LEXUS lexical resource tool

LEXUS is a web based software for the creation on multi-media lexica.

> **Requirements:**
> - A web browser (Firefox is recommended).
> - LEXUS is at: http://corpus1.mpi.nl/mpi/lexusDojo/
> - Send an e-mail to Jacquelijn.Ringersma@mpi.nl to obtain a LEXUS account

1. Login to LEXUS

2. Create a new lexicon
- In the LEXUS start screen choose the + -icon under the left frame.
- Enter a Name and Description for the lexicon and click Save
- The new lexion now appears in the list, with an icon indicating that its new.

3. Define the lexicon scheme (Figure 1)
Before you can insert lexical entries you need to define the lexicon scheme. A scheme consists of data components and data categories. LexicalEntry is the core of the lexicon; it consists of two default components: Form and Sense. Data categories (the elementary descriptors in the linguistic structure) are elements of the components.
- Open the schema editor by selecting your lexicon in the left frame of your workspace and clicking Switch to and Schema and view editor in the top menu;
- In the tree, click the component to which you want to add a component or data category;
- Click the + -icon and select New Data Category (or New Component);
- Add a Name and a Description in the appropriate boxes
- Activate Mandatory to ensure that each lexical entry has at least one value for this data category;
- Activate Multiple values to allow for multiple values of the data category;
- Click OK. To save your structure click File --> Save from the main menu in the top frame
- You can change the type of a new data category from user defined to toolbox MDF, or ISO 12620 in the right frame schemaElement tab
  - Toolbox MDF → click Toolbox, select a data category in the list and click OK to insert
  - ISO 12620 → click ISO 12620, search for a data category, select it in the list and click OK to insert

Figure 1

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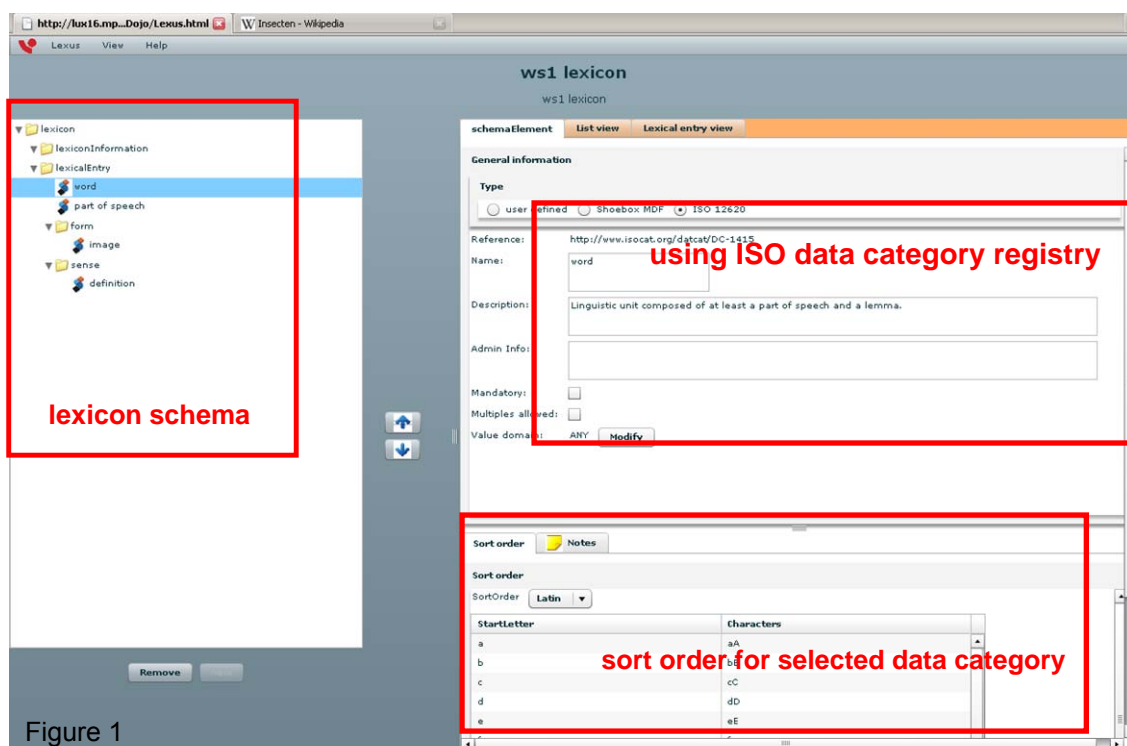
4. Define the list view and the lexical entry view

After you have defined the lexicon scheme you need to define how your data will be represented on the screen. The list view defines how your data are shown in the word list; the lexical entry view defines the representation of your lexical entries.

- Open the Schema and view editor from the top menu and click List view in the right frame
- Drag the data categories which you want to be shown in the word list from the tree in the left frame and drop them in the Preview section
- Select the data category and add any required text and adjust the layout and font format by choosing options from the bottom
- Click on Lexical entry view to define the layout of your lexicon entries
- Choose the data categories which you want to be shown from the drop down menu;
- Add any required text and adjust the layout and font format by choosing the options from the menu
- Save the word list view or lexical entry view by selecting Save in the main File menu

5. Insert a new lexical entry

- To insert a new lexicon entry, choose the Switch to and Lexicon editor from the top menu;
- Click the **+** -icon to add an entry to the word list
- The new lexical entry will get the default structure defines in the lexicon schema, with value "to be specified" to all data categories
- Select the entry in the list and edit the entry information in the right frame;

6. Setting sort orders (Figure 1)

- To create a sort order, go to your workspace and open Sort orders in the left frame;
- Click the **+** -icon and enter a name and a description, when done click Save ;
- Your new sort order will appear in the right frame. You can edit it by either clicking on the respective line or by clicking **+** -icon or **-** -icon. To create a sort order without the default, select 'remove all (the **dirt bin** icon on the right) ;
- If you want to use a combination of characters, either as initial character or as element of the characters to be sorted, put them in square brackets, e.g. 'a' - 'aA['a']['A], or 'ng' - [ng][NG].
- To apply sort orders on data categories go to Schema and view editor, click on the appropriate data category and select a sort order from the drop down menu at the bottom of the right frame

7. Sharing your lexicon

If you want to share your lexicon with others, you need to grant them either reading or writing rights.

- To set reading rights, go to your workspace and open Readers in the right frame;
- Click Load users , select the respective users and add them to Readers via drag-and-drop;
- To set writing rights, go to your workspace and open Writers in the right frame;
- Now follow the same procedure as for setting reading rights.

8. Multi Media

Lexica can be neriched with multimedia: either images, video, sound or links to archjved ELAN files (ANNEX). If you want to add multi media to your lexical entry you need to supply both a header for the file and the file itself:

- Open a lexicon in the Lexicon editor and select the entry to which you want to add a multi media element. In the right frame, select the data category edit box where you want to add the multmedia fragment. In the edit box you may enter the header for the multimedia file.
- To add the multimedia file, select Multimedia tab at the bottom of the left frame, and click Import on the file upload frame; Follow instructions to upload either a local file or an archived file.
- Select Save from the top File top menu