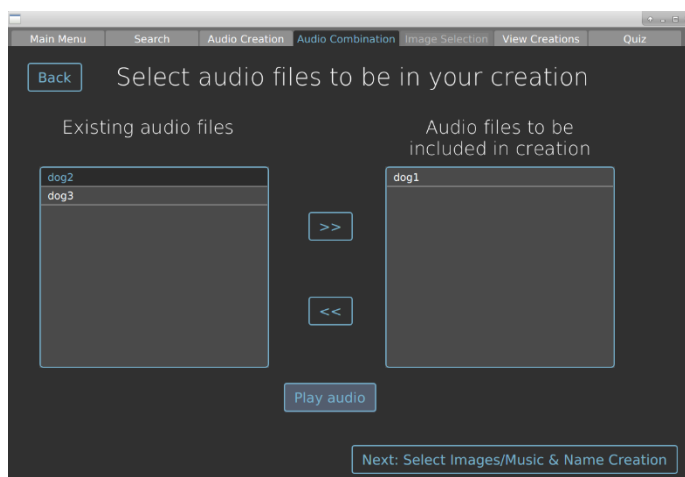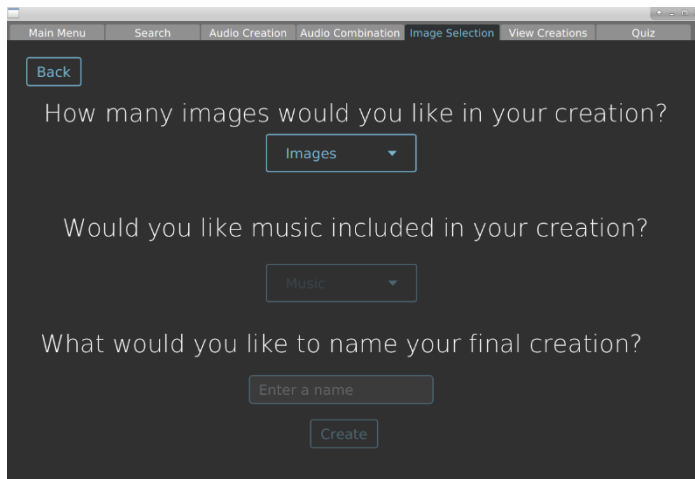

Figure 11: Playing audio file

To play the audio to remember what each one was, select an audio file from either list and then click the "Play audio button".
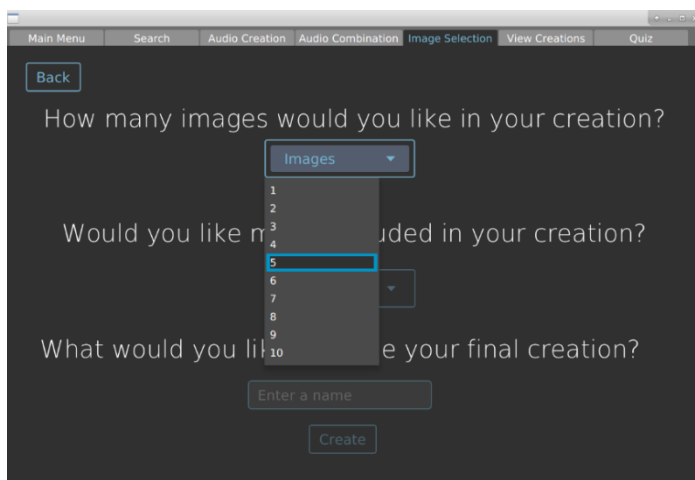
Image/Music Selection
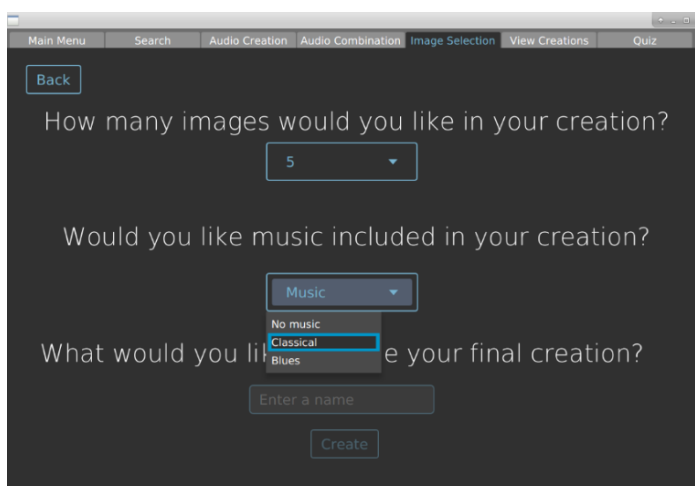

Figure 12: Image Selection Tab

On this tab you select the number of images and type of music to be included in your creation and then name it. If you would like to return to the Audio Combination tab, press the "Back" button.

