VARpedia

USER MANUAL

GROUP 39 | SOFTENG 206

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First Time Launch

Thank you for using our learning tool!

Please be aware that our program is only compatible with Linux/Ubuntu operating systems and requires flickr4java API.

The following command line tools must also be installed to run this program correctly:

- wikit
- ffmpeg
- ffplay
- soxi
- festival
- espeak

Main Menu

On startup, you will be greeted with the Main menu.

Figure 1: Main Menu

On the right, there are 4 options to choose from to help you navigate through the learning tool.

- [New Creation] is where the user can search for a term and create a creation
- [Review] allows the user to review creations that they have made
- [Help] brings the user to this user manual
- [Credits] shows the credits for the resources used in this learning tool

RECOMMENDATION

On the bottom left, there is a box showing the current recommendation of which creation the user should review. The recommendation is based on the creation with the lowest confidence rating, or the creation with oldest view time. The creation the user wants to review can be decided by using the slider in the bottom center of the box. The play button on the right will play the displayed creation title.

New Creation

When [New Creation] is clicked from the main menu, the user is taken to a new scene to create a creation.
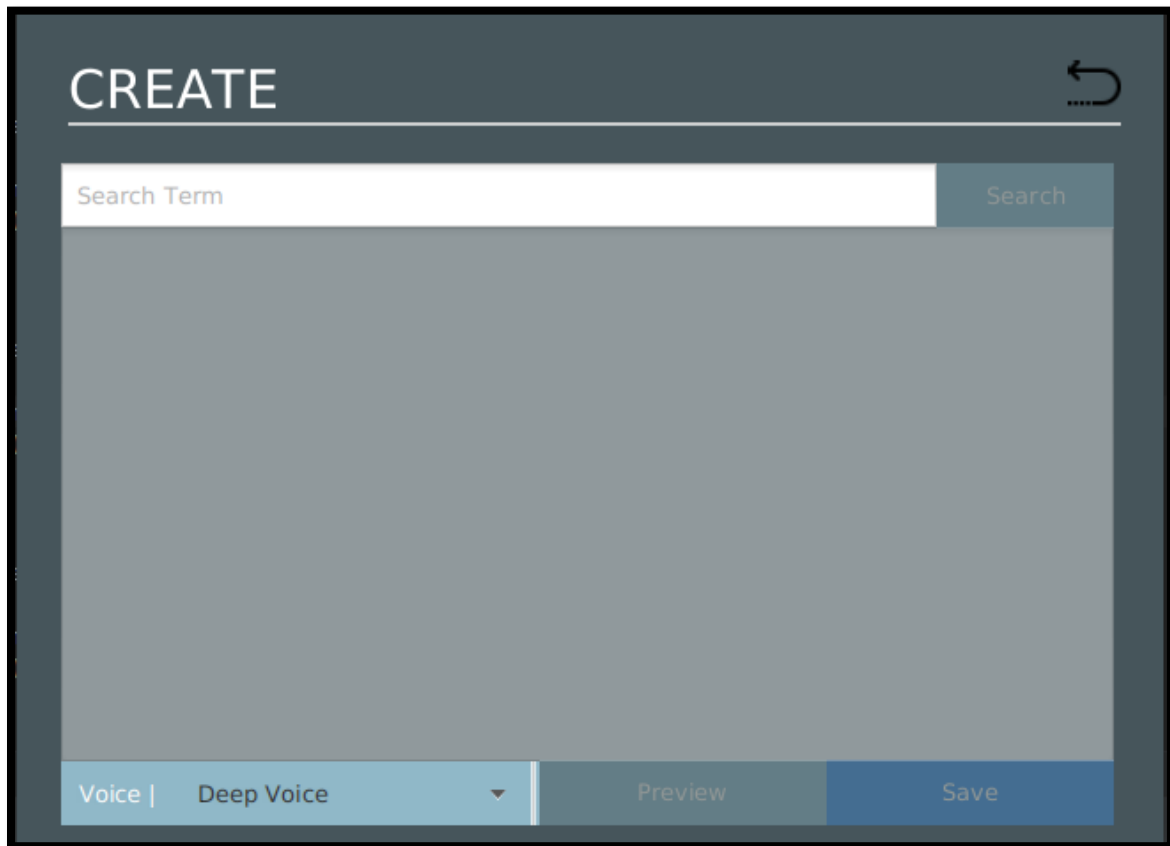

