Docogen Example

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Abstract

I went down to the river, I set down on the bank. I tried to think but couldn't, So I jumped in and sank.

1 Getting Start

Merging test

- Building your document and website together.

- New feature support. Next-line testing.

1.1 Why we create Docogen?

Why we create Docogen?

- Building your document and website together.

- Generate a beautiful introduction paper with simple command.

2 Introduction

What is Docogen?

- Building your document and website together.

- New feature support. Next-line testing.
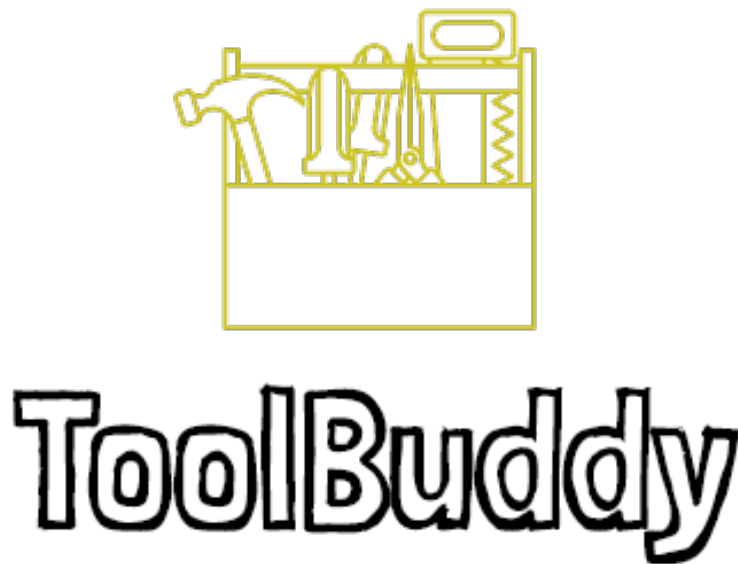
2.1 Why we create Docogen?

Why we create Docogen?

- Building your document and website together.

- Generate a beautiful introduction paper with simple command.

3 About us

What is toolbuddy[2]?

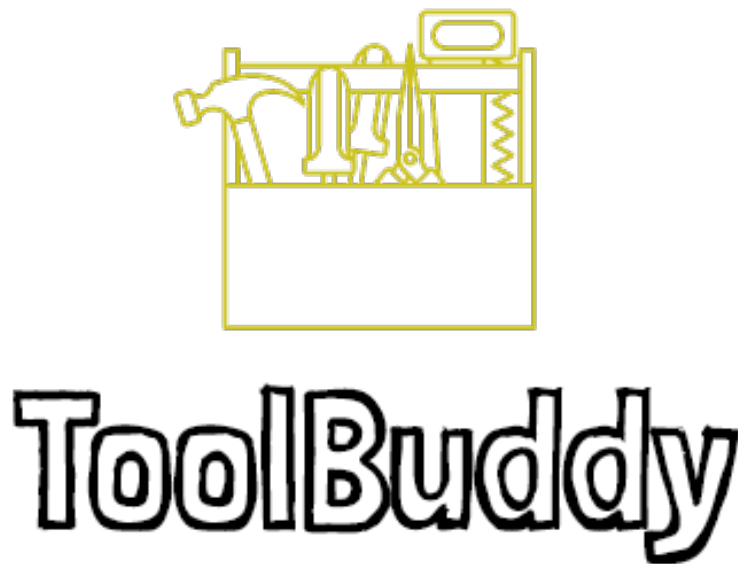- An group of good programmer that solve the problem!

SQUARESPACE.COM/LOGO – ICONS BY THE NOUN PROJECT

Figure 1: ToolBuddy logo

3.1　How to join toolbuddy?

The way:

- Just email to Kevin and pass your github ID and he will find your by himself!

Figure 2: ToolBuddy logo

4　Different usage of content

List Structure

List Structure Example:

Demo

1. List 1

   (a) List 1-1

    (b) List 1-2

        i. List 1-2-1

        ii. List 1-2-2

           A. List 1-2-2-1

    (c) List 1-3

2. List 2

List

- Listing structure append

- New feature support.

5 Table Demo

Table 1		
Name	Age	Job
Kevin	23	programmer
Eric	22	student
Lu	24	engineer
Cyu	52	professor
Lai	50	soldier

6 Code listing Demo

Code listing 1

```c
#include <stdio.h>

int main(){
return 0;}
```

Listing 1: C mini exampe

```python
import numpy as np

def incmatrix(genl1,genl2):
    m = len(genl1)
    n = len(genl2)
    M = None #to become the incidence matrix
    VT = np.zeros((n*m,1), int)  #dummy variable
```

4

```python
8
9        #compute the bitwise xor matrix
10       M1 = bitxormatrix(genl1)
11       M2 = np.triu(bitxormatrix(genl2),1)
12
13       for i in range(m-1):
14           for j in range(i+1, m):
15               [r,c] = np.where(M2 == M1[i,j])
16               for k in range(len(r)):
17                   VT[(i)*n + r[k]] = 1;
18                   VT[(i)*n + c[k]] = 1;
19                   VT[(j)*n + r[k]] = 1;
20                   VT[(j)*n + c[k]] = 1;
21
22                   if M is None:
23                       M = np.copy(VT)
24                   else:
25                       M = np.concatenate((M, VT), 1)
26
27                   VT = np.zeros((n*m,1), int)
28
29       return M
```

Listing 2: Python example

7   Formula Demo

Formula 1

Now we will introduce the basic equation usage (inline mode): $x^2 + y^2 = z^2$
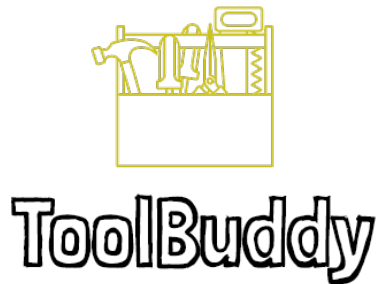Then we can see the display mode:

$$x^n + y^n = z^n$$

And about equation tag:

$$E = mc^2 \tag{1}$$

8   Image Demo

Image/Figure inside the content

Figure 3: ToolBuddy logo

9   Web extension

Restful Api support

[Online] Register New User

Method: post
Url: https://kevin.imslab.org/register
Description: Enroll new user to local service
Parameter:

Field Name	Data Type
username	String
password	String
email	String

Error Msg: duplicated internal error
Success Msg: success

[Online] Checking mail

Method: get
Url: https://kevin.imslab.org/checkmail
Description: Enroll new user to local service
Parameter:

Field Name	Data Type
email	String

- -

Error Msg: internal error
Success Msg: existed not found

References

[1] Kevin Cyu, From NCKU, personal website: https://github.com/kevinbird61

[2] ToolBuddy, A good, non-profit organization.