Figure 13: Selecting number of images

To select the number of images you would like in your creation, click the "Images" menu button and select a number between 1 & 10.

Figure 14: Select background music

Click the "Music" menu button to choose what music you would like in the background of your creation. If you would not like any music, then click choose "No music".

Figure 14: Naming the creation

The last step is to name your creation and then click "Create". A loading sign will be shown while it is being created.

Figure 16: Pop-up informing the user the creation has been created

Once the creation has been created, this pop-up will be displayed to inform you that you can now view it.
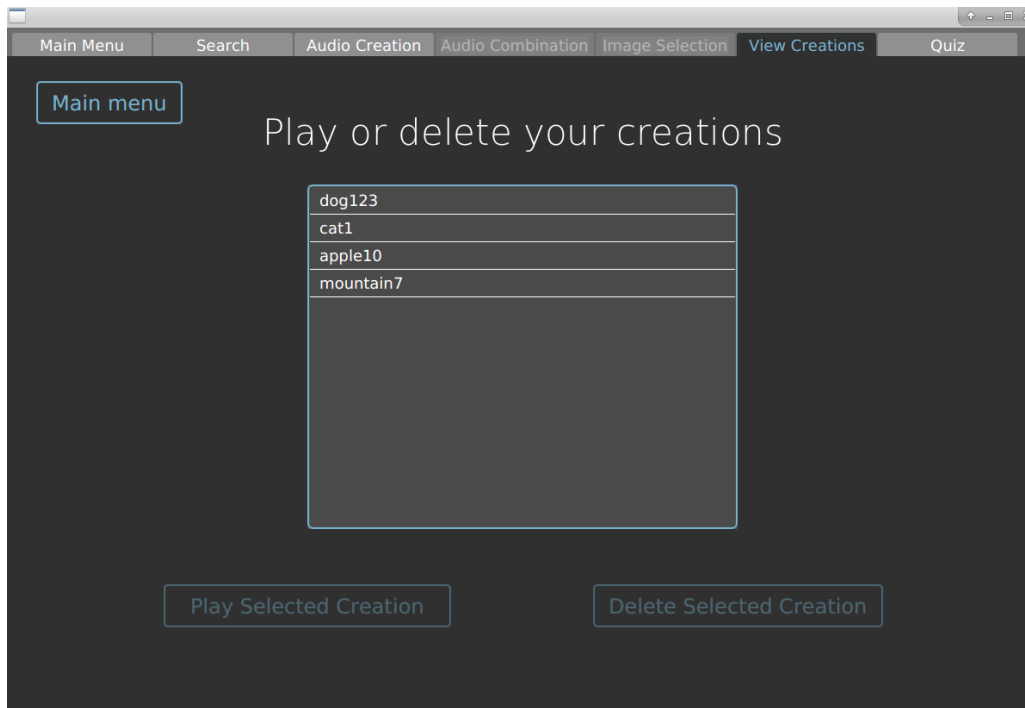
View Creations

Figure 17: View Creations Tab

On this screen you can either play or delete your creations. All your existing creations are displayed here.
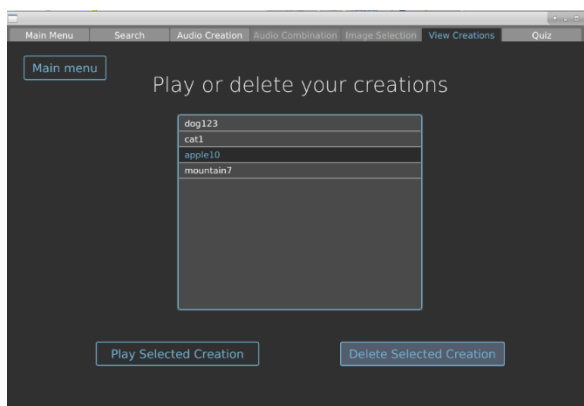
Deleting Creations