Figure 2: Initial Creation Scene

From here, the user is able to type in a term they would like to search. Once text is typed in the search field, the search button is enabled. The user can search by either clicking the [Search] button, or by pressing the *ENTER* key.
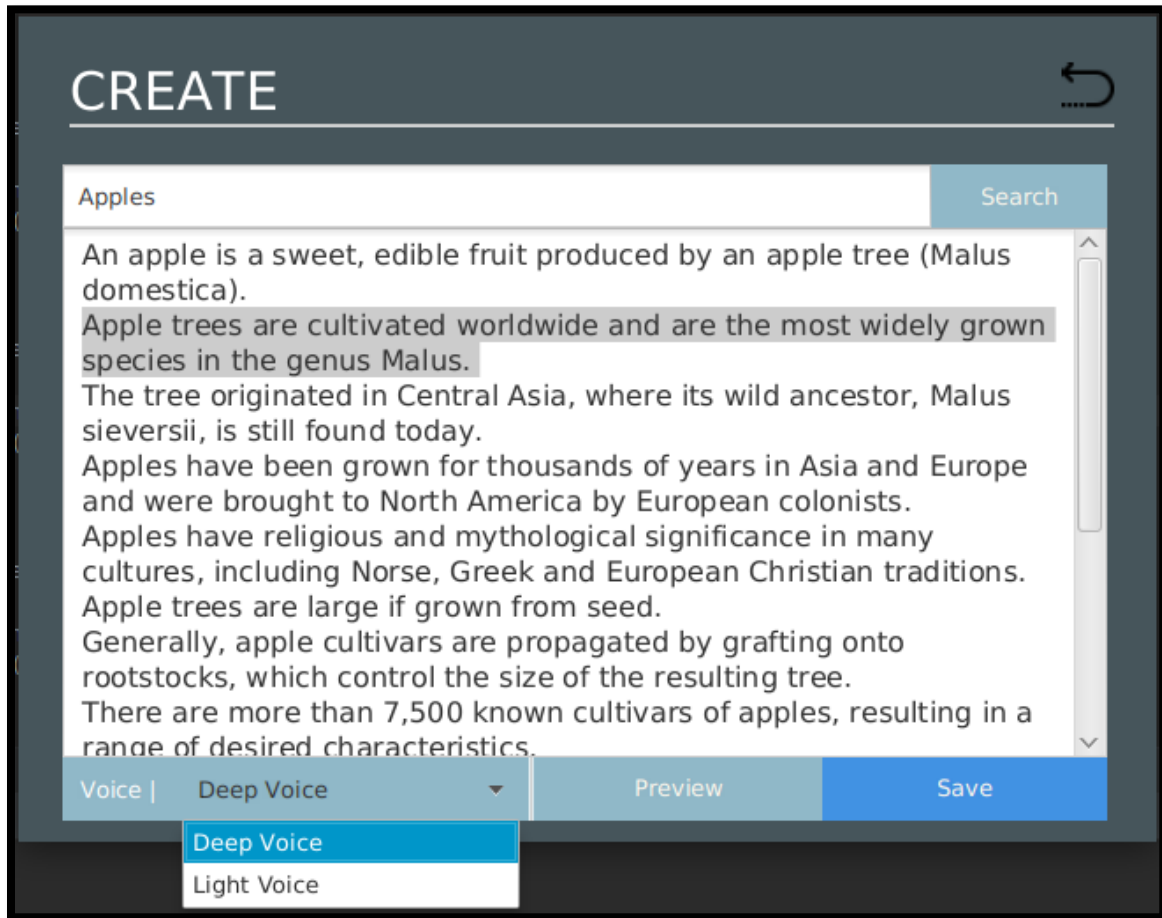
Figure 3: Create Process after search

After the term is searched, the search result will appear below. The search result is broken into sentences for easy reading and is completely editable by the user. In order to save or preview an audio snippet:

- The text the user wants to save must be highlighted. The highlighted text cannot exceed 40 words.
- A drop-down box shows 2 voices the user can choose from. One of them must be selected.

