VAR-Encyclopedia- User manual

By Group 30

Table of content

Table of Pictures

First Time launch

Thank you for using this VAR-Encyclopedia 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 wikit command. Please make sure that 'wikit' command is available in your operating system.

You can install this for free on your system by typing the terminal:

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

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

Besides, you will also need FFmpeg installed on your operating system for the create creations feature of VARpedia to function correctly. For more information, please 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 creation and audio files.

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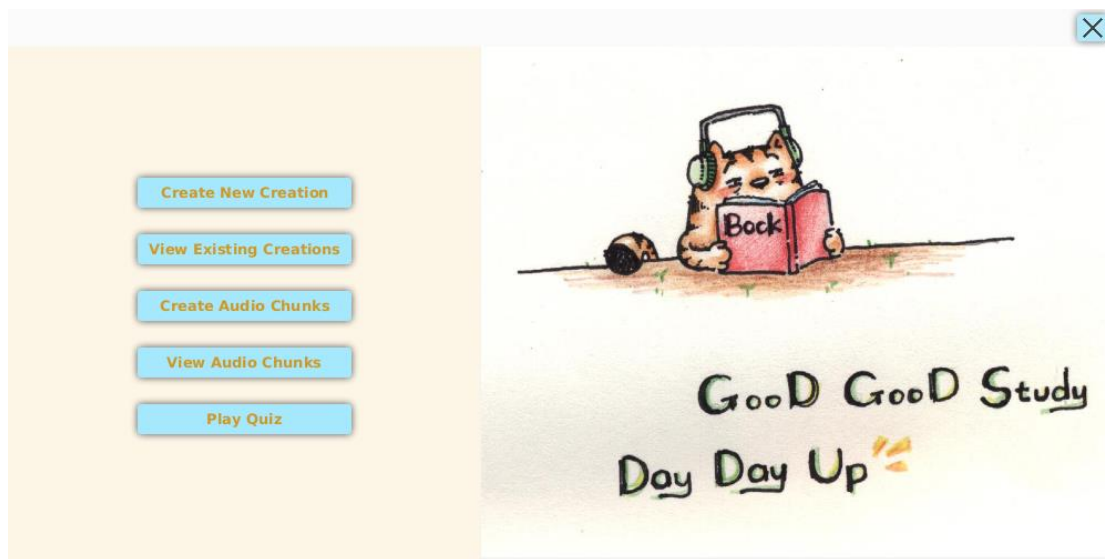
Instruction

The start menu:

Figure 1: Main menu

The entry point of the VARpedia application is the main pane which contains five options : create creations, view existing creation, create audio chunk, view audio chunk and play quiz.
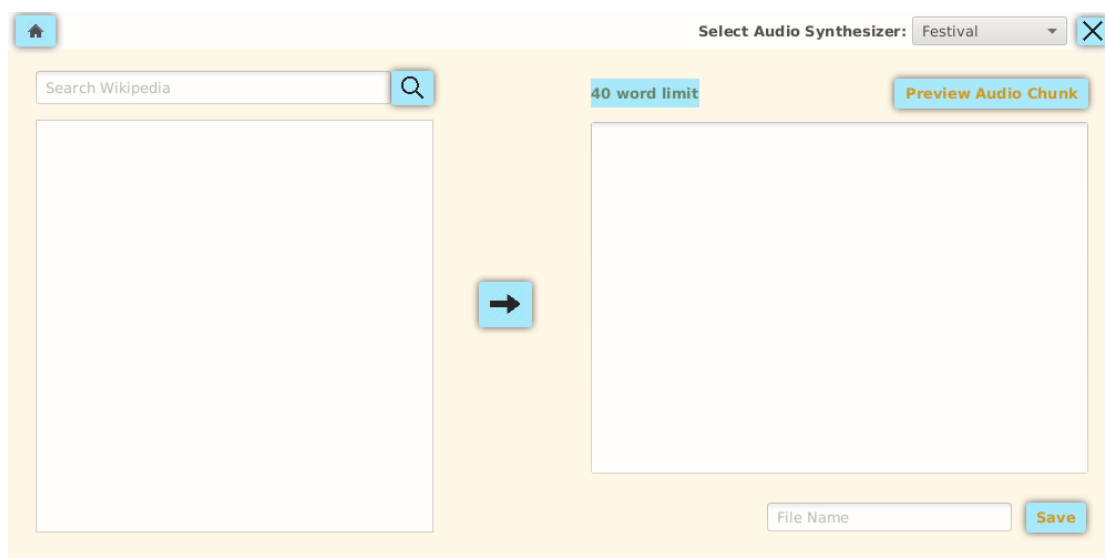
Create audio chunk

