

VARPEDIA – USER MANUAL

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GitHub Repository: https://github.com/kcho9906/SOFTENG206_a04

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FIRST TIME LAUNCH

Thank you for choosing VARpedia as your choice of language learning tool. Before you launch, please be aware that this is only compatible with Unix/Linux operating systems and also requires the flickr4java API to function correctly.

Java 8 and JavaFX is required to run this program.

Furthermore, you will need to have the bash commands to run this application correctly:

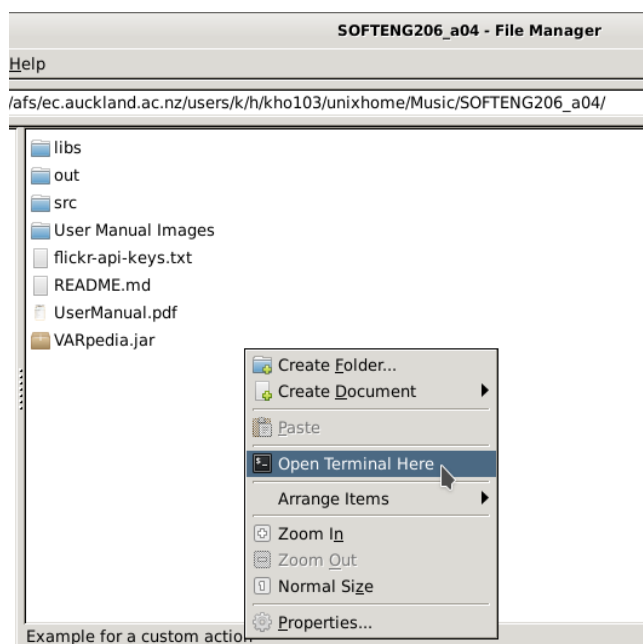
- wikit
- espeak
- ffmpeg
- ffplay
- ffprobe
- mp3info
- lame
- soxi
- xdg-open

If any of these command is not installed, simply type in the following command into the terminal:

```
sudo apt install [bash command]
```

Replace [bash command] with any of the stated commands to install.

To run this program, simply open the terminal in folder that contains 'VARpedia.jar'.



Upon opening the terminal, entering the command will begin the application:

```
java -jar VARpedia.jar
```

MAIN MENU



Figure 1 : Main Menu Scene

On opening of the application (VARpedia), you will see the Main Menu. From the Main Menu you can either create a creation or view existing creations by clicking on the respective buttons.