Clicking [Preview] will play the highlighted text with the selected voice. The preview can be stopped at any time. After the preview has finished or stopped, the user can continue to save the highlighted text, edit the text or highlight a different set of words.

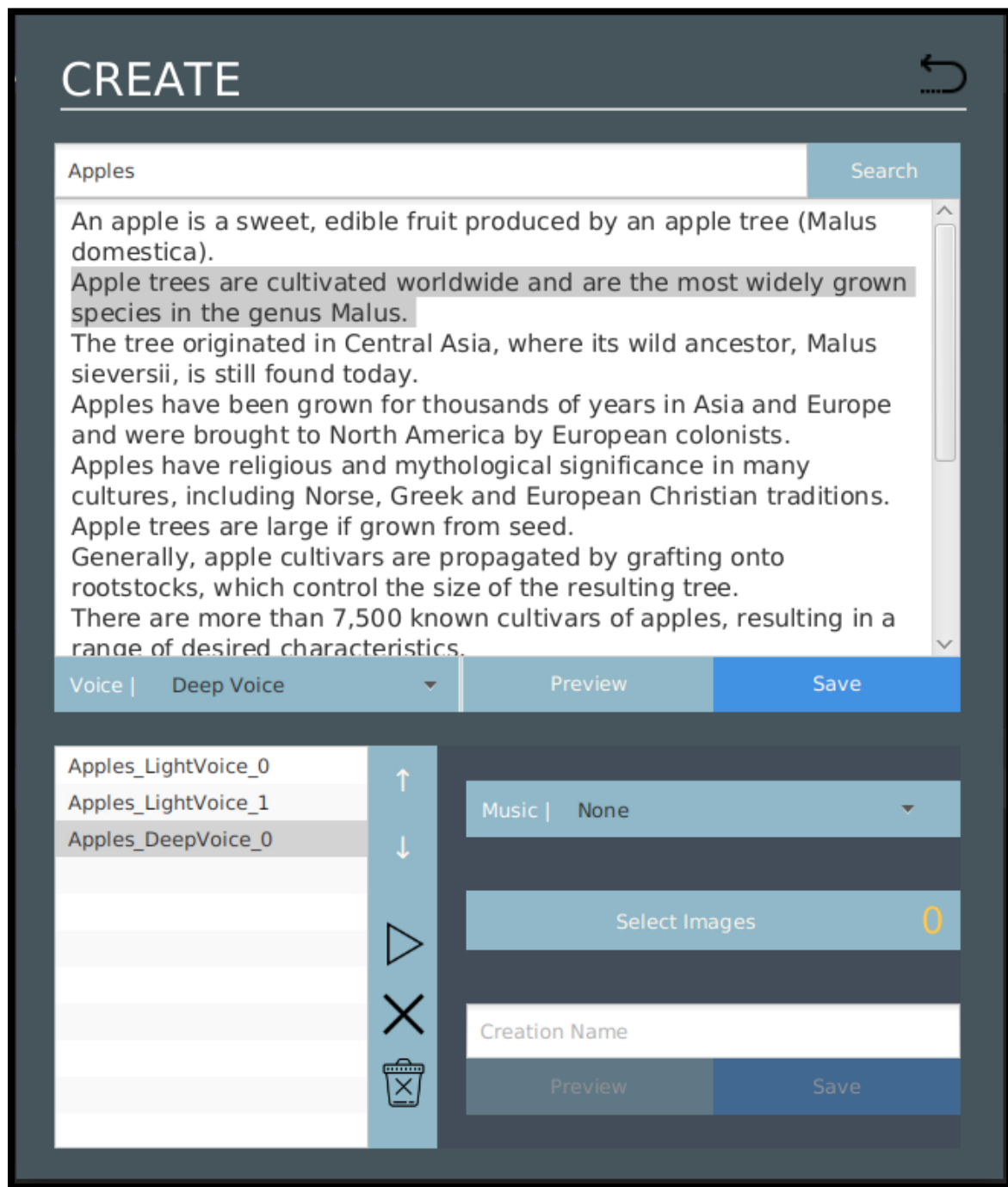Clicking [Save] will save the highlighted text as audio to include in the final creation.