Figure 2: Create Audio Chunk Pane

Search term on Wikipedia

Figure 3: Search box

1. Users type the word that they want to search on the Wikipedia. (for example, "apple")

2. Then click the search button and it will display the content from Wikipedia result like this:
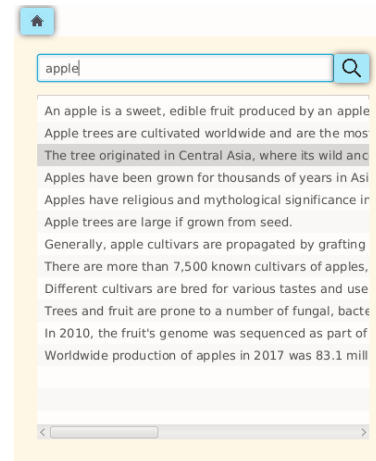
Figure 4: Display result
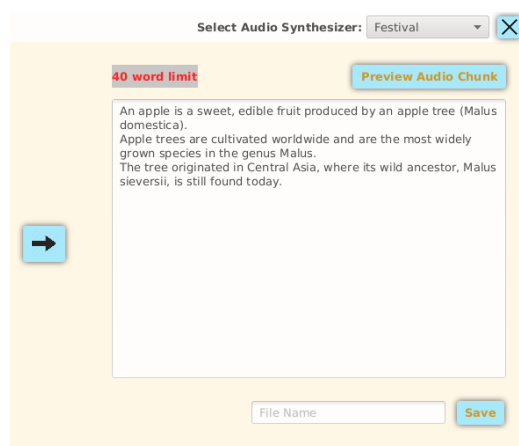
Figure 5: Edit Pane

3. The user then selects the sentences they want and press to modify (the words limit is 40. When the user selects the content that has more than 40 words, this warning message **40 word limit** 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
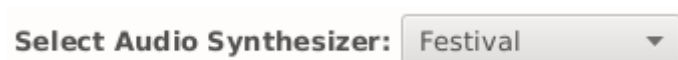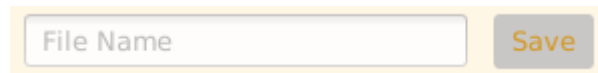

Figure 6: Voice selection

5

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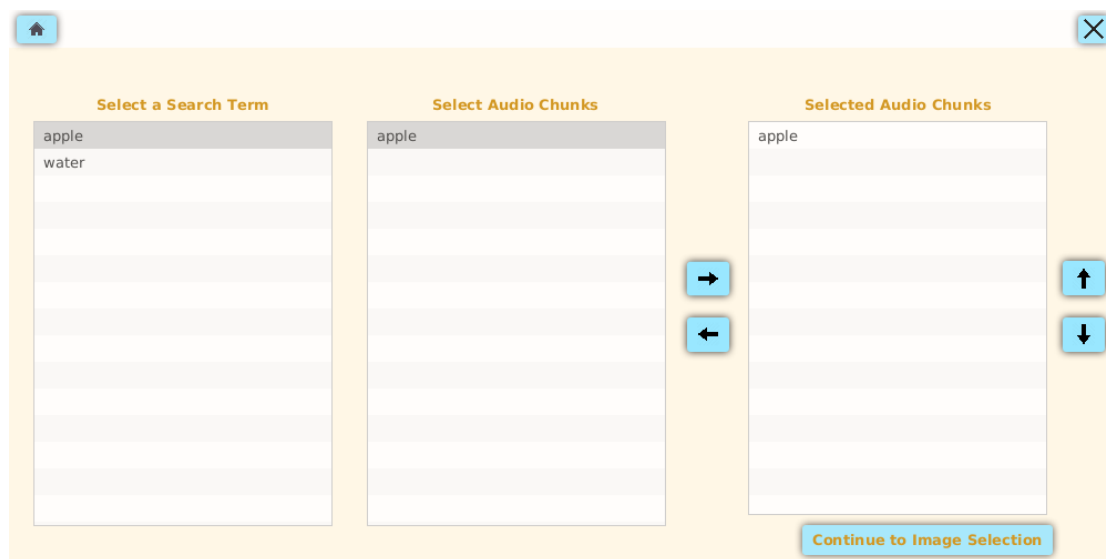

Figure 7: Enter a file name

Create creation

Audio selection

Figure 8: Audio Selection Pane

- In the left-hand side, it will list all searched terms that the user has searched in the audio creation part.