To create a creation

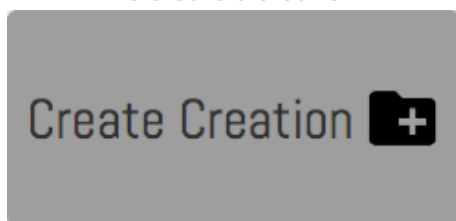


Figure 1.1: Create a creation button

To view a creation

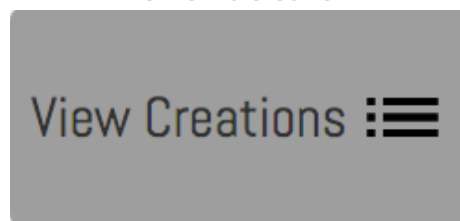


Figure 1.2: View creations button

CREATE A CREATION

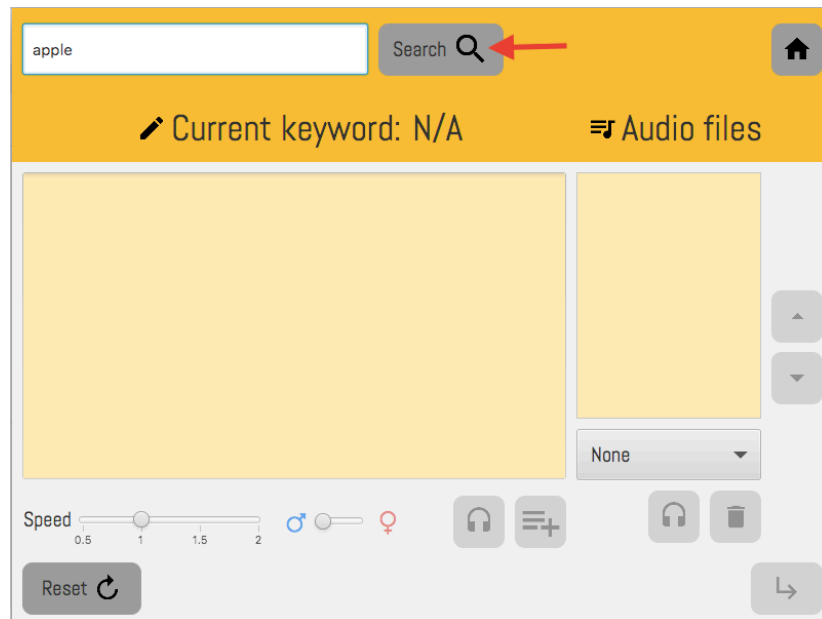


Figure 2.1: Create a creation scene

Changing to the create a creation scene, the user can enter in an English word into the search bar at the top. Once they have the term they want, they can push the search button. The search button will find information of the topic and show the result in the text area below.

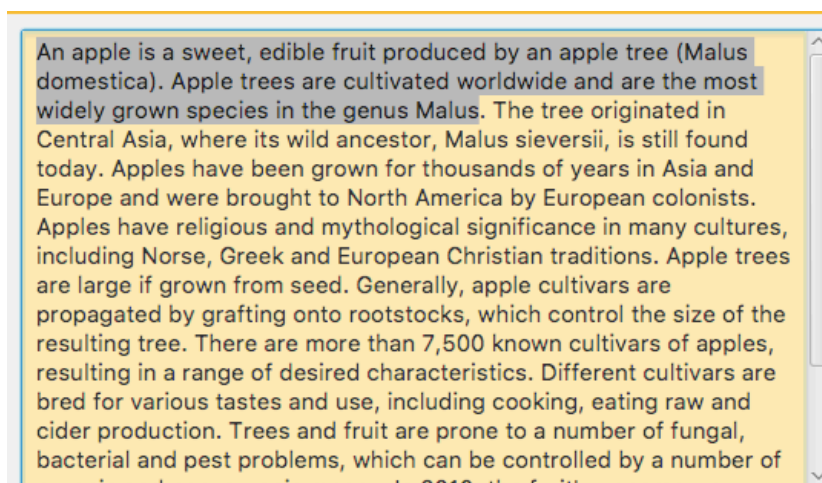


Figure 2.2: Search result and highlighted text

Adding Audio Files

After selecting a chunk of text (below 30 words), the user can adjust the speed and change the type of speaker between male and female. Once settings have been changed, the user can choose to preview the text, or save the audio file. If the user saves the audio file, it appears in the audio file list (Figure 2.6)

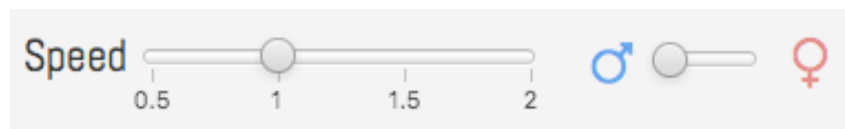


Figure 2.3: speech modifiers (speed and gender)



Figure 2.4 Preview Audio Button



Figure 2.5: Add Audio to List Button

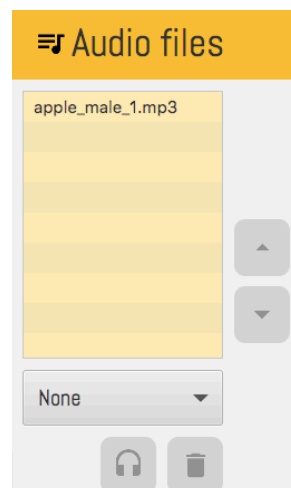


Figure 2.6: Audio file list

Using Audio Files

The user can choose to play or remove an existing audio file. To do this, the user must select an audio file and has the option to:



Figure 2.7:
Play existing audio



Figure 2.8:
Move audio up



Figure 2.9:
Move audio down



Figure 2.10:
Delete existing audio

Adding Background Music

The user can then add background music to the creation by clicking on the drop-down bar below the audio files list. The user has an option between Guitar, Orchestral, or Piano. This will add the music to the creation.