Figure 4: Create Process Expanded

After clicking the [Save] button, the window will expand for the user to continue the creation process. On the bottom left section is a list of audio files the user has generated. A single audio file can be selected and moved up and down using the arrow buttons to change the ordering of the final audio clip.

Next to the list are 3 icons:

- The play button allows the user to listen back to the selected audio clip
- The cross button allows the user to delete the selected audio clip
- The garbage button allows the user to delete all the audio clips

On the bottom right section allows for music and image selection. Music can be chosen clicking the drop-down box, similar to selecting the voice.

SELECTING IMAGES

Clicking [Select Images] will show a pop-up window:

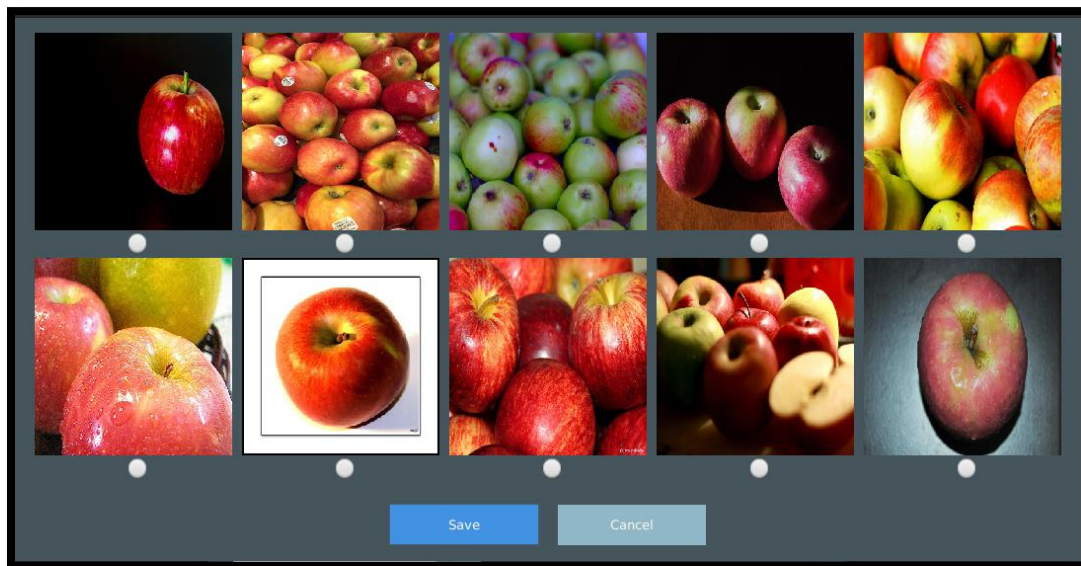*Figure 5: Image Selection*

To select the images, the user can click on the images that they want. After at least one image is selected clicking the [Save] button will close the pop up and save the images for the creation. Else, the user can click the [Cancel] button to cancel the process.

After selecting the music and images, the user can optionally preview the creation by clicking the [Preview] button.