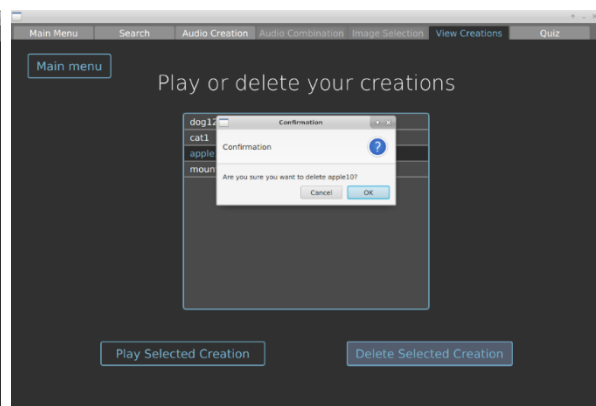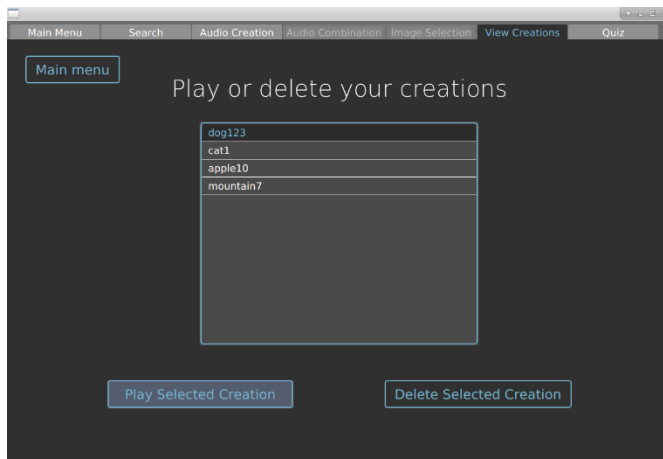*Figure 19: Selecting creation to delete*
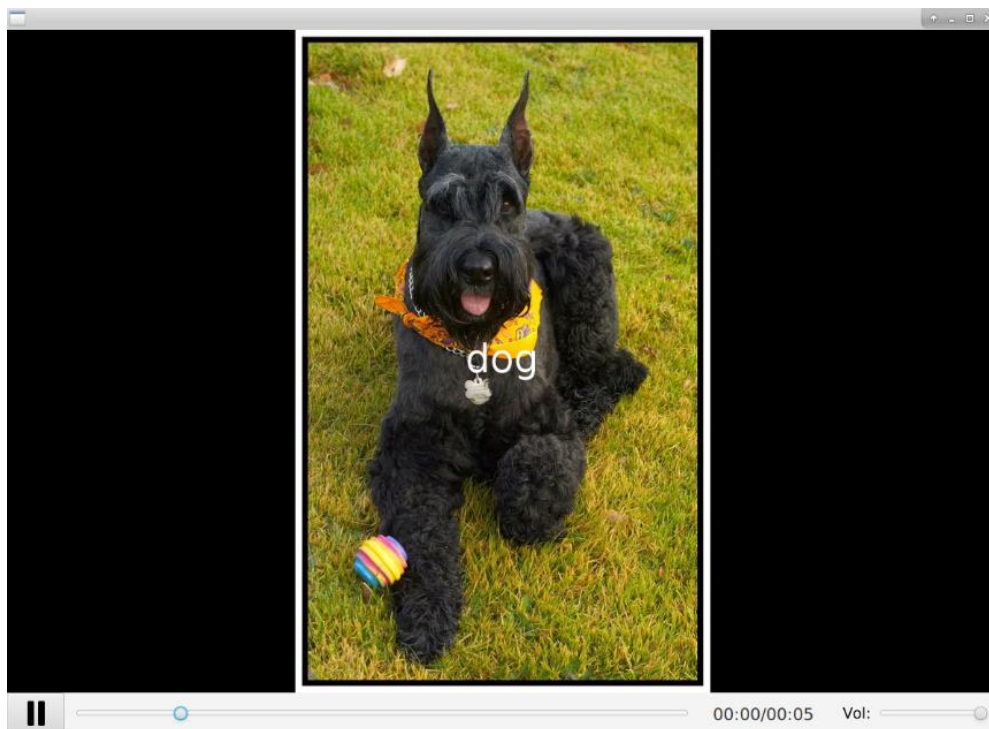

