



User Manual

Arabic Verb Conjugator
Full-form Conjugation Generator



MAPS Ortho© Lite
(Conjugation)

Version 2.00

Coverage of this document

This document is the full text user manual for MAPSOrtho© Lite (Conjugator) version 2.00.

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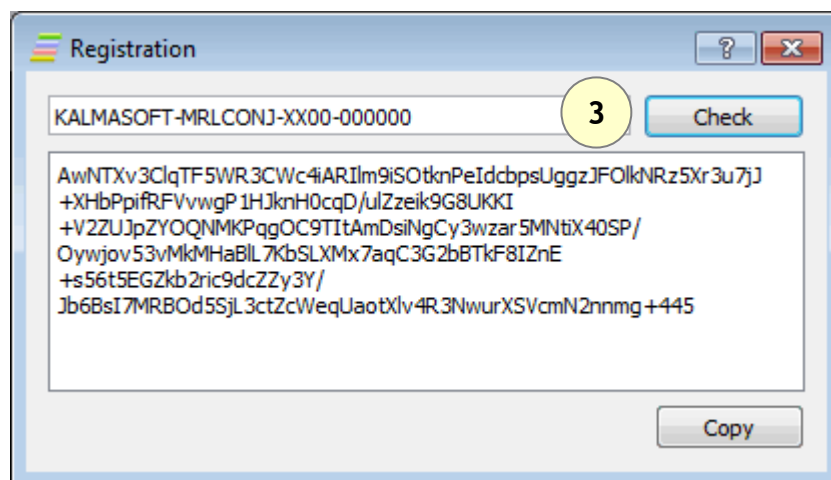
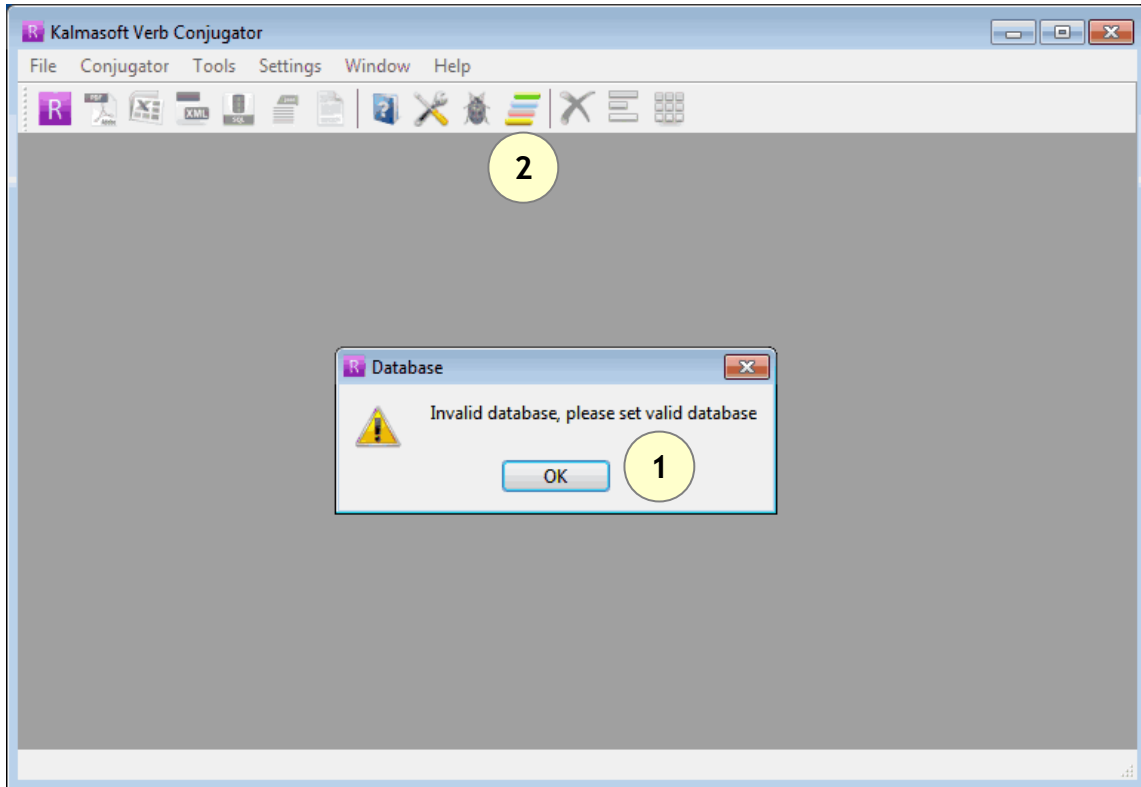
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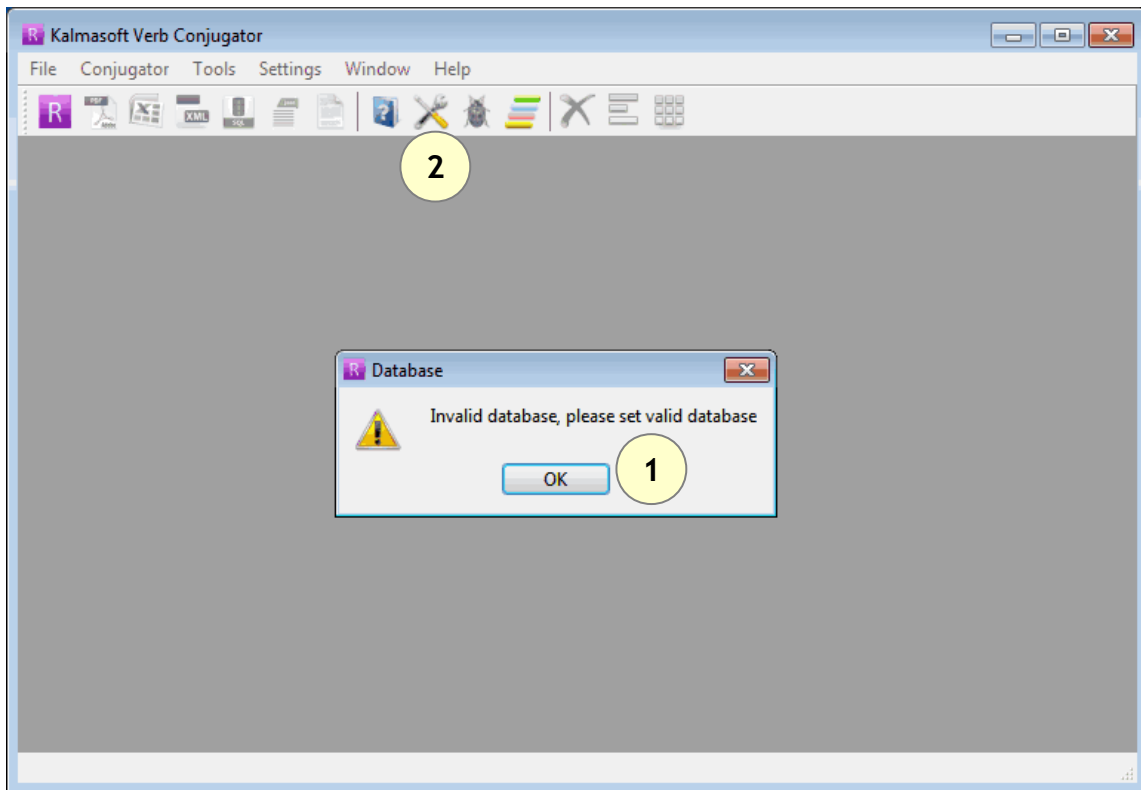
Registration


1. Download Kalmasoft Library rar archive and install it. You will not need this if you have installed any of Kalmasoft application before.
2. Download the software rar archive and install in the same folder.