SAVING CREATION

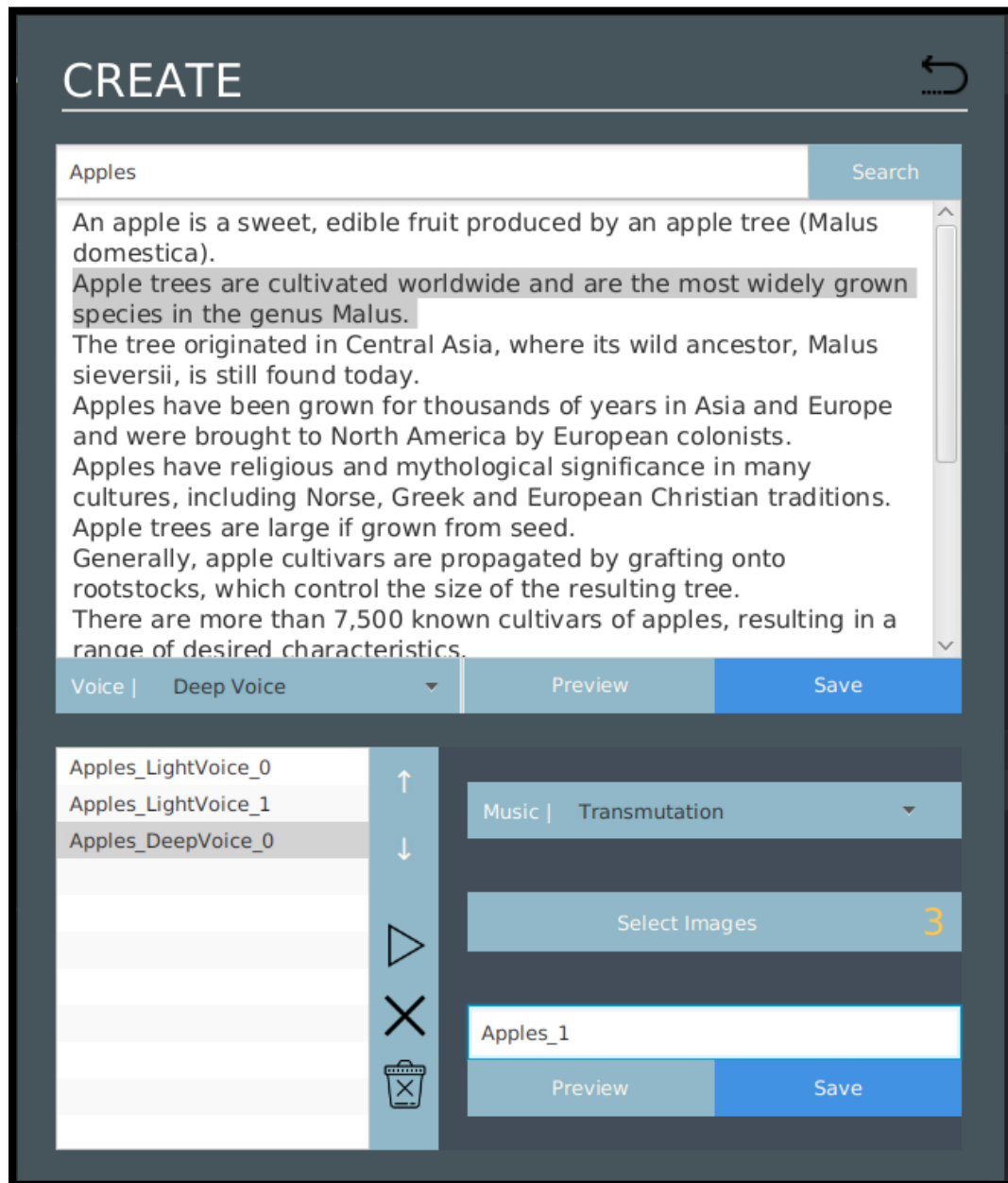*Figure 6: Filled Creation Process*

The final creation process will look something like the figure above. After viewing the preview, a creation name must be filled. Note special characters and spaces are not allowed in the naming of a creation. After a valid creation name has been typed, clicking the save button will save the creation and a pop up will show indicating the creation has been successfully made.

