

# Listed Mnemonic Summaries

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Summarize long texts with the *Lavín LMnS Syntax* to make them **easier to study**.

## Mnemonic *device*

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A learning technique that improves your memorization, by encoding complex information into something that is easier to remember, even if the encoded result is silly.

## About

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This project generates a class library named ListedMnemonicSummaries, and the Mnemonic Summaries (MnS) are generated by the Rewriter abstract Class inside this LMnS project. An original text is sent to the Rewrite method of Rewriter, and it returns a MnS of the original text. The idea of the Mnemonic Summaries is to simplify everything that is said in the text itself, by mostly deleting the unneeded words to make it the shortest it can be. This obviously destroys the syntax of the language the text is originally written on, and that's why the user **must** have an idea of what the text originally meant. **I don't recommend you to study a MnS if you haven't read the original text.** The most efficient way to memorize a Mnemonic Summary, is actually by transforming a text that you synthesized yourself, so you already know what it is about.

The "Listed" part in the name of the project is more linked to the application of the Mnemonic Summaries themselves. The main goal of creating this project is to summarize whole topics into Listed definitions. To achieve this, a Listed Mnemonic Summary will be formed by many related Mnemonic Summaries. At the moment, there's no such class inside this project that creates a full Listed Mnemonic Summary. This will be made at the end and I really want this classes to be able to export the LMnS to PDF or doc files.

## Replaceables

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A Replaceable is a pair of words that share an original-substitute relationship in Mnemonic Summaries. The easiest example of this would be the [" or ", "/"] pair. If this Replaceable is part of the Lavín LMnS Syntax for English, then every English

text that includes the word or (or) will put a slash (/) in its place. If the original text says:

Apples or oranges.

Then, the Mnemonic Summary will say:

Apples/oranges.

You should notice that there's actually no space between Cesaro, the ampersand symbol and Sheamus. This behavior is by design. You don't need the space between each word since it is still readable and we want to delete the biggest amount of characters possible so the Mnemonic Summary is almost guaranteed to fit inside a page.

There are many kinds of Replaceables, and every kind of Replaceable should be worked in an specific order. The LanguageCollection Español method returns a list of replaceables that are already ordered. If the list is not in the following order, some replaceables will actually be omitted and the MnS will not be the shortest it can be.

### **Multiword Replaceables**

Multiword Replaceables are the ones that have a original part made by more than one word. This makes ["greater than", " > "] a multiword Replaceable.

### **Replaceables *aka Standard Replaceables***

The standad Replaceables have a single word or symbol in their original and substitute parts. This makes [" next ", " → "] a standard Replaceable.

### **Left Sided Replaceables**

These Replaceables have a substitute part that doesn't include a space on the right side. This makes [" and ", ", "] a left sided Replaceable.

### **Blank Replaceables *aka Deletables***

The Deletables are the most powerful Replaceables, and the most difficult to choose. This is because the substitute part is completely blank. The Mnemonic Summary will **delete the original word from the whole text**. This makes [" the "], [" of "], and [" by "] blank Replaceables.

## Right Sided Replaceables

These Replaceables have a substitute part that doesn't include a space on the left side. This makes [" forever ", " ∞"] a right sided Replaceable.

## Joining Replaceables *aka Joinables*

Joinables are also powerful, since the substitute part of the Replaceable is a symbol with neither left or right spaces. The original part of the Replaceable can also be a long word, but it depends on the language itself. This makes both [" with ", "+"] and the original example [" or ", "/"] Joining Replaceables.

## Lavín LMnS Syntax

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My LMnS syntax is just the collection of recommended Replaceables for a specific language. I'm starting with the Español (Spanish) LMnS syntax since it is my first language. The whole LMnS syntax of Español can be found in the LanguageCollection class, but since the LMnS Syntax for each language will probably be way bigger than what they are now, LMnS Syntax for English and Español will be shared in separate loadable files in future versions.

## Language Class

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The Language class inside the project is one that helps to create Language objects easily. The final version of this project will include English and Español as Language objects. A Language needs a Name, a list of Replaceables and a Test String. The Test String is just for development purposes but every final language should include one so the behavior of the Rewriter Class can be tested.

## Complexity

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Now that everything has been explained, it is easier to notice how some things have a higher level of complexity than what it seems in the first place. The Rewriter Class must be powerful enough to distinguish between words that are at the start of a phrase and at the end of it, and many other future details that are already planned. If by the end it is possible to create the PDF output documents, then the Listed Mnemonic Summaries can be powered by fonts, size, colors, italics, bolds, and many other font options that Strings don't have and make texts what they are.

This is why this project could not have a defined end in this moment and that's why it is in development right now.