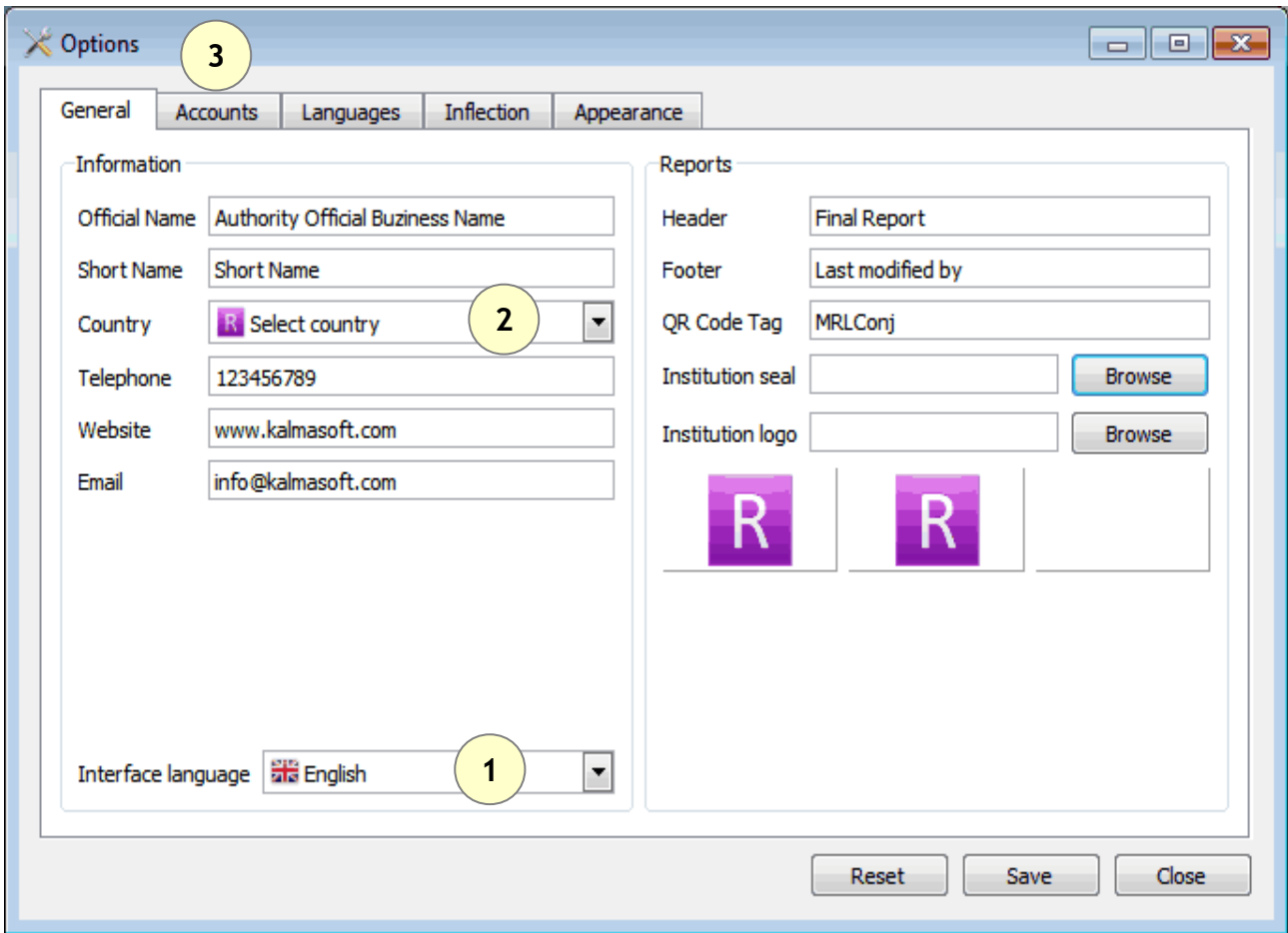


3. Enter the registration key (KALMASOFT-MRLCONJ-XX00-000000)
4. Click (Check) then send the generated key to Kalmasoft.

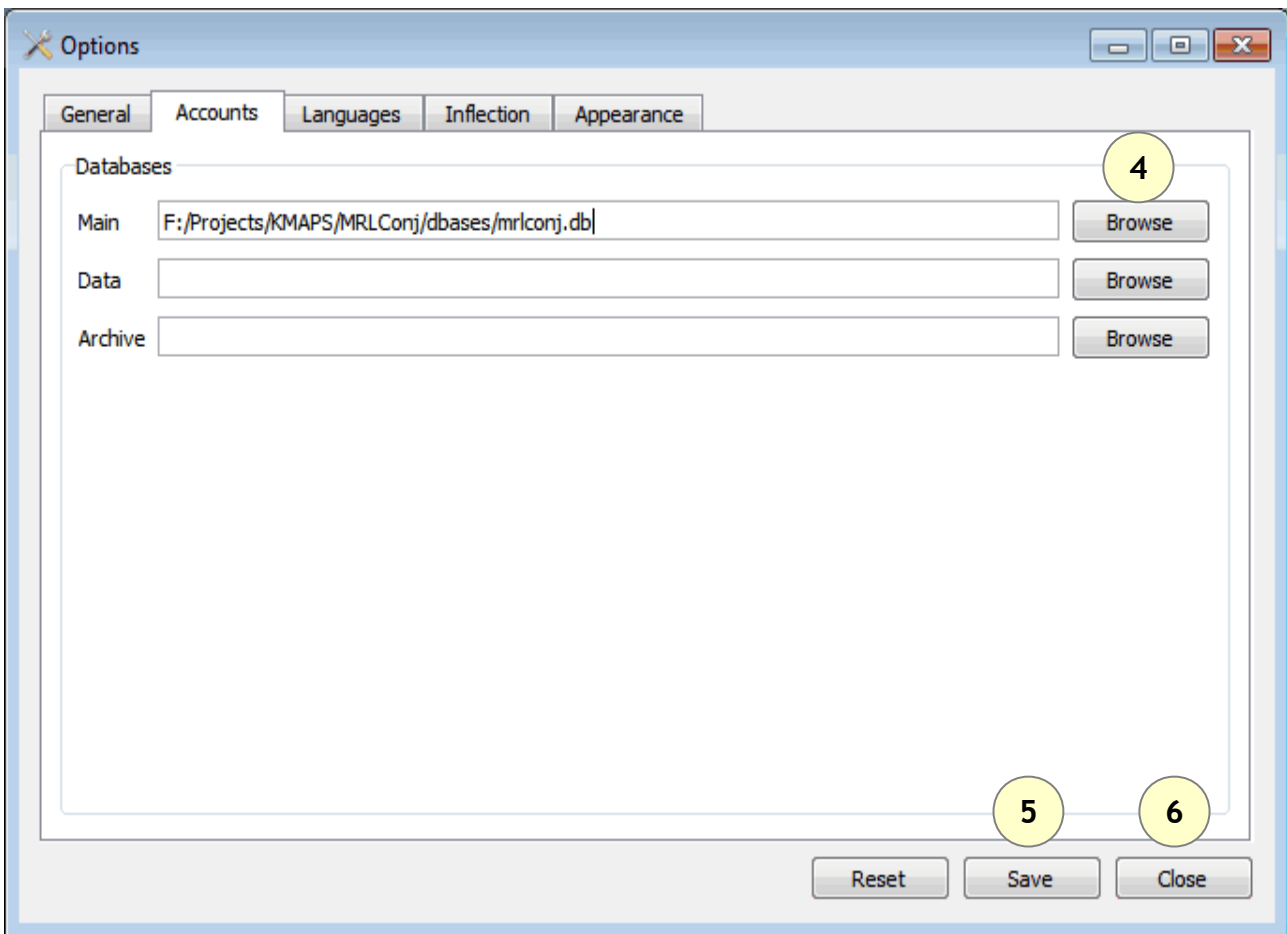
Setting



- After installation, click (OK), you do not set any databases yet.
- Click on the option button ()



- Set country and language according to your preferences.
- Open the Accounts tab (3).



