



# VOXSPELL USER MANUAL

By: Will Molloy





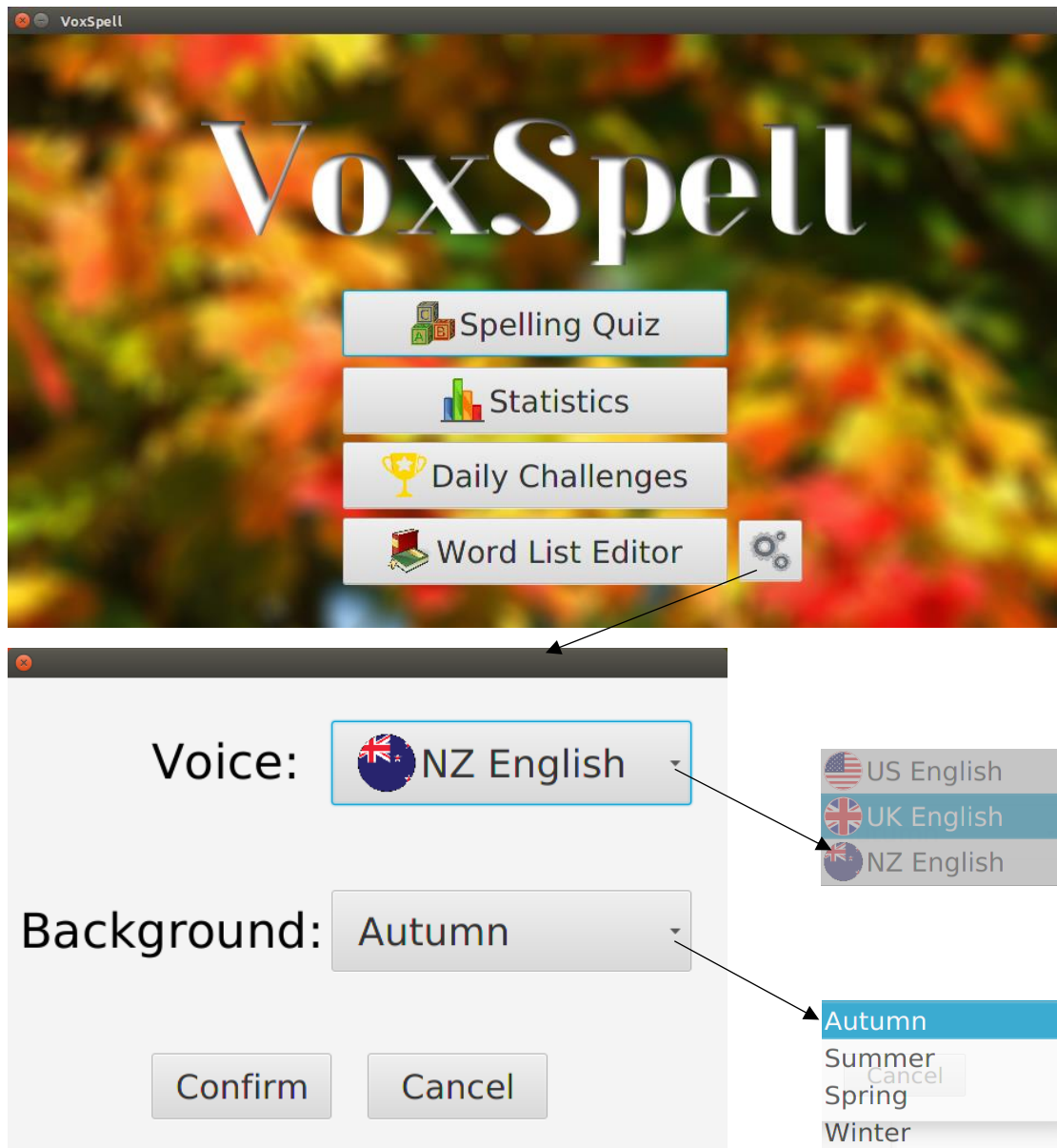
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## The Main Menu

Upon starting VoxSpell you will be greeted by the Main Menu, where you will be able to select from four different options.

You also have a fifth option to change settings; where you can select, the voice used within the Spelling Quiz and the Main Menu's background.