Review

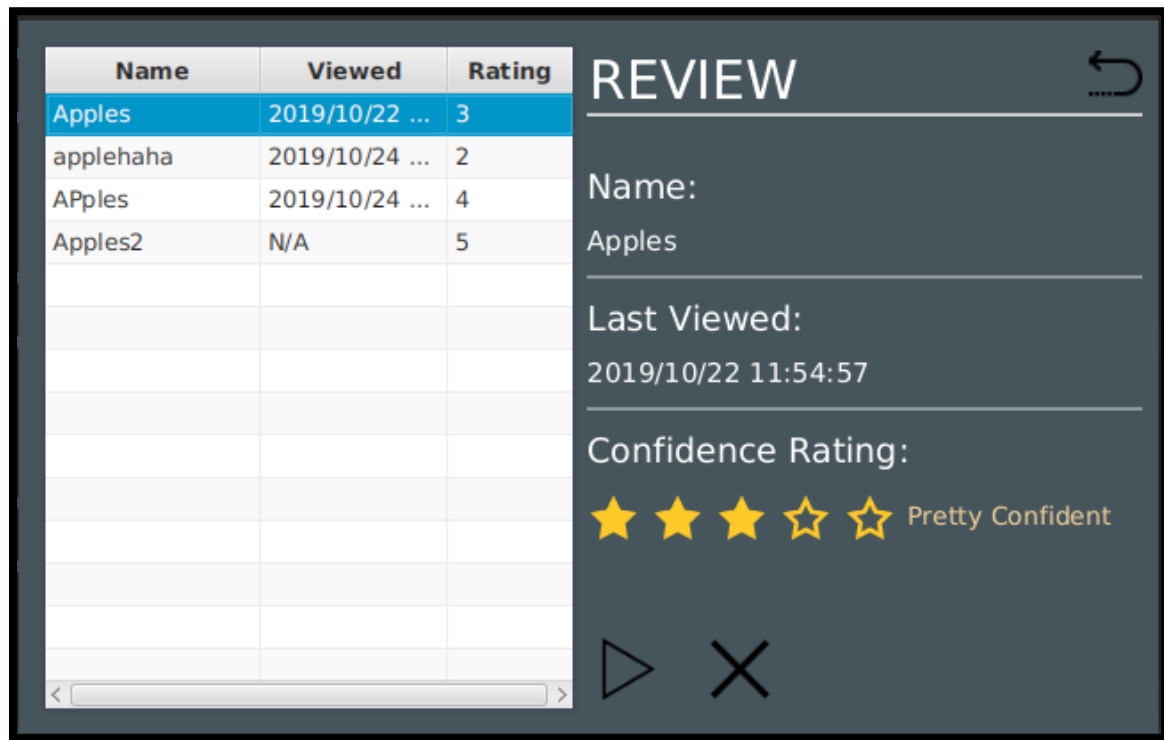From the main menu, clicking the [Review] button will take you to the following scene:

Figure 7: Review Scene

Here, any creation that has been made in the past can be viewed or deleted. After a clicking on a creation, the following details will be printed out:

- Name – the name the user entered at the time of saving the creation.
- Last Viewed – the date and time when the creation was last viewed.
- Confidence Rating – the user is able to give each creation a rating on how confident they are with the term.

CONFIDENCE RATING

The user is encouraged to rate each creation on how confident they are. Giving a creation 1 star means the user is not confident with the term and giving 5 stars means the user is very confident with the term.

REVIEW LIST

In the list show to the left, there is the option to sort the existing creations by name, confidence rating and view time by clicking on the top tabs (highlighted in red).

Figure 8: Review List

PLAYING CREATIONS

Clicking the play button will switch scenes for the highlighted creation to be viewed.

Figure 9: Media Viewer

There are a few playback features in the media playback. The bottom left slider allows for volume adjustment. The middle slider allows for users to skip to a specific time of the video. The pause button pauses the video. The play button resumes the video or replays the video when done playing.