Figure 18: Confirmation pop-up for deleting creation

To delete a creation, select it from the list and click the "Delete Selected Creation" button. A confirmation alert will pop-up asking you to confirm the deletion, select "OK" to delete what is selected, or "Cancel" if you decide not to delete it.

Playing Creations

Figure 20: Selecting creation to play

To play a creation, select one from the list and then click "Play Selected Creation". It will open in a new screen.

Figure 21: Pop-up window playing selected creation

The creation will begin playing automatically. To pause it, push the button in the bottom left corner, and push it again to play. If you want to move to a different place in the video, use the slider at the bottom of the screen, next to the pause/play button, and drag it. When you let go the video will play from that position. To change the volume of the video, use the "Vol:" slider on the bottom right corner to adjust the volume by dragging it.

Quiz

Quiz Questions

When you click the Quiz tab, the first creation (without audio) will begin playing automatically. The purpose of the quiz is for each creation shown, guess the search term. Each level will be a different creation you have created. You get one point for answering correctly, and zero if you do not answer it correctly or it takes multiple attempts.
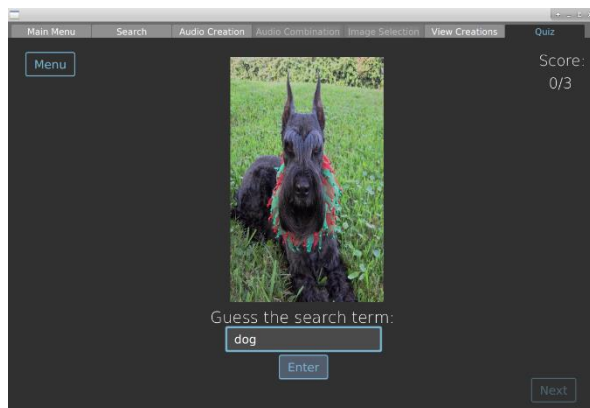

Figure 22: Guessing the search term

To make a guess, enter what you think the search term for the creation was and click "Enter".
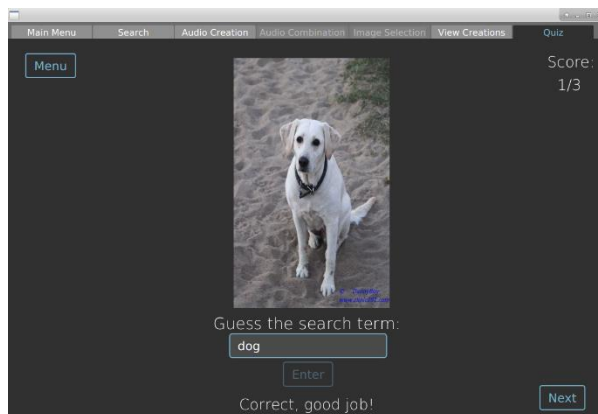

Figure 23: Correctly guessing the search term

Since the search term was guessed correctly, the score went up and the "Enter" button was disabled. So, click "Next" to go to the next level.
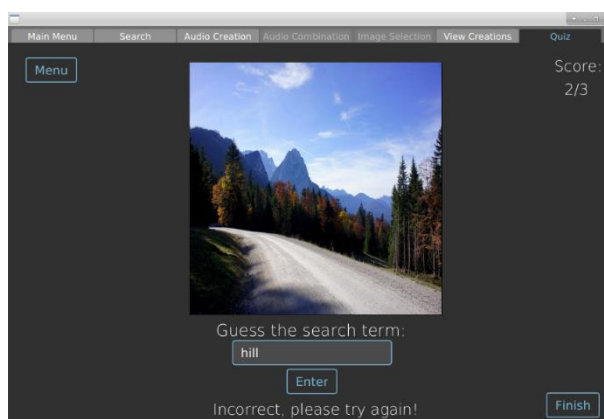