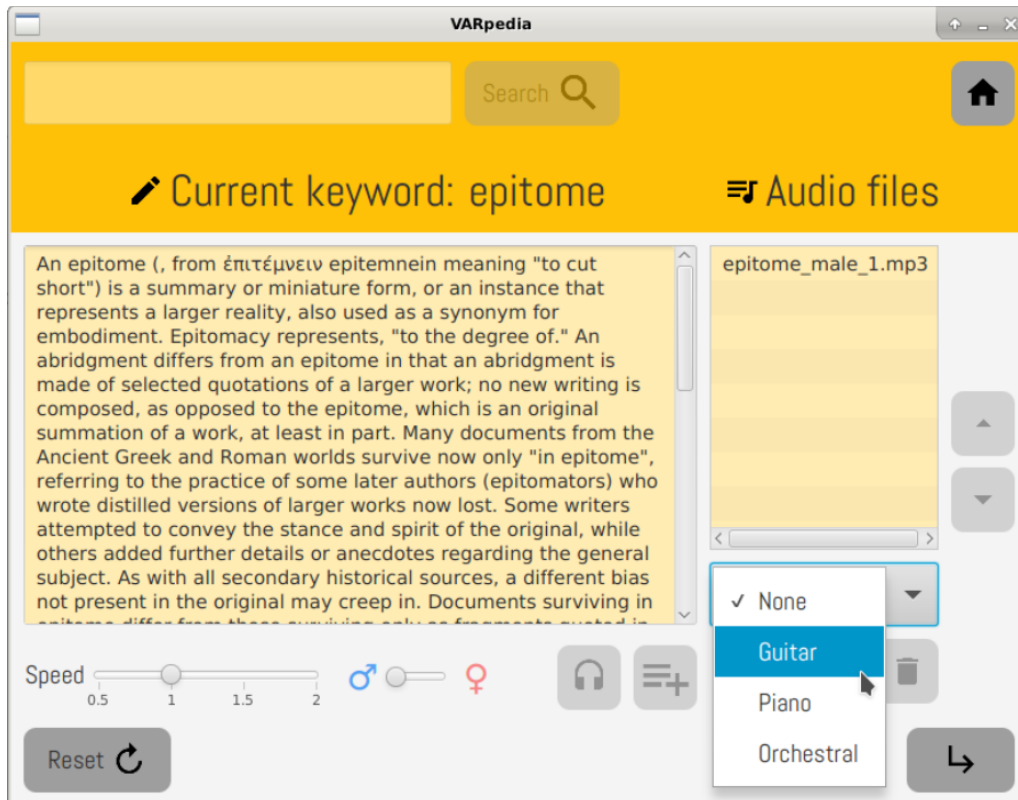


Figure 2.11: Adding background music

Selecting Images for Creation

In this scene, twelve images are generated, and the user has the option to choose up to 10 images.

