

Report - DesignerTools

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Abstract. *This is where the abstract should be written. It should be a brief summary of the work, highlighting the main points of the research. The abstract should be written in English, even if the work is in Portuguese or Spanish. The abstract should not exceed 200 words.*

1. Introduction

This specific purpose language is a language made for graphical designers, it is intended to make the work of the designer easier, it will be supported on python using multiple libraries so it can do multiple things, the grammar will be on English so everyone can use it, it is intended to be used by people that doesn't know how to program.

2. Justification

This language was made thinking on graphical designers that need to work with a lot of images, so they can simply use this language to automatize tasks; for example they need to re-size a lot of images to a specific resolution, or apply a filter on them, they only need to select all those images with the language and tell it to auto resize them for them, a thing that manually can be really tedious and time consuming to make, but with the help of the language can be made really fast and easy.

Table 1. Table of keywords

Lexem	Token	Description
IMAGE	Keyword	Defines a constant type image
URL	Keyword	Defines the location of a file to be use
FILTER	Keyword	Picks an image and applies predefined filters.

3. Lexemes and Tokens

Table 2. Table of lexemes and tokens

Lexem	Token	Description
RESIZE	Operator	Redefines the size of an image
"(" and ")"	Special char	Defines the content of a function

4. Generative grammar

This grammar will help to validate if the syntax is well written.

< conditional >: "

Examples of direct short citation

Segundo Spinello (2024), aaa (Spinello, 2024).

Examples of direct long citation

Segundo Spinello (2024) “aaa”. bbb \enquote{texto}.

Says that “ccc” (Spinello, 2024).

The study of Rabello (2010, p. 107) ...

The study of Pargaonkar (2021) ...

The studies of Badgujar, Poulouse, and Gan (2024) and Pargaonkar (2021) são aplicadas técnicas de ...

The article of Estêvão and Estêvão (2023) ...

DIRECT AND LONG CITATION MUST BE AVOIDED IN SCIENTIFIC TEXTS.

5. Related Work

Similar Works ... (quantity – 5 works);

- **Title of article 01 (Ogliari, 2019)**

First paragraph indicates an introduction to the subject...

In the second: what the study sought to analyze, what the objective was...

In the third: what was developed, what application/experiment was carried out...

Last: what conclusions the work reached...

- **Title of article 02 (Author, year)**

First paragraph indicates an introduction to the subject...

In the second: what the study sought to analyze, what the objective was...

In the third: what was developed, what application/experiment was carried out...

Last: what conclusions the work reached...

6. Materials and Methods

Technologies, instruments, and procedures that will be used in the study. Algorithm 1 refers to the Bubblesort sorting method expressed in Python language.

Algoritmo 1. Bubblesort sorting method

```
1      def bubble_sort(alist):
2          for i in range(len(alist)-1,0,-1):
3              for j in range(i):
4                  if alist[i]>alist[i+1]:
5                      temp = alist[i]
6                      alist[i] = alist[i+1]
7                      alist[i+1] = temp
```



Figure 1. My figure

Table 3. My table

header 1	header 2
text to the left	There are many variations of Lorem Ipsum passages available, but most have undergone some form of alteration, by injecting humor, or random words that do not even seem credible enough. If you are going to use a passage of Lorem Ipsum, you must be sure that it does not contain anything embarrassing hidden in the middle of the text.

7. Results and Discussion

This section should be written in the second part of the work, known as TCC2.

8. Final Considerations

This section should be written in the second part of the work, known as TCC2.

References

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