- Once the user selects one search term, it then displays the audio chunks associated with the searched term at the middle.

- The user can press ➡ to add the audio chunk to be included in the final creation and press ⬅ to remove the audio chunk. Besides, it allows the user to change the order of audio chunks by pressing ⬆ (shift upwards) or ⬇ (shift downwards).

- Click the "Continue to image Selection" will lead the user to the image selection part.

Image selection
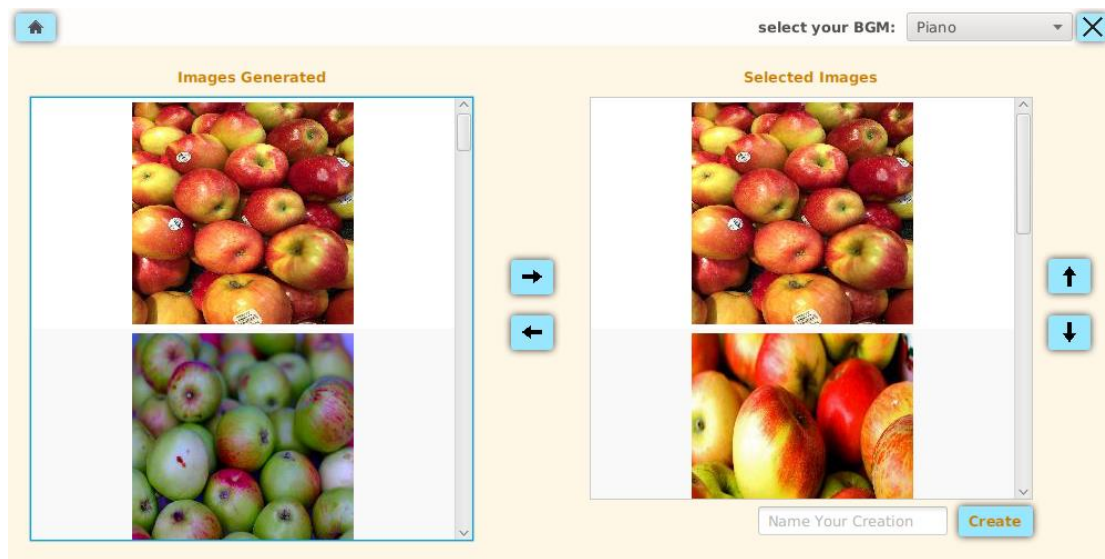
Figure 9: Image selection Pane

- On the left side, it will display images downloaded from Flickr.
- The user can press ➡ to add the image to be included in the final creation and press ⬅ to remove the image. Besides, it allows the user to change the order of images by pressing ⬆ (shift upwards) or ⬇ (shift downwards).

Background music selection
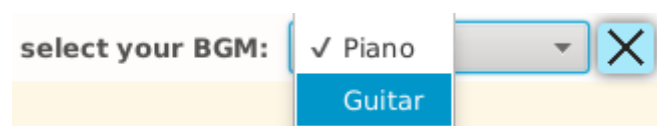
Figure 10: Background Music Selection box

- On the top right corner, the user can select a background music for their creations.

Finally, add a name for the creation and press "Create" button to create a creation.