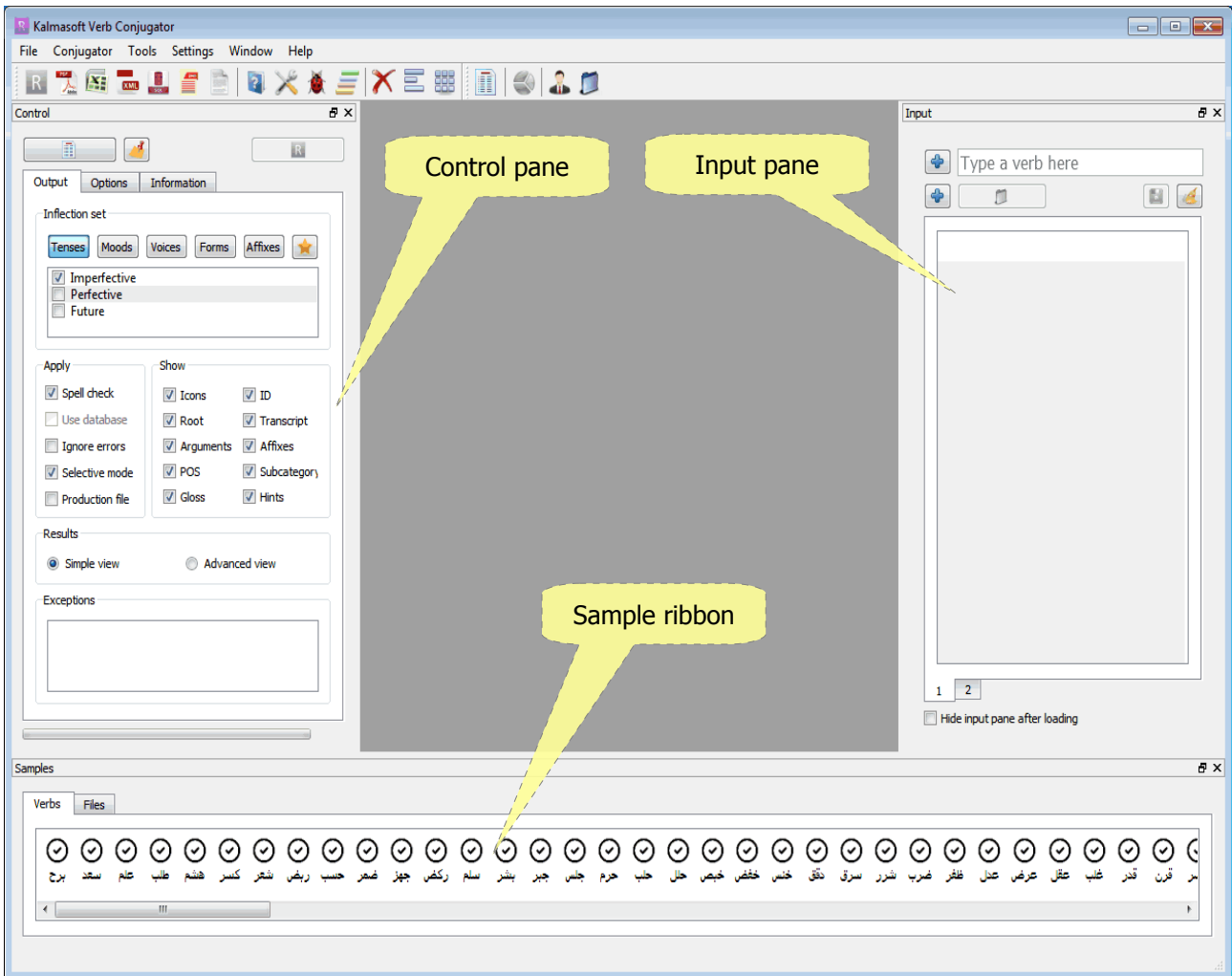
Set database to **C:/Program Files/Kalmasoft/KMAPS/Databases/mrlconj.db**

Depending on your installation folder, the above path may differ slightly but the part (**Kalmasoft/KMAPS/Databases/mrlconj.db**) should always remain valid.

- click (4) to Browse, set the database as highlighted above
- save (5)
- and close (6)

You must restart the program for the setting to be effective.

Running



Conjugating a single verb from the samples

Double click any sample verb from the verb ribbon beneath.



A verb card will appear.

