VARpedia User manual

Group 30

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First Time launch

Thank you for using this VARpedia tool. Before you launch VARpedia, please be aware that it is only compatible with UNIX/Linux operating systems.

The information content in the VARpedia will be sourced from Wikipedia using the wikit command. Please make sure that the 'wikit' module is installed via the terminal.

To install wikit, type enter the following into the terminal:

```
sudo apt install nodejs
sudo npm install wikit -q
```

For more information, visit: https://www.tecmint.com/wikipedia-commandline-tool/

You will also need FFmpeg installed on your operating system for the create creations feature of VARpedia to function correctly. For more information, visit: https://linuxize.com/post/how-to-install-ffmpeg-on-ubuntu-18-04/

Upon on the first launch, the VARpedia application will create a VAR-Encyclopedia folder under the current directory, and this folder will contain creations and audio files.

Note: The BGM file contains music files that will be used to support background music selection feature.

Instructions

The start menu:

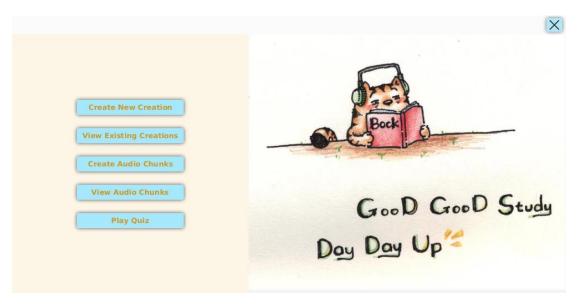


Figure 1: Main menu

The entry point of the VARpedia application is the Main Menu which contains five options: Create New Creation, View Existing Creations, Create Audio Chunks, View Audio Chunks and Play Quiz.

Creating audio chunks

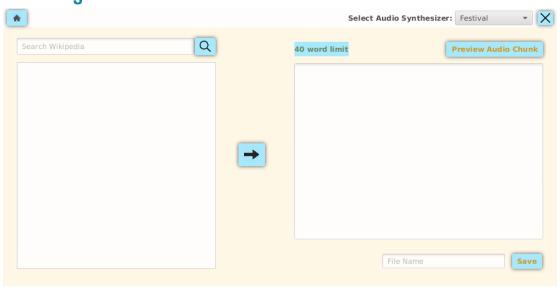


Figure 2: Create Audio Chunk Pane

Searching a term on Wikipedia



Figure 3: Search box

- 1. Users type the word that they want to search on Wikipedia. For example, "apple".
- 2. Then click the search button and it will display the content from Wikipedia result like this:



Figure 4: Display result



Figure 5: Edit Pane

3. The user then adds sentences to the text editor with the → button. The text can then be modified by typing into the editor. Audio chunks have a 40 word limit. If the editor contains more than 40 words the label will become red 40 word limit. The user can also preview the audio chunk by pressing Preview Audio Chunk.

Voice selection

4. The user can select voice by clicking the choice box at the top right corner



Figure 6: Voice selection

5. The final step is to add a name for the audio chunk and press "Save" button to save audio chunk.



Figure 7: Enter a file name

Creating a creation

Audio selection



Figure 8: Audio Selection Pane

- The list on the left-hand side displays all search terms which the user currently has saved audio chunks for.
- Once the user selects a search term, it then displays the audio chunks associated with the searched term in the middle list.
- The user can press to add the audio chunk to be included in the final creation and press to remove the audio chunk. The user can change the order of audio chunks by pressing (shift upwards) or (shift downwards).
- Clicking the "Continue to image Selection" will lead the user to the image selection part.

Image selection

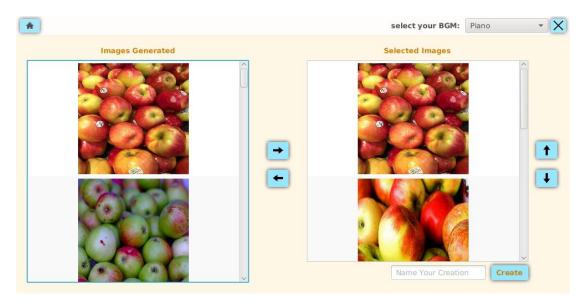


Figure 9: Image selection Pane

- On the left side, it will display exactly 10 images related to the search term, downloaded from Flickr.
- The user can press → to add the image to be included in the final creation and press ← to remove the image. The user can change the order of images by pressing ↑ (shift upwards) or ↓ (shift downwards).