View creation
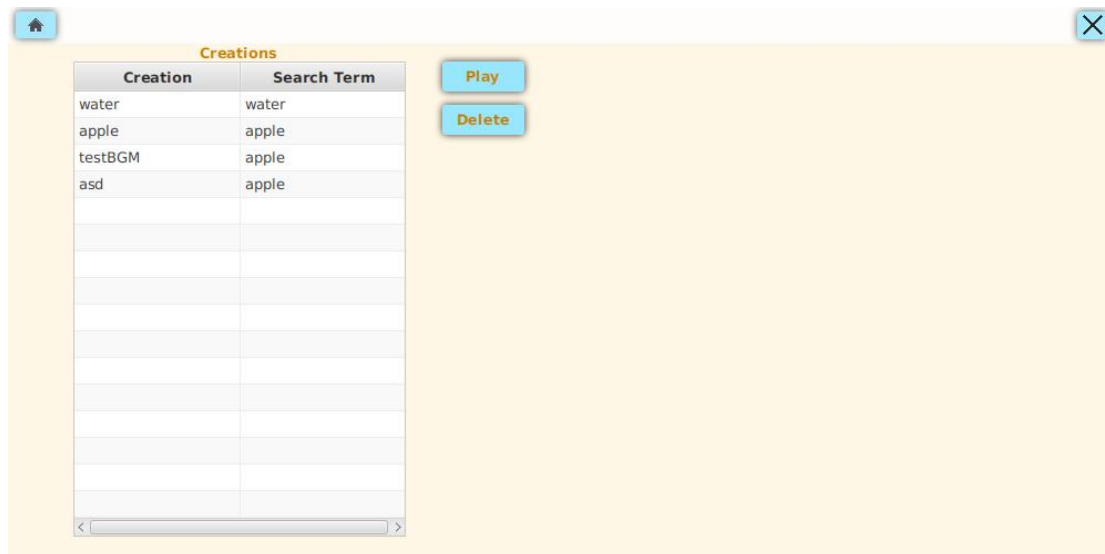
Figure 11: View Creation Pane

On the left side, it will list 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.

When playing the creation:

Figure 12: Play Creation

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

View audio chunk
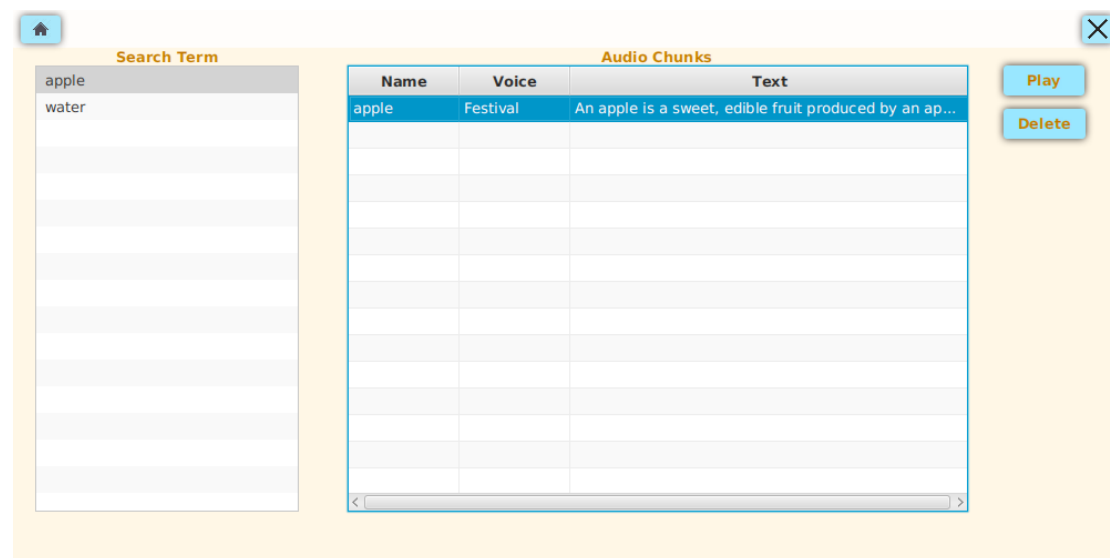
Figure 13: View Audio Chunk Pane

On the left side, it will list all search terms that the user has searched in the audio creation part.

The user selects one search term, and then all audio chunks that related to it will be displayed with their names, voices and text.

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

This app offers users to assess themselves by taking quizzes.