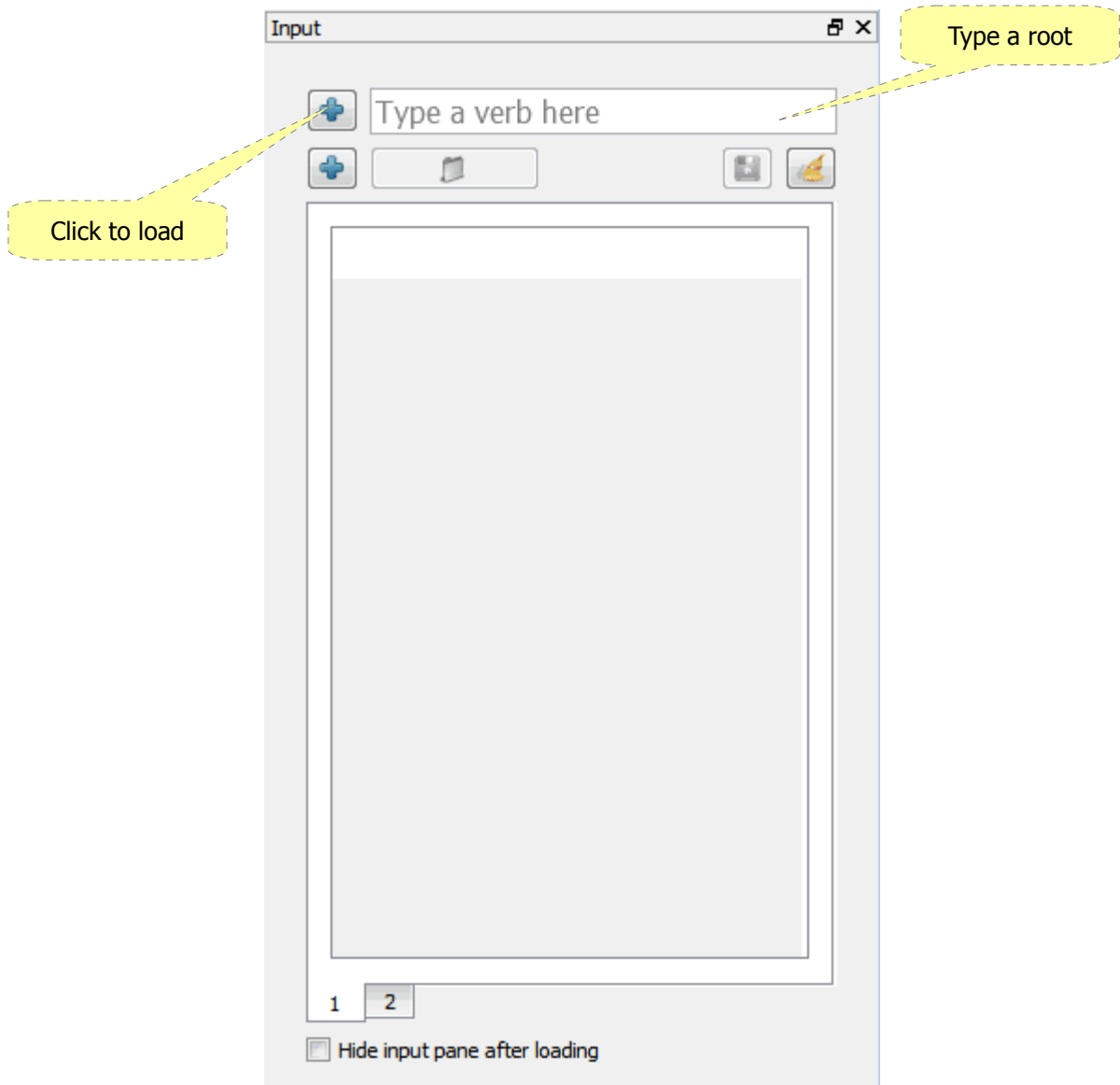


The result will appear in a simple table view.


R Inflection table								
	ID	Root	Lemma	Vocalized	Transcript	Arguments	Affixes	POS
1	000000001	عرض	عَرَضَ	عَرَضُهُ	oar~iD&hu	2SM3SM	[+ hu]	V•M•
2	000000002	عرض	عَرَضَ	عَرَضُهَا	oar~iD&haA	2SM3SF	[+ haA]	V•M•
3	000000003	عرض	عَرَضَ	عَرَضُهُمْ	oar~iD&hum&	2SM3PM	[+ hum&]	V•M•
4	000000004	عرض	عَرَضَ	عَرَضُهُنَّ	oar~iD&hun~a	2SM3PF	[+ hun~a]	V•M•
5	000000005	عرض	إِسْتَعْرَضَ	إِسْتَعْرَضُهُ	Ais&tao&riD&hu	2SM3SM	[+ hu]	V•M•
6	000000006	عرض	إِسْتَعْرَضَ	إِسْتَعْرَضُهَا	Ais&tao&riD&haA	2SM3SF	[+ haA]	V•M•
7	000000007	عرض	إِسْتَعْرَضَ	إِسْتَعْرَضُهُمْ	Ais&tao&riD&hum&	2SM3PM	[+ hum&]	V•M•
8	000000008	عرض	إِسْتَعْرَضَ	إِسْتَعْرَضُهُنَّ	Ais&tao&riD&hun~a	2SM3PF	[+ hun~a]	V•M•

Conjugating a single verb from the input pane

- Type an Arabic root in the area shown.
- A verb card will appear.
- Click the card button to conjugate.



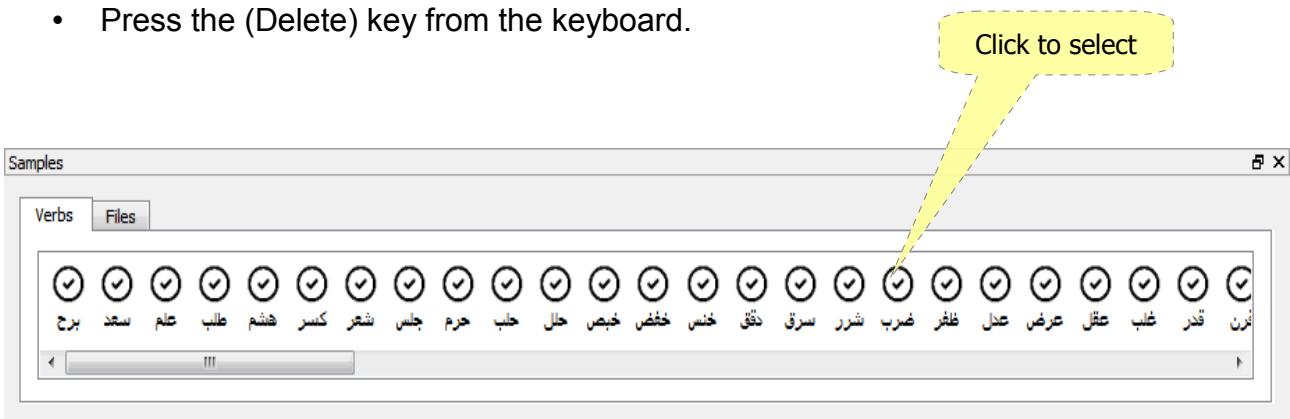
Saving a single verb

- Sample verbs are saved in the internal database.
- Verbs are saved for reference only and not meant to be too many.
- A verb can be saved only after conjugation by clicking the button ().
- Saved verb appears immediately in the sample ribbon.



