

