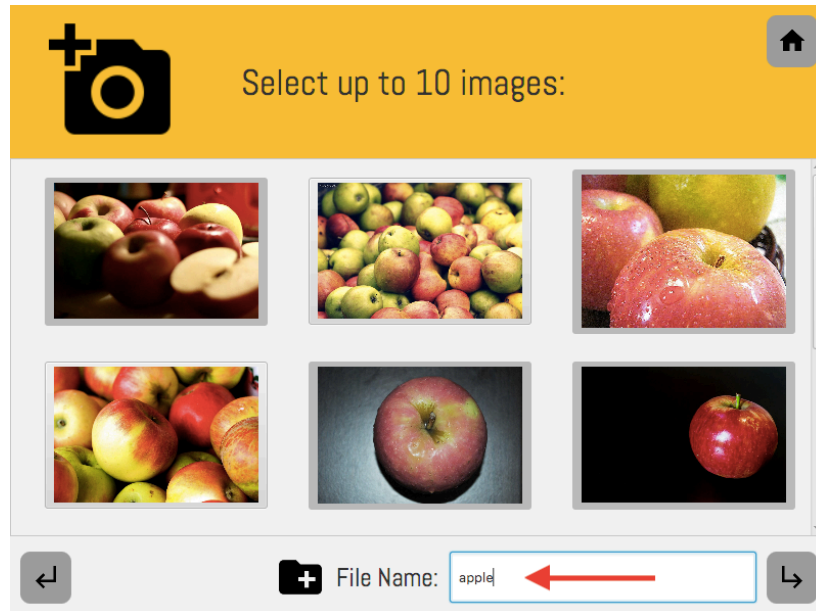


Figure 2.12: Image selection scene

Once the user is satisfied with the images, they enter a name for the creation which they can refer back to in the future. Then press the next arrow which will create the creation.

After creating the creation, the user can choose to return to main menu or play the creation (see Playing Creations section).

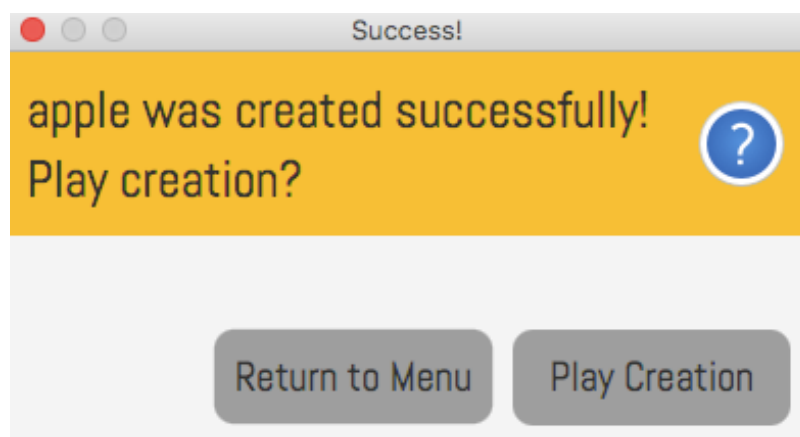


Figure 2.13: Play creation or return to menu

VIEWING A CREATION



Figure 3.1: View creation scene

In the creation scene, the user can select an existing creation and either play or delete the creation:

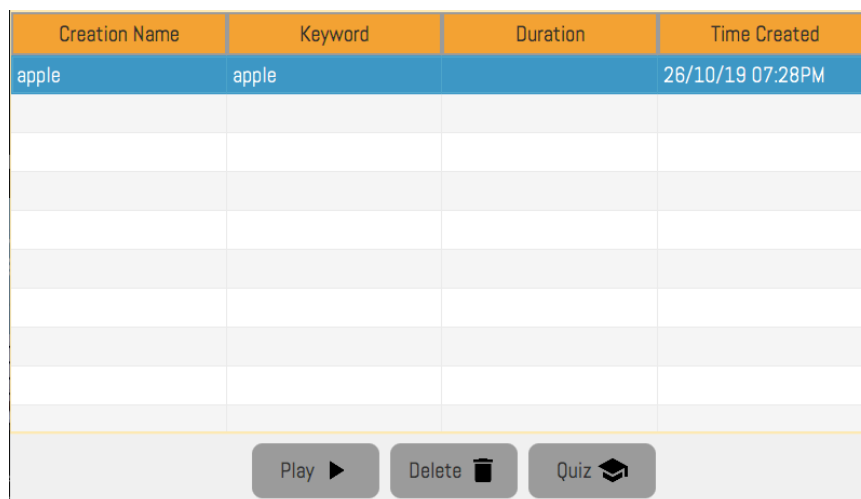


Figure 3.2: Selected creation

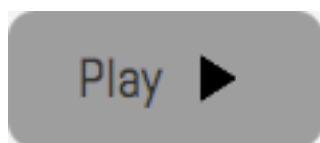


Figure 3.3: Play creation button

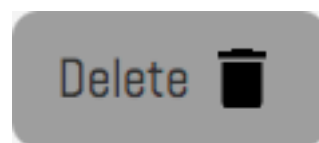


Figure 3.4: Delete creation button

PLAYING CREATIONS

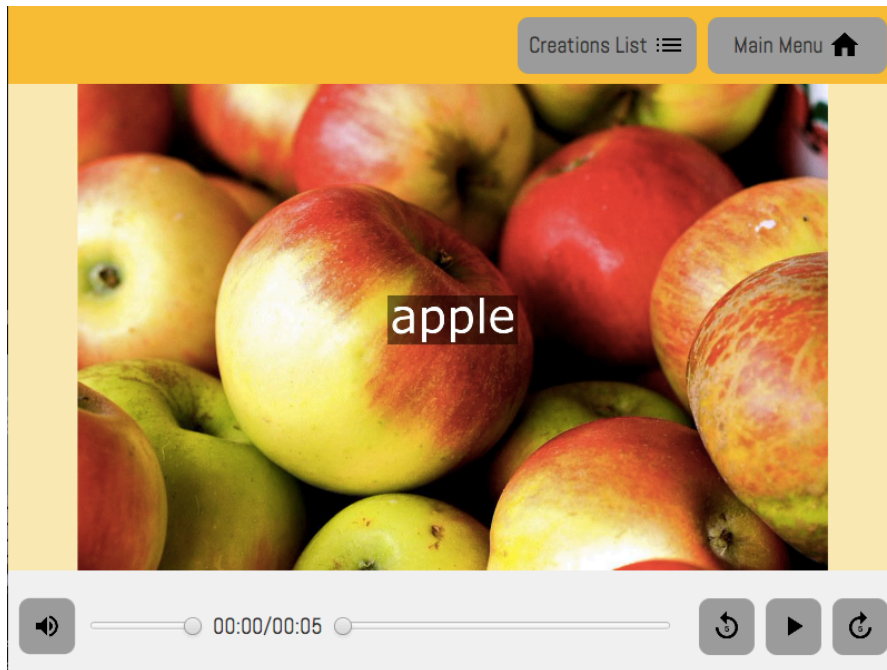


Figure 4.1: Playing the creation

Once the user has navigated to the media player to play the creation, the user can mute, play/pause, or rewind/fast-forward and by 5 seconds.



Figure 4.2:
Mute button



Figure 4.3:
Rewind button



Figure 4.4:
Fast forward button



Figure 4.5:
Play button

When the user is finished viewing the creation, the user can replay the creation or return to the creations list/main menu.

QUIZ

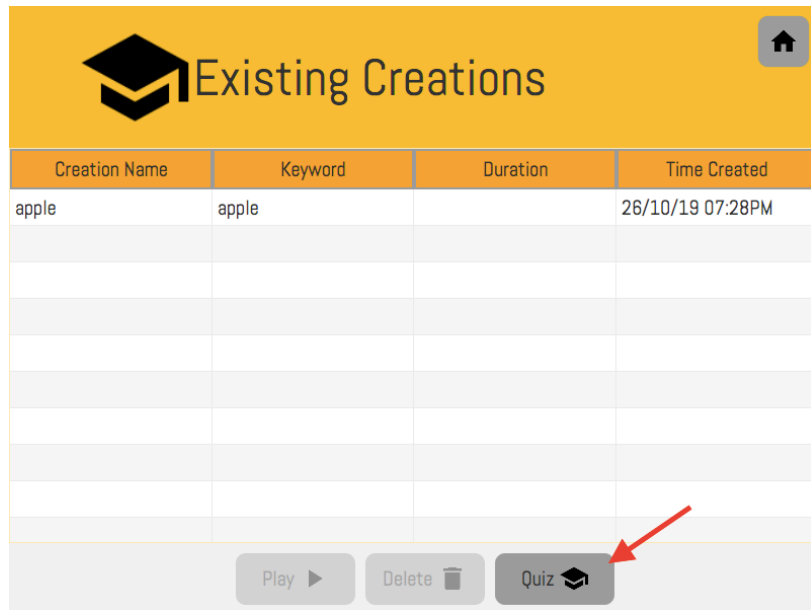


Figure 5.1: Quiz scene

To test the user, they can click on the quiz button and it will navigate them to the quiz scene. In the quiz, the user must type the answer to what they think the creation's search term is in the text box and can check the answer, then move onto the next question.