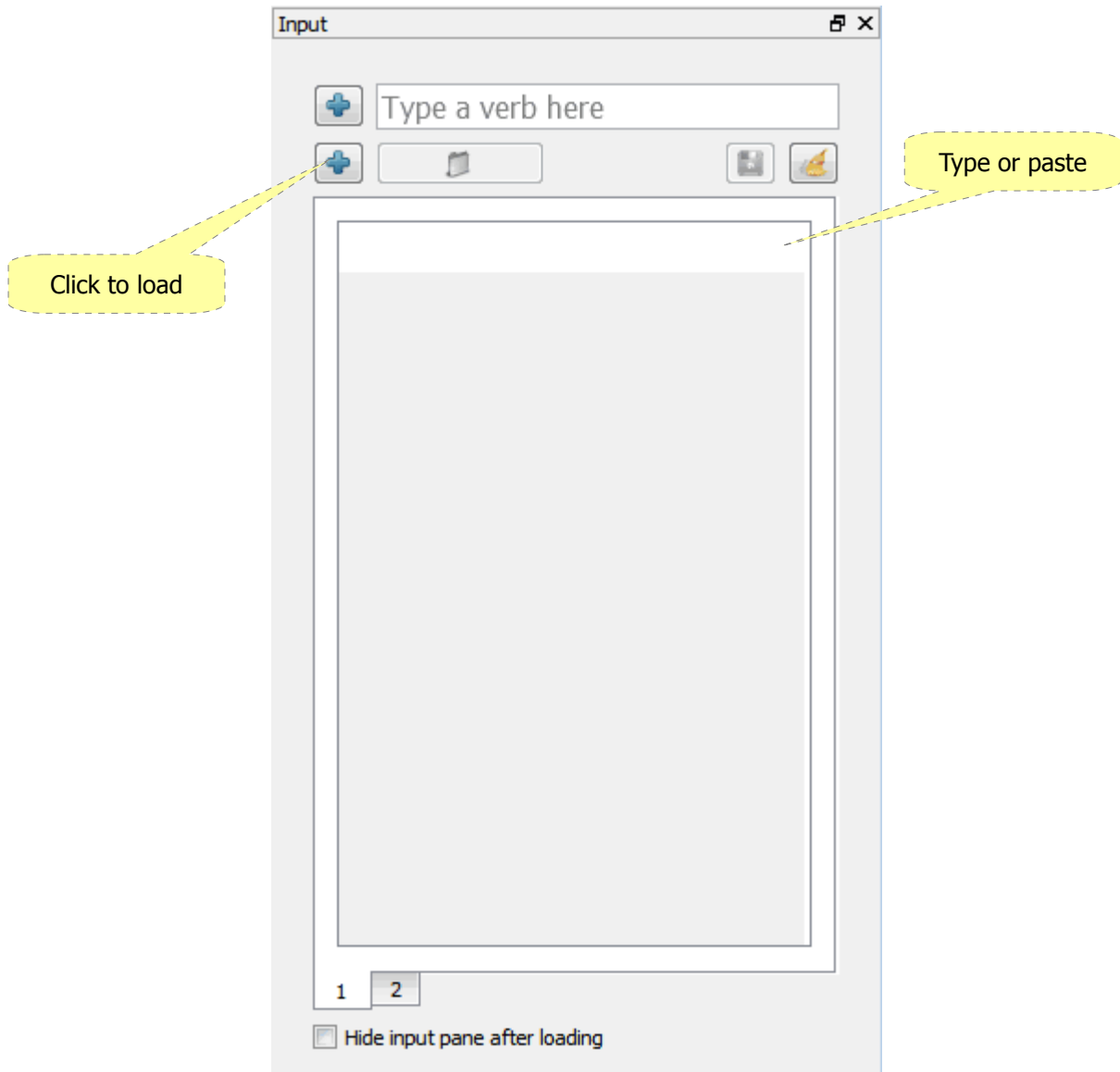
Deleting a single verb

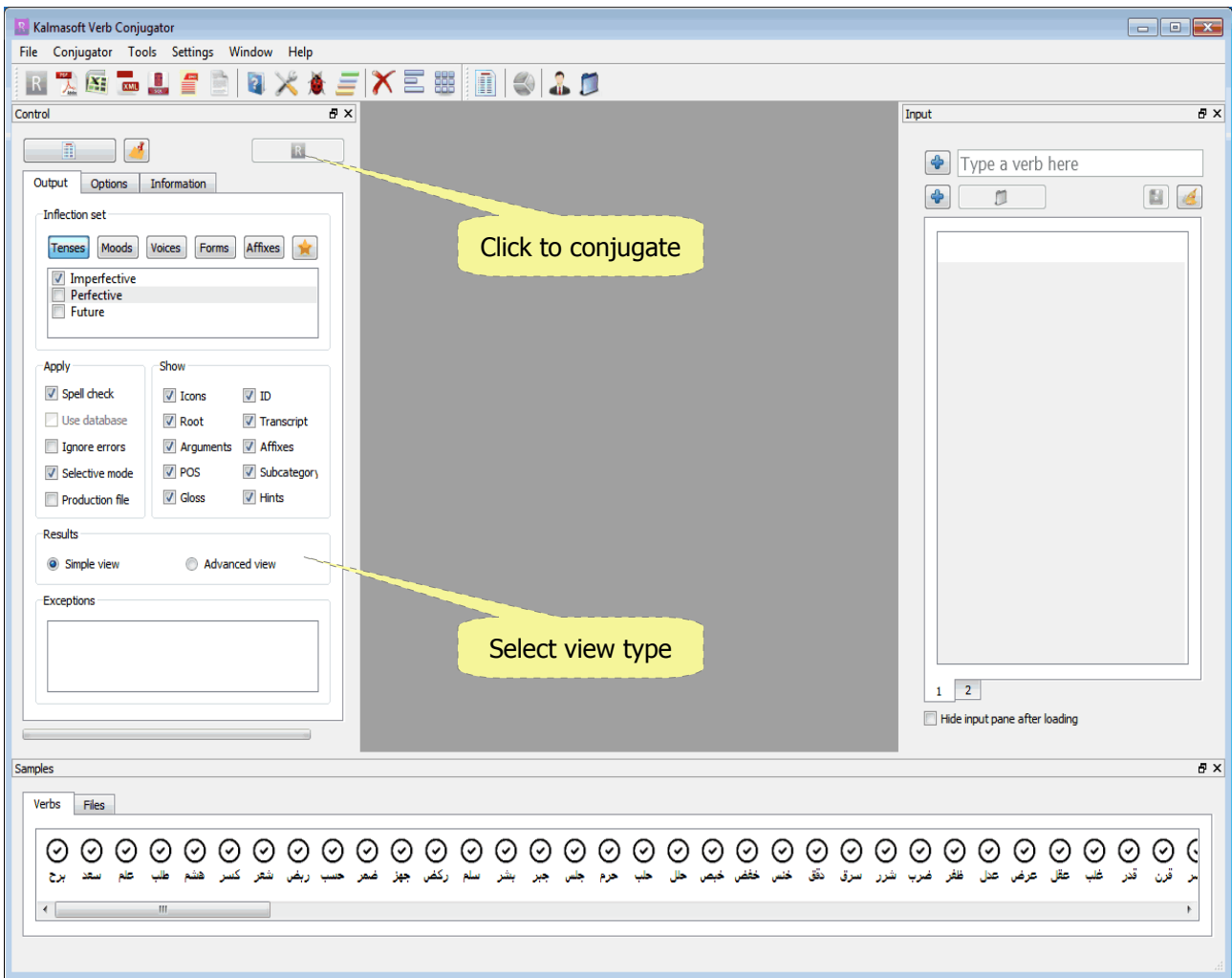
- Select the verb from the sample ribbon.
- Press the (Delete) key from the keyboard.



Conjugating a list of verbs

- Type a list of Arabic roots in the area shown.
- Click the button (+) to load the roots.





- Click the button (**R**) in the control pane to start conjugation.
- After conjugation the result view will appear (image shown in the next page).
- You may select the view type as you want from the same pane.

The screenshot shows the 'Inflections' application window. On the left, there are control panels for 'Conjugations' (with an 'Expand all' button), 'Reference' (with an 'Export database' button), and a character set display. Below these are search filters, including a 'contains' dropdown, a search input field, a 'Case sensitive' checkbox, and a progress indicator showing '0%'. At the bottom left, there are icons for file operations like 'Open', 'Save', 'Print', and 'Export'. On the right, a table displays the results of the search, with columns for ID, Root, Lemma, Vocalized, Transcript, and Arguments. Two yellow callout boxes with arrows point to the search filter input and the 'Export' icon, with the text 'Use the filter' and 'Export the results' respectively.

ID	Root	Lemma	Vocalized	Transcript	Arguments
000000001	عرض	عَرَضَ	إِعْرَضَهُ	Aio&riD&hu	2SM3SM
000000002	عرض	عَرَضَ	إِعْرَضَهَا	Aio&riD&haA	2SM3SF
000000003	عرض	عَرَضَ	إِعْرَضَهُم	Aio&riD&hum&	2SM3PM
000000004	عرض	عَرَضَ	إِعْرَضَهُنَّ	Aio&riD&hun~a	2SM3PF
000000005	عرض	عَرَضَ	عَرَضَهُ	oar~iD&hu	2SM3SM
000000006	عرض	عَرَضَ	عَرَضَهَا	oar~iD&haA	2SM3SF
000000007	عرض	عَرَضَ	عَرَضَهُم	oar~iD&hum&	2SM3PM
000000008	عرض	عَرَضَ	عَرَضَهُنَّ	oar~iD&hun~a	2SM3PF
000000013	عرض	أَعْرَضَ	أِعْرَضَهُ	!uo&riD&hu	2SM3SM
000000014	عرض	أَعْرَضَ	أِعْرَضَهَا	!uo&riD&haA	2SM3SF
000000015	عرض	أَعْرَضَ	أِعْرَضَهُم	!uo&riD&hum&	2SM3PM
000000016	عرض	أَعْرَضَ	أِعْرَضَهُنَّ	!uo&riD&hun~a	2SM3PF
000000017	عرض	إِسْتَعْرَضَ	إِسْتِعْرَضَهُ	Ais&tao&riD&hu	2SM3SM
000000018	عرض	إِسْتَعْرَضَ	إِسْتِعْرَضَهَا	Ais&tao&riD&haA	2SM3SF
000000019	عرض	إِسْتَعْرَضَ	إِسْتِعْرَضَهُم	Ais&tao&riD&hum&	2SM3PM
000000020	عرض	إِسْتَعْرَضَ	إِسْتِعْرَضَهُنَّ	Ais&tao&riD&hun~a	2SM3PF