1. Select the number of questions on the top right corner.(based on the number of audio chunk)
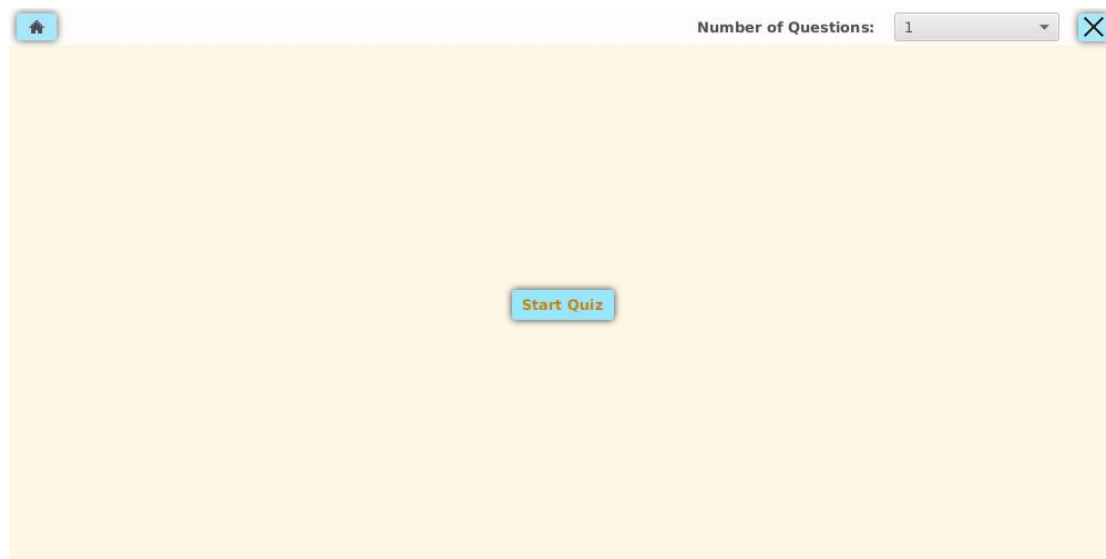2. Press "Start Quiz".

Figure 15: Do Quiz Pane
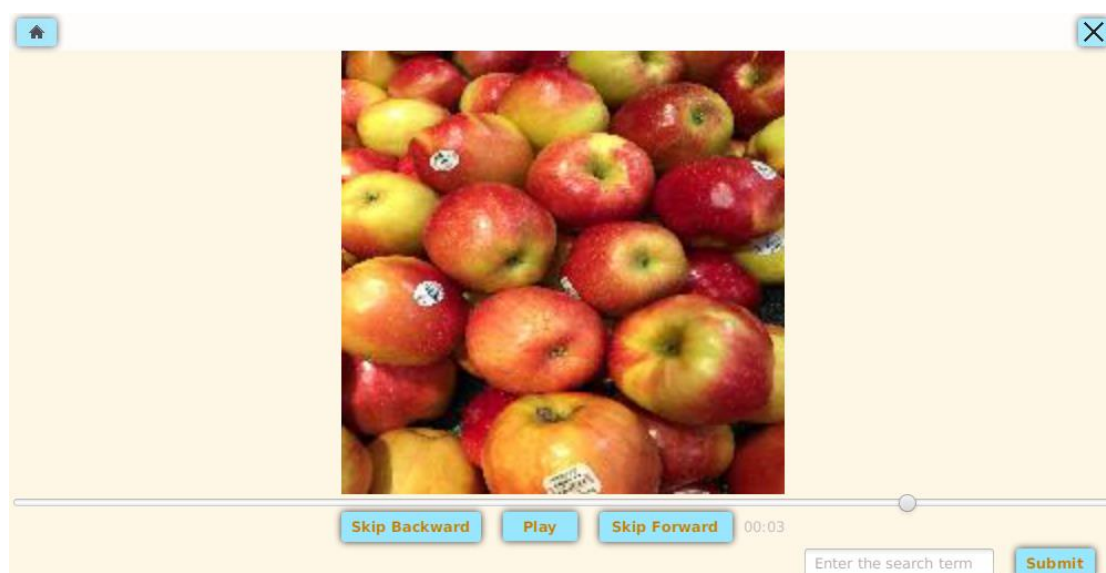
Then it will start playing a creation with picture and audio only for the user.

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

Ae the end, the user is required to fill the answer (search term) and submit.

Correct Answer	Your Answer	Result	
apple	apple	Correct	

Total Correct: 1/1

Home

Another Quiz

Figure 16: Result Pane

Once the user has provided the answer, they 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 [home] buttons are home button that will let the user return to the main menu
- All [X] buttons are quit button that will leave this application.