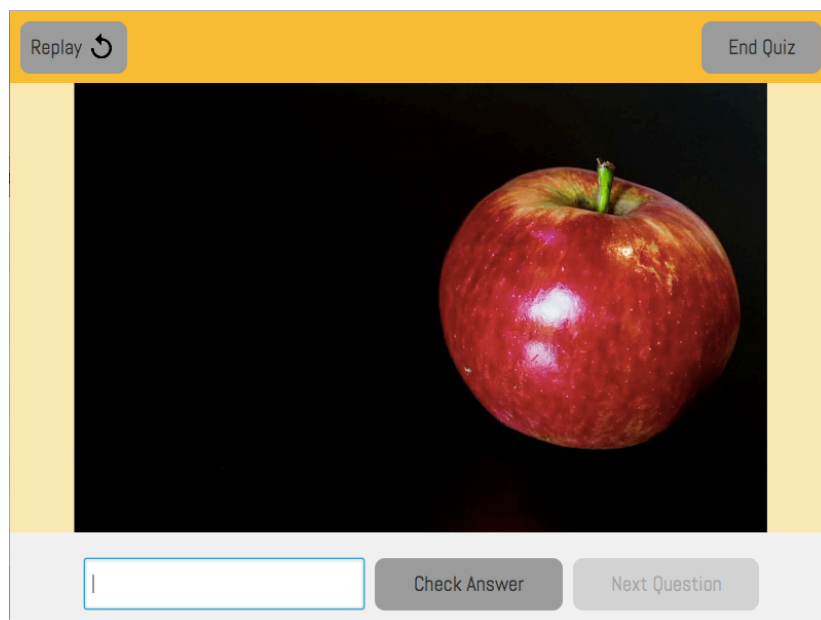
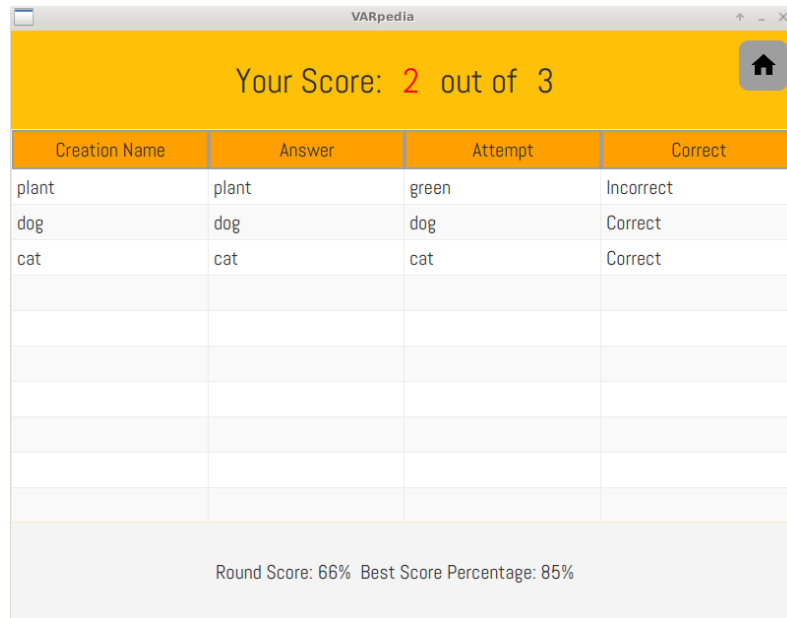


Figure 5.2: Quiz testing scene

The user can choose to replay the video upon the end of the video playback by clicking the Replay Button, or alternatively select End Quiz to terminate the quiz.

QUIZ RESULTS

Upon completing the quiz, the user will be directed to a results screen which displays all the questions asked during the quiz. This screen displays the score of the current quiz session, as well as the high-score of the applications (current session). Once the user has finished reviewing their answers, the user can return to main menu.



Creation Name	Answer	Attempt	Correct
plant	plant	green	Incorrect
dog	dog	dog	Correct
cat	cat	cat	Correct
Round Score: 66% Best Score Percentage: 85%			

Figure 6.1: Results Scene