Viewing details

The screenshot shows the 'Kalmasoft Arabic Processing System' interface. The main window displays 'Arabic Verb Conjugator' and 'Conjugation results' for the transcript 'yao&riDuka'. A 'Details' window is open, showing a table with the following data:

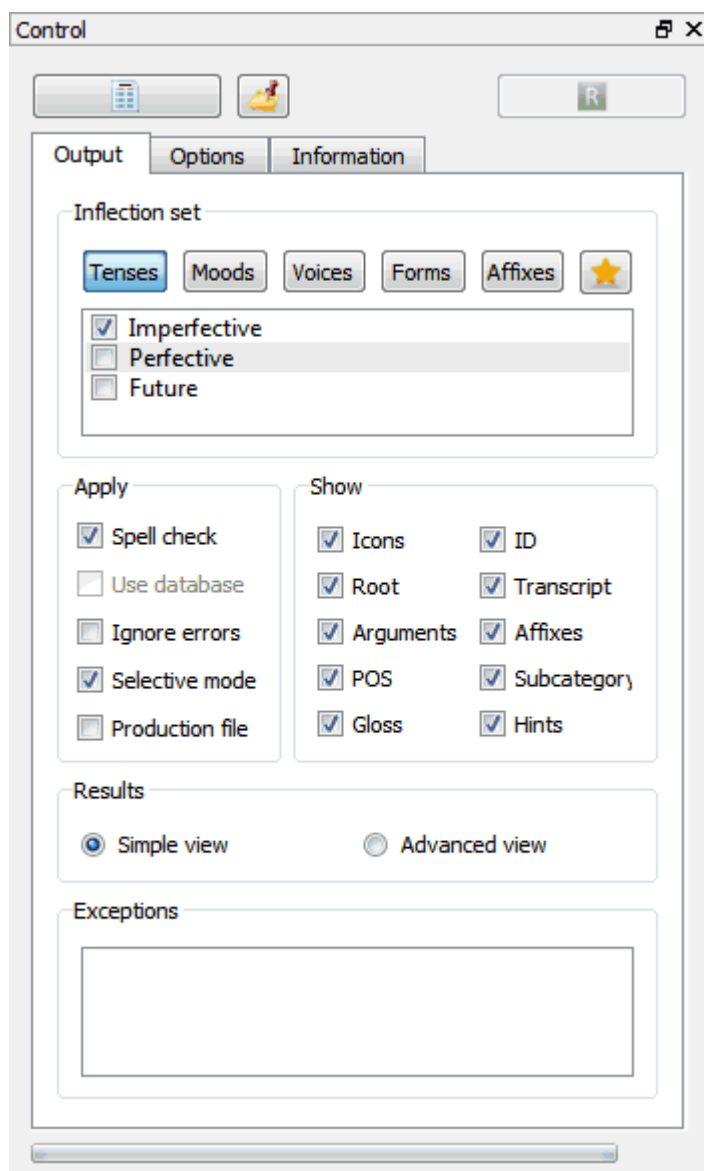
Item	Details
1	
2	ID 000000011
3	Root عرض
4	Lemma عَرَضَ
5	Vocalized يَعْرضُكَ
6	Transcript yao&riDuka
7	Arguments 3SM2SM
8	Affixes [ya + ka]
9	POS VIII A

To the right, a list of conjugation results is shown with columns for 'Vocalized' (Arabic script) and 'Transcript' (Latin script). A yellow callout bubble with the text 'Double click' points to the 'Transcript' cell containing 'yao&riDuniy' in the list.

- The details screen works only from the Advanced view
- Double click on any cell to get the details

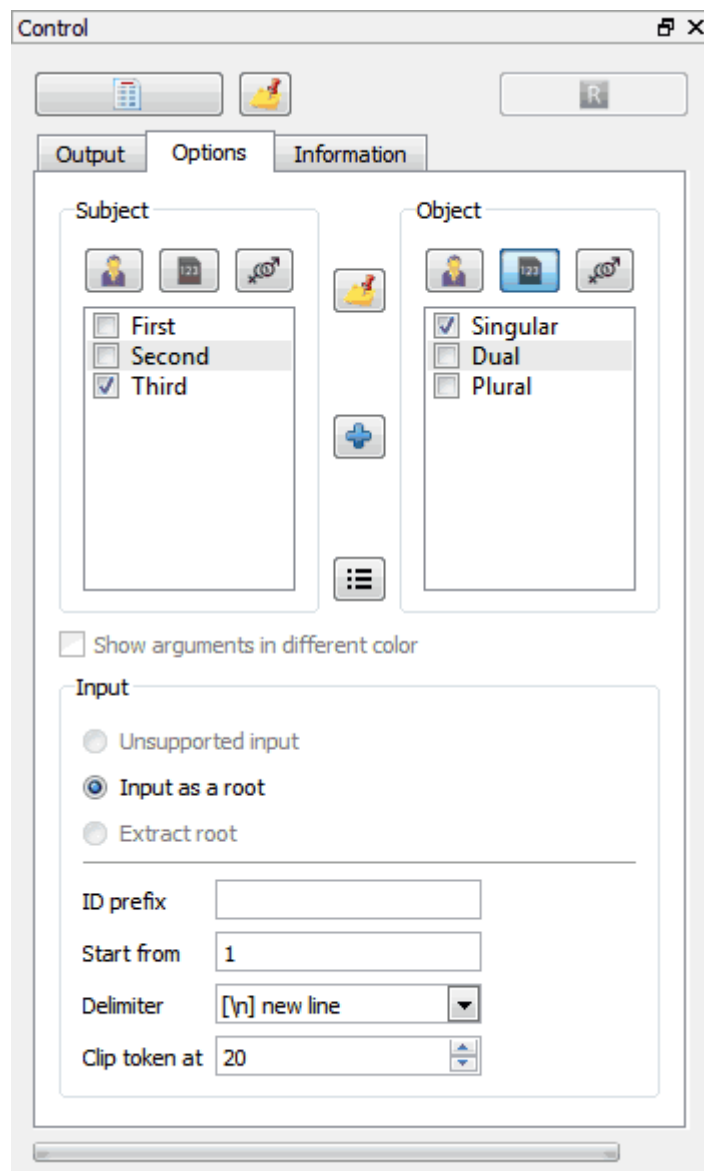
Adjusting verb grammatical classes

- Set the grammatical classes by first selecting the major class, then fine tune the details as you wish.
- You may click on button (★) to select all the classes at once.
- You may save your settings as default by clicking the button (📌) on top.