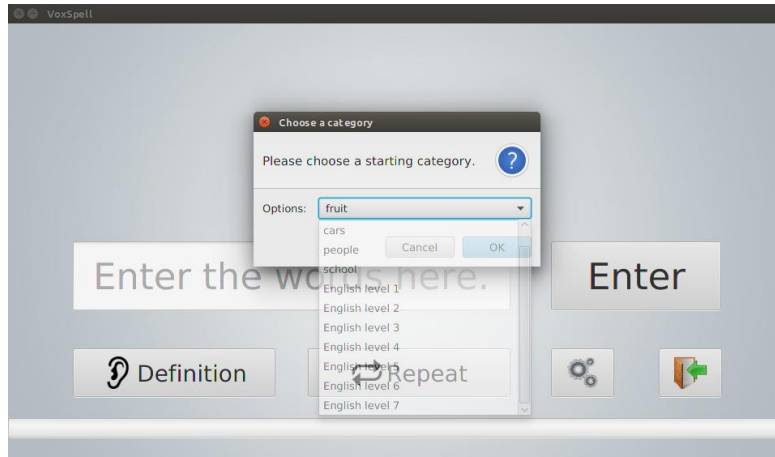


Try out the different backgrounds and voices to see which one you like best!

## Spelling Quiz

On selection of the Spelling Quiz option you will be prompted on selection of the initial category/word list; provided you have word lists loaded into the program.

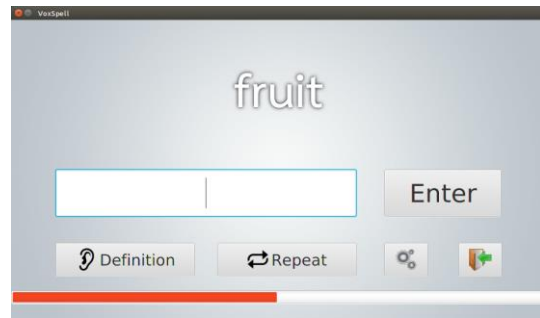
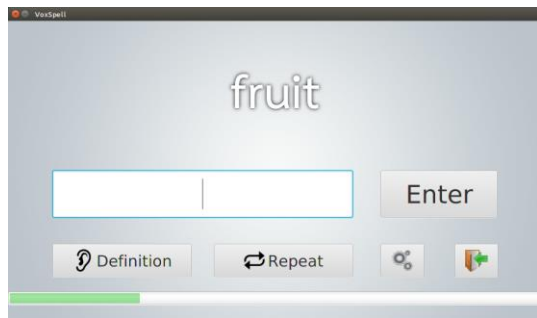
Quizzes range in size from 1-10 words depending on how many words the selected category contains. If you don't have any lists; create some in the word list editor.



Once you have selected a category the quiz begins! You will hear words to spell and will have one attempt at each. You need to spell words with correct grammar and case to get them correct.

If you get a word correct you will hear 'correct' and the progress bar will turn green.

While, if you get a word incorrect the progress bar will turn red.



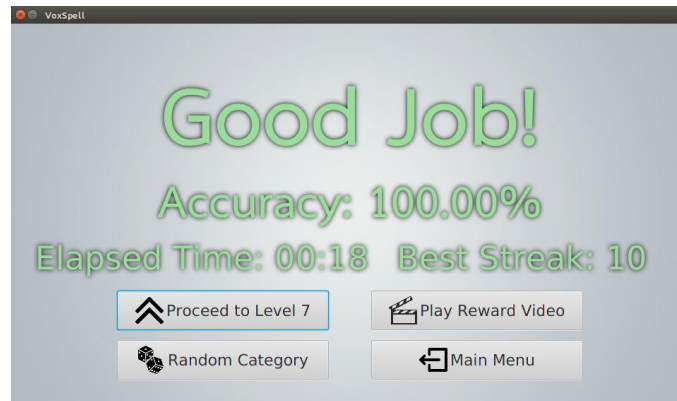
From the quiz screen, you also have a few extra options:

- **Definition:** Plays the definition of a word if the chosen word is too vague.
- **Repeat:** Repeats the word in a slower voice so you can hear it again.
- **Settings:** Loads the same settings view from the main menu; so, you can change the voice in the middle of a quiz.
- **Back:** Aborts the spelling quiz and returns to the main menu.

## Report Cards

On completing the spelling quiz one of two report cards will be shown.

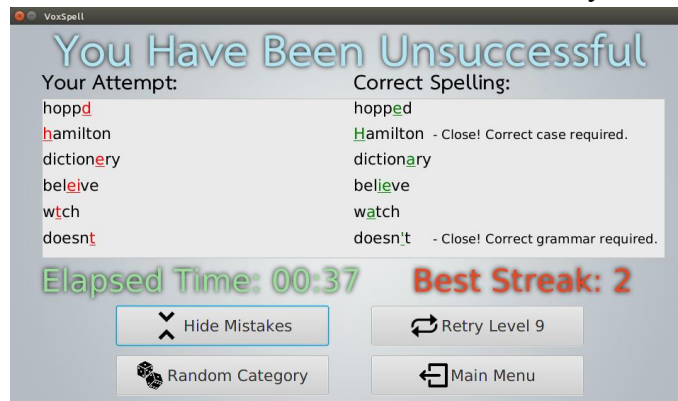
If you get at least 80% of the words correct within the quiz you will have passed the quiz and will be taken to the Passed Quiz Report Card, Congratulations!



Here you will have a few options:

- **Proceed:** Proceed to the next category, assuming you have ordered lists by difficulty this may be useful if you want to know when to move up to the next level.
- **Play reward video:** You have unlocked the reward video by passing the quiz. Give it a try!
- **Random category:** A new spelling quiz with a random category chosen.

If you are unsuccessful and don't achieve 80% words correct you will be taken to this screen:



Here you will be able to review your mistakes (if you want to) to see where you went wrong. You will also be given the option to retry the same category.

In addition to the above features you will also be shown your accuracy, time and best streak. These will be coloured green/orange/red depending on how well you did.

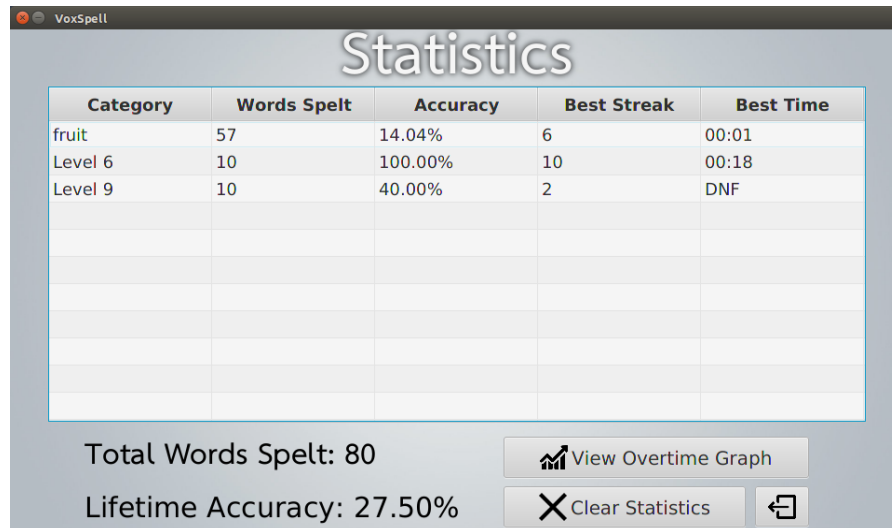
Accuracy: 90% or greater: green, 50% or greater: orange, otherwise: red.  
 Elapsed time: 5 seconds per word: green, 8 seconds per word: orange, otherwise red.  
 Streak: 80% of quiz size: green, 60% of quiz size: orange, otherwise red.

## Statistics

From the main menu, you may select to view your statistics.

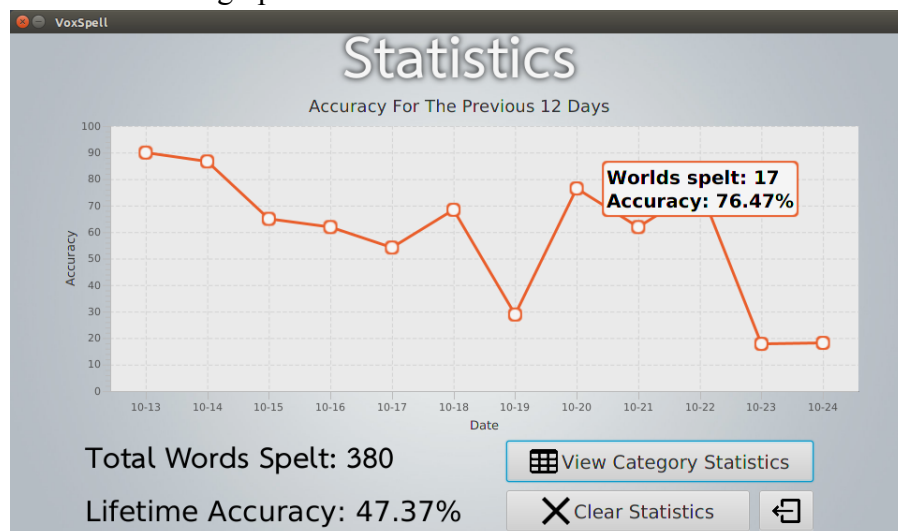
The statistics mode is made up of two scenes which you can easily toggle.

Firstly, category statistics:



Here you will be able to view your total words spelt, accuracy, best streak and best time for each category. Do note that you will need to successfully pass a quiz (minimum of 80% words correct) to improve your times.

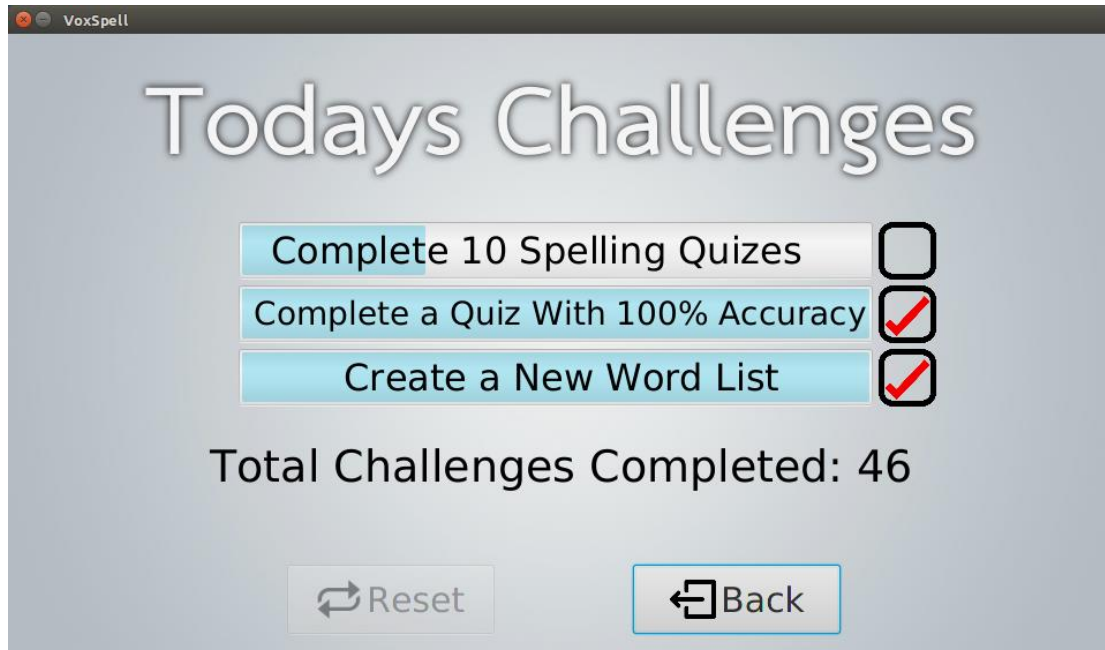
Second is the overtime graph:



Here you will be able to see your progress over the past 12 days. For more detail into a particular day, you may hover your mouse over a point on the graph.

In addition to these two scenes you will be able to view your total words spelt, lifetime accuracy and have the option to clear statistics.

## Daily Challenges

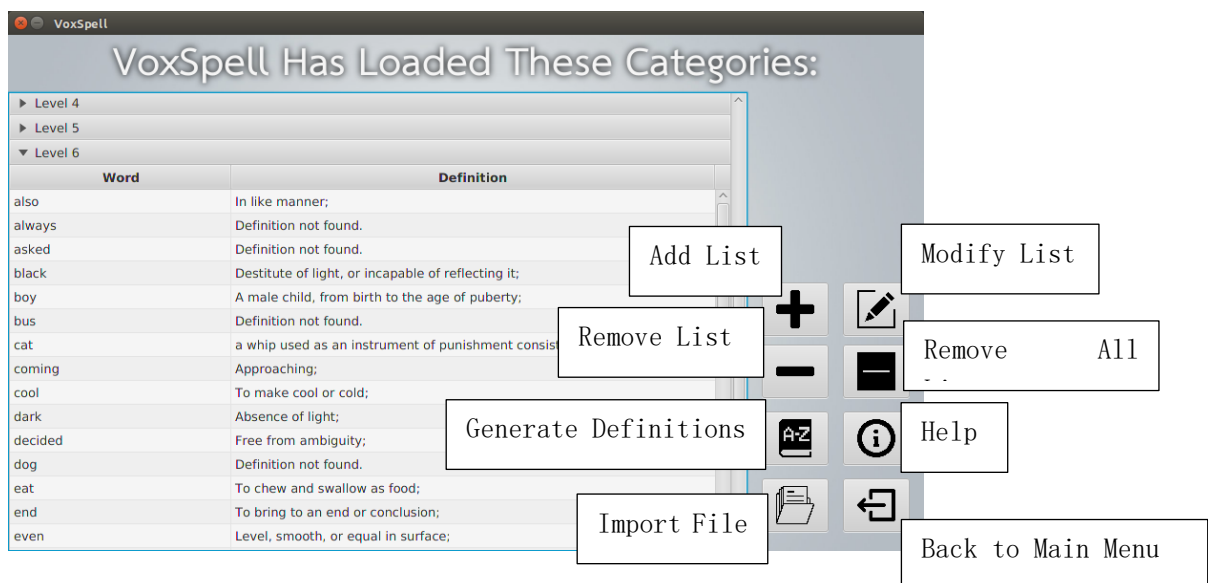


From the main menu, you can view your daily challenge progress. These will reset daily; however, you may reset them early if you complete all three.

To complete a challenge simply do what is required and watch your total challenges ramp up!

## The Word List Editor

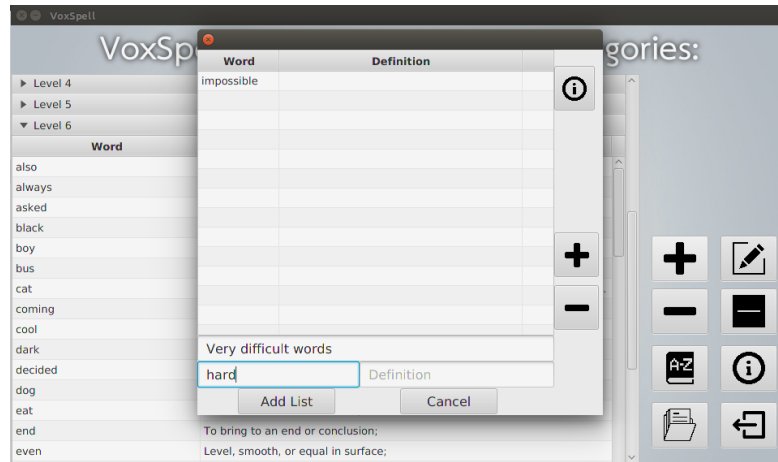
The last option on the main menu is the word list editor, here you may create, modify, remove and import word lists. You may also generate definitions for all the words VoxSpell has loaded provided you have sdcv installed on your system.





## Adding/Modifying word lists:

When clicking the add list button or modifying an existing list you will be shown this popup scene:



Here you will be able to create your own list by adding in words and optionally their definitions.

To quickly add in words simply press the enter key after completing the category field, you will then be taken to the word field, again press enter and you will be taken to the definition field, press enter again and the word will be saved and you will be taken back to the word field. This way you don't need to use your mouse to quickly create lists.

Once you have created your list press the add list button and you're done!

Optionally you can generate definitions for your words by clicking the Dictionary Icon provided you have installed sdcv on your system. This may take a few moments but will improve the overall experience of VoxSpell.

## Importing a File

If you want to import an existing wordlist you may do so by pressing the file button.

It is important that the file follows the following format:

- Categories beginning on a new line with a '%' suffix.
- On subsequent lines, words followed by a tab followed by their definition.

An example:

```
%fruit
apple    the round fruit of a tree of the rose family
%cars
ford     an American multinational automaker
```

## Acknowledgements

1. VoxSpell was created using Java and in particular the JavaFX framework:  
<http://docs.oracle.com/javase/8/javase-clienttechnologies.htm>
2. Text to speech is achieved by Festival:  
<http://www.cstr.ed.ac.uk/projects/festival/>
3. Definition lookup for words is done by sdcv: <http://dushistov.github.io/sdcv/>
4. Images and icons used are open source and available for commercial use without the need for attribution. They were sourced from the following sites:

<https://pixabay.com/>

<http://www.flaticon.com/>

<http://www.freeimages.com/>

A few images were modified to fit into the program.

5. The main menu font was sourced from:  
<http://www.1001freefonts.com/oktober-font.html>
6. The reward video 'Big Buck Bunny' was included with vlc.