Background music selection



Figure 10: Background Music Selection box

• At the top right corner of the application, the user can select a background music for their creations.

Finally, the user enters a name for the creation and presses the "Create" button to create their creation.

Viewing creations

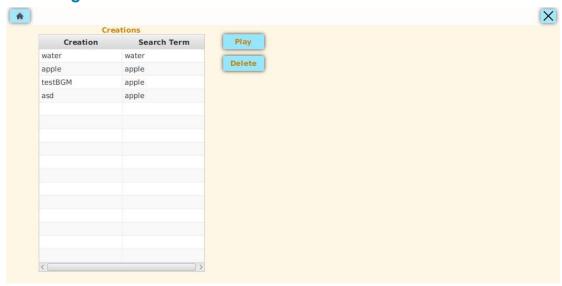


Figure 11: View Creation Pane

On the left side, there is a list of all available creations with their name and related search term.

Select one creation and the user can either:

- Play the creation by pressing "Play" button, or
- Delete the creation by pressing "Delete" button.

Playing a Creation:



Figure 12: Play Creation

- Press Play/Pause to start/stop playing the creation.
- The user can skip forward (10 seconds) by clicking "Skip Forward" as well as skip backward (10 seconds) by clicking "Skip Backward".

View audio chunk

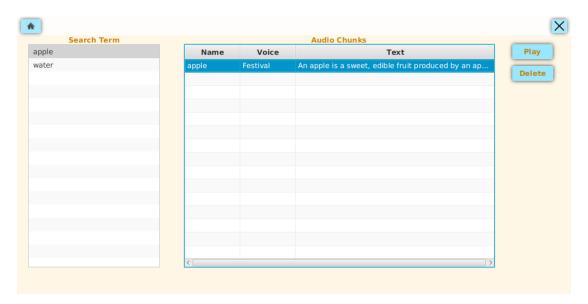


Figure 13: View Audio Chunk Pane

On the left side, it will list all search terms that the user has audio chunks saved for.

The user selects one search term, and then all audio chunks that related to the search term will be displayed with the audio chunks name, voice used and text which was read to create the chunk.

Next, the user can either:

- Play an audio chunk by pressing "Play" button, or
- Delete an audio chunk by pressing "Delete" button.

When Playing the audio chunk:

• Press "Stop" button whenever the user wants to stop playing it.

Quiz

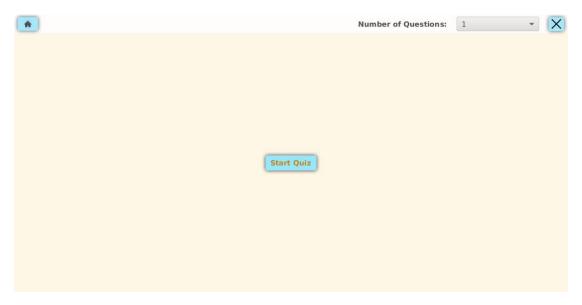


Figure 14: Quiz Pane

The VARpedia application contains a quiz as an active learning component.



- 1. Select the number of questions on the top right corner.
- 2. Press "Start Quiz".



Figure 15: Do Quiz Pane

A creation will play without the search term, displayed visually, or read out (the search term will be replaced with the word 'blank').

Again, the user can skip forward or backword and Pause/Play the creation.

The user can then guess the search term which was searched to create the creation.

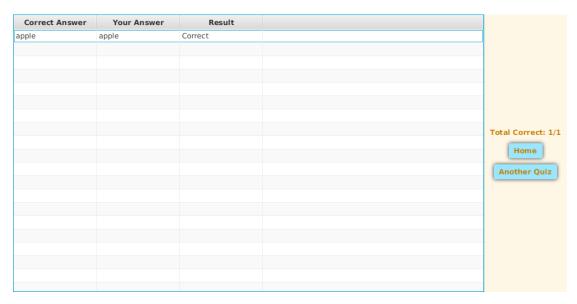


Figure 16: Result Pane

Once all the questions have been answered, the user can see results and their scores.

After that, the user can either:

- Press "Another Quiz" to have another attempt, or
- Back to the main menu by pressing "Home" button.

Note

- All buttons are Home button that will let the user return to the Main Menu
- ullet All lacktriangle buttons are Quit button that will leave this application.