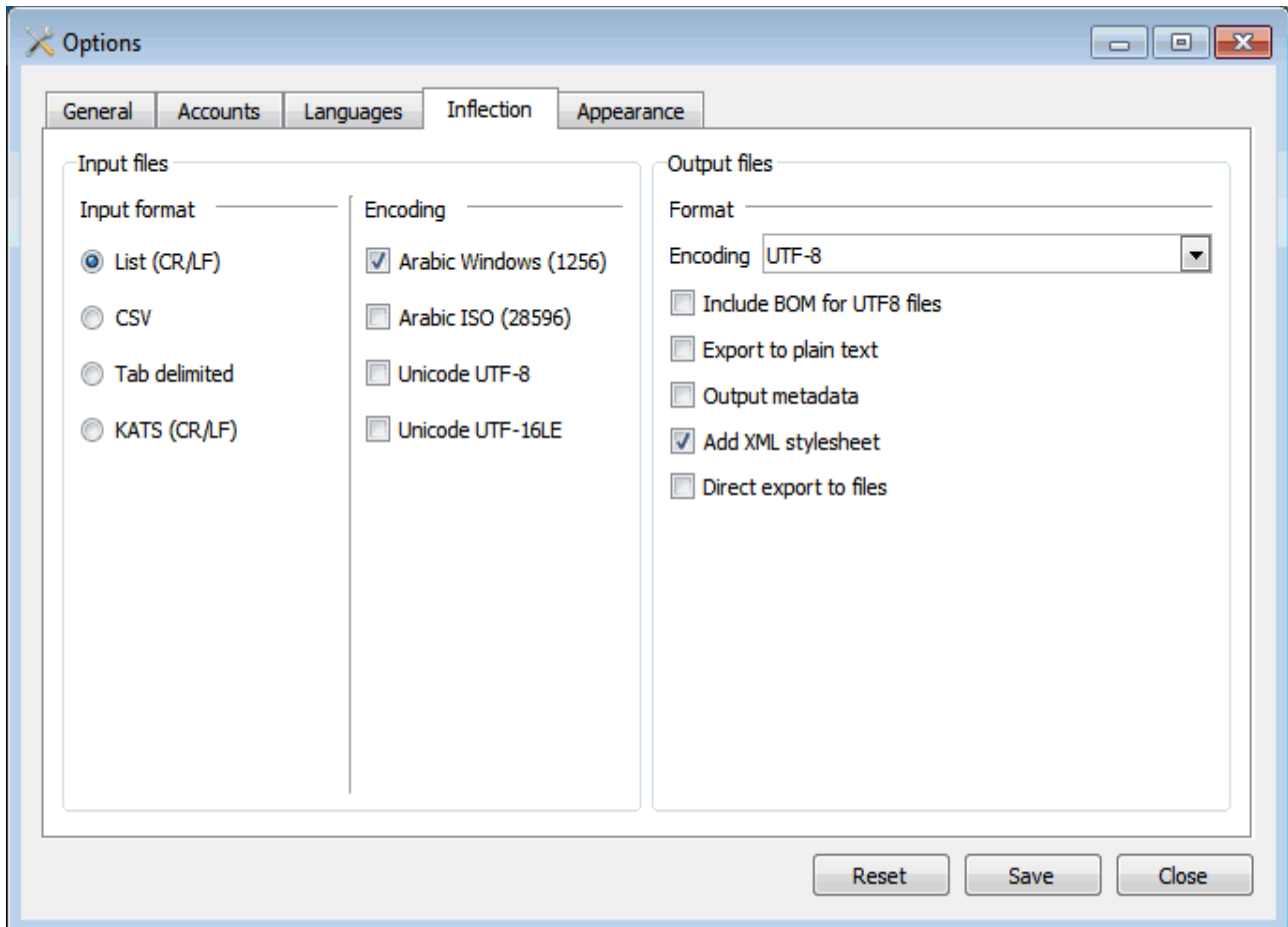
Adjusting conjugation arguments

- Click the (Options) tab in the Control pane.
- Click on the argument class e.g. Person, a list will show up, select the details.
- You may click on button (+) to select all the arguments.
- You may enter an ID prefix to be shown along with the serial IDs.
- You may save your settings as default by clicking the button (📌) in the center.



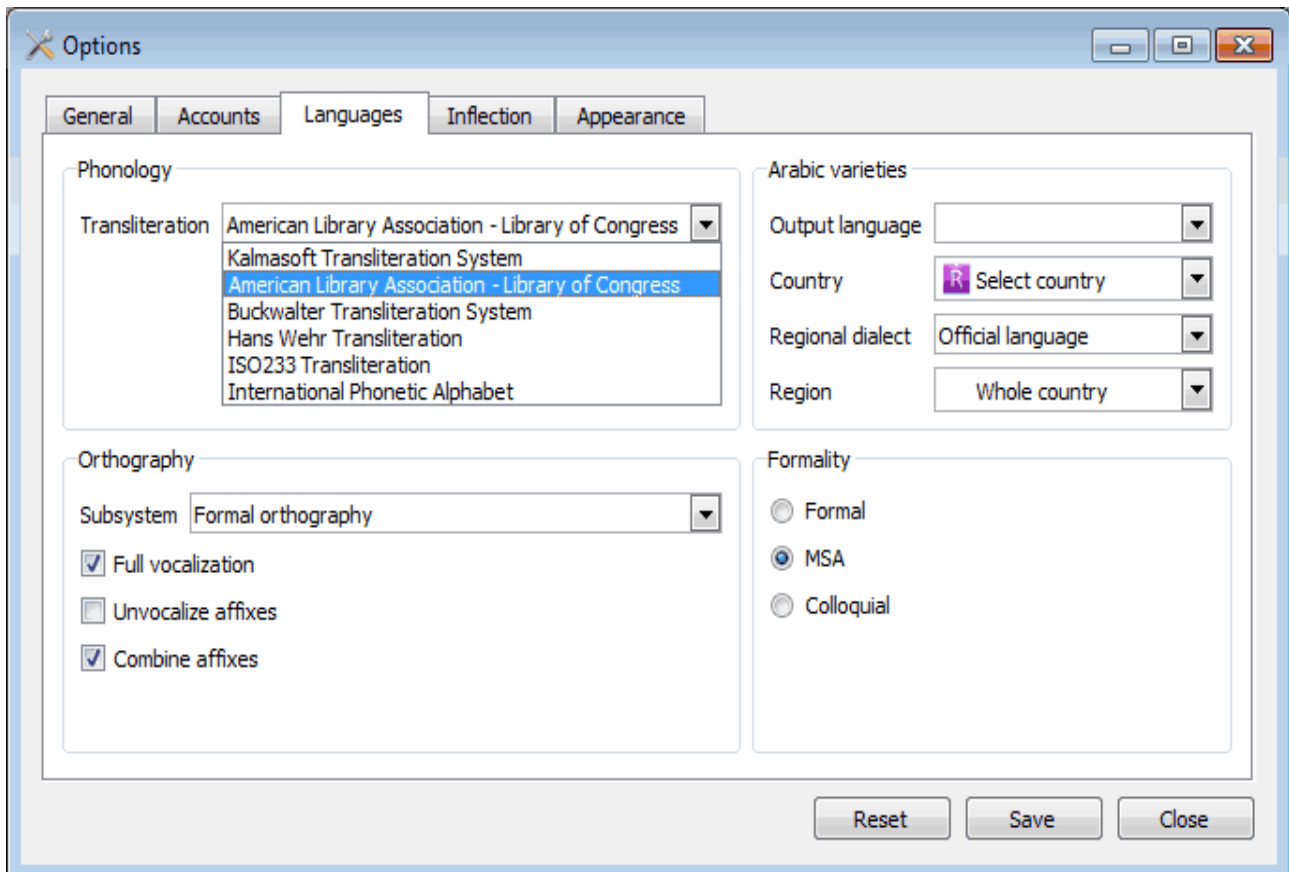
Exporting the conjugation results

- The conjugator is ready, just click the file format button you wish to export the results.
- In case you would like to export to XML with the ability to view nicely laid-out contents on the browser check option (Add XML stylesheet).