Figure 24: Incorrectly guessing the search term

Since the search term was guessed incorrectly, the score did not increase and the "Enter" button was not disabled. You can keep guessing until you get the right answer (you will not get any extra points for this), or you can skip by clicking the "Next" button to go to the next level or "Finish" if on the last level which will take you to the Quiz Summary page.
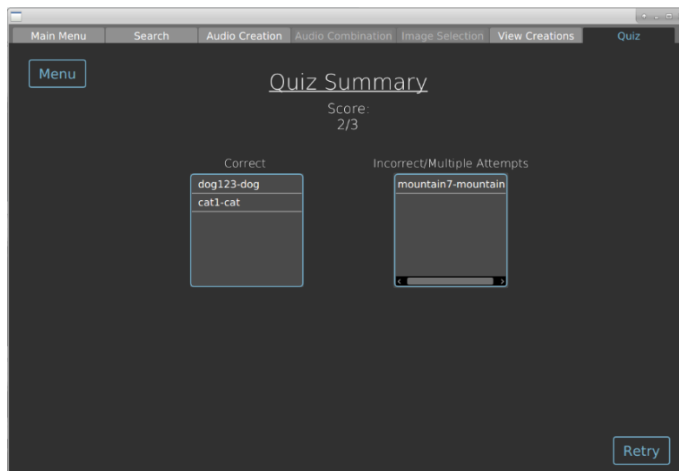
Quiz Summary

Figure 25: Quiz Summary

After completing the quiz, a summary of the quiz is shown. This includes the score which is the number of correct attempts on the first try out of the number of levels/creations there were. There are two list views, one for correct attempts and one for incorrect/multiple attempts.
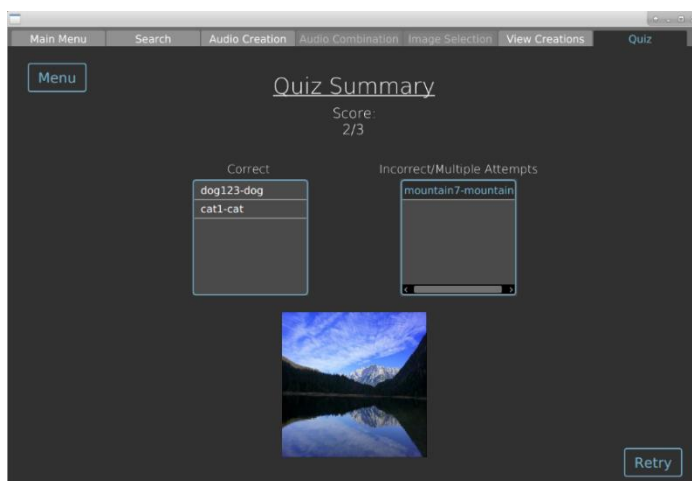

Figure 26: Replaying creations in Quiz Summary

You can play a preview of these videos by selecting it from the list. In the lists the names are displayed as "creation name"-"search term". For example, if you searched for cat and named it cat2, it would show as "cat2-cat"
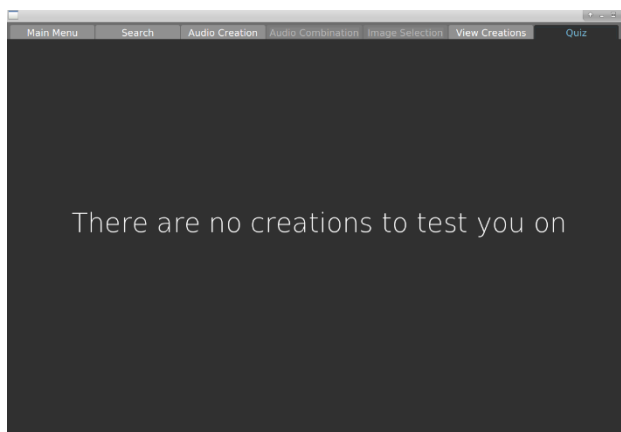
No Creations for Quiz

Figure 27: No Creations for Quiz

If no creations have been created yet, you are unable to quiz yourself yet. First create a new creation. To begin, either go back to the main menu by click the "Main Menu" tab on the top left and select "Create a new creation" or select either the "Search" tab or "Audio Creation" tab.