

Words

JWords

GiLoWordsUtils

Library useful to create word game apps, for any languages. Currently: English, Italian, Spanish, French and Portuguese. You can also import your custom dictionaries from CSV files or Lists.

.Initialize

Library functions:

.SetLanguage(asLang As String)

asLang can be (constant provided):

"Italian", "English", "Spanish", "French" or "Portuguese"

.GetRandomWord(WordLength As Int) As String

Returns a WordLength long random word.

Pass -1 for any length.

.WordExists(WordToSearch As String) As Boolean

Checks if a word exists (in the db, of course).

.FindAnagrams(Word As String) As List

Returns a list of anagrams of the given Word.

.GetWordsFromLetters(Letters As String) As List

Returns a list of words containig the given Letters.

.GetFilteredWords(filter As String) As List

Returns a list of words using the given Filter.

Filter can include SQLite wildcards:

% represents zero, one, or multiple numbers or characters;

_ (underscore) represents a single character.

Example:

%a__l%

returns "example" and other 2399 words

__a__le returns "example" and other 27 words

.GetFilteredWordFromList(filter As String, words As List) As List

Similar to GetFilteredWords but on a list of words.

.CountWords (FirstLetter As String) As Long

Returns the number of words beginning with FirstLetter.

Pass an empty string to get all the words.

.LoadCSVVocabulary(dir As String,file As String,ForceNew As Boolean)

Loads words from a CSV file.

One word for each line.

If ForceNew is True the database is cleared before the words are imported.

.SetTimeout(t As Long)

set the Timeout for "Search Word from Letters", milliseconds.

Default value is 10,000 (10 seconds).

..SortList(ListWords As List, Ascending As Boolean)

Sorts ListWords on ascending order

or descending if you set Ascending to False.

.DeleteWords(FilterType As String, FilterValue As String) As Int

Delete Words WHIT SQLite Filter

Filter Type as "=", "LENGHT", "LIKE"

Filter Value as numeric or letteral

Example:

type	value	
=	"example"	deletes 1 word.
LENGHT	>10	deletes any word which length is > 10 letters.
LENGHT	<9	deletes any word which length is < 9 letters.
LENGHT	=7	deletes any word which length is = 7 letters.
LIKE	a%	deletes any word that start whit "a".

Returns the number of words deleted.

.DeleteWordsInList(ListWord As List) As Int

Deletes the words included in ListWord.

Example of ListWord:

('example','word','amb%')

Returns the number of words deleted.

.AddingWordsFromList(wordlist As List)

Adding the words in wordlist.

Example of list:

('example','word','ambo')

.Levenshtein_distance(Firstword As String, Secondword As String) As Int

https://en.wikipedia.org/wiki/Levenshtein_distance#:~:text=Informally%2C%20the%20Levenshtein%20distance%20between,considered%20this%20distance%20in%201965.

.SuggestsCorrection(word As String) As List

Corrects letter position errors.

Example : **corrcets**

Result : [corrects]

.SuggestsCorrection2(word As String) As List

Corrects word errors

Example : **evidentamante** (italian word)

Result : [evidentamente]