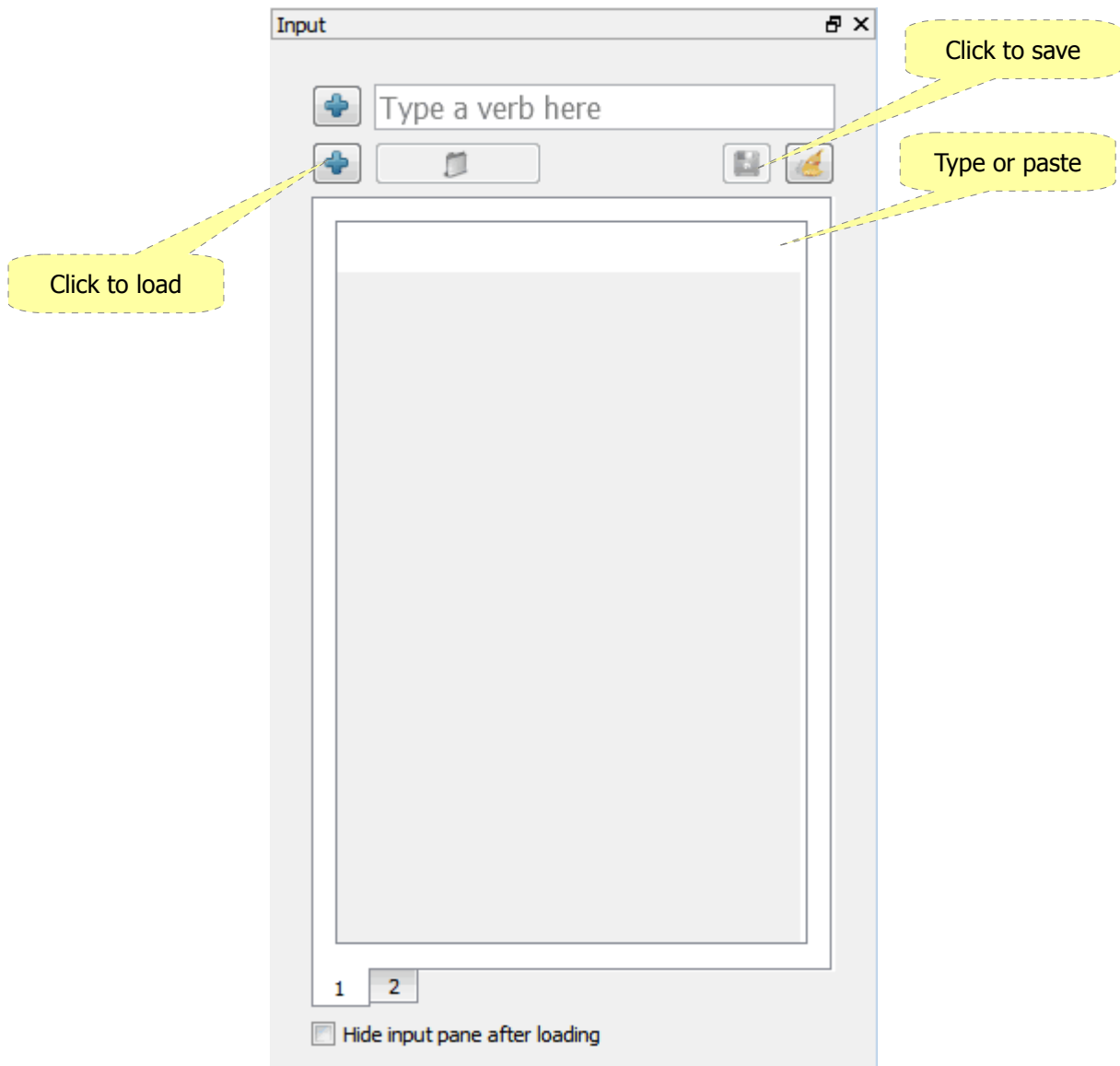
Setting language transcription

- Open the option screen, click on the Language tab.
- Select the transliteration or transcription system.
- KATS is the transliteration system used by.




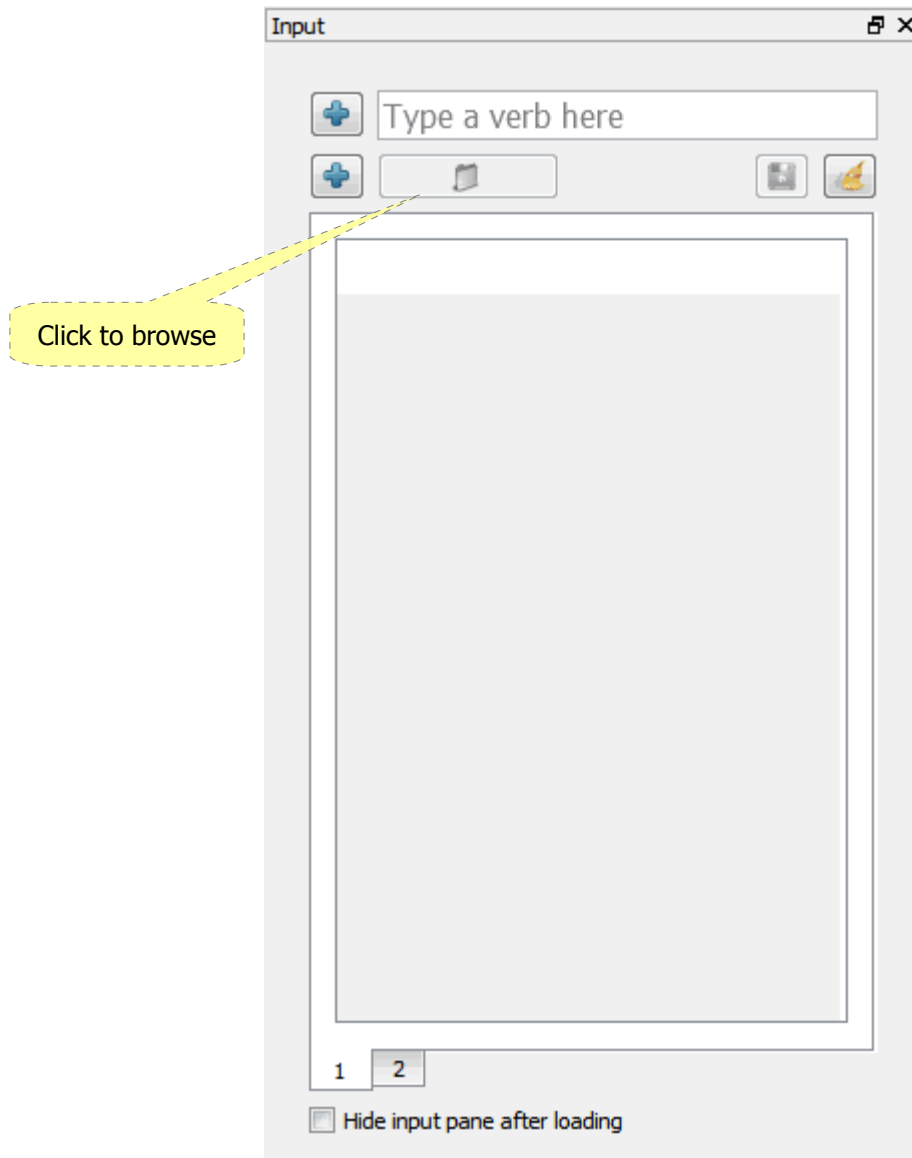
Saving verb list to file

- Paste a list of verb or roots to the space shown below.
- click on button (+) to load the list of verbs.
- Once loaded click the button (📁) to save the list to file.
- The file name is saved in the sample ribbon, the files tab.
- Double click the file name any time you want to load the verbs contained.



Loading verb files

- Click on button () to browse for the file.
- Double click the file name to open, the file name will be imported to the ribbon.
- Double click the file name any time you want to load the verbs contained.



User interface

- You may change the look and feel by selecting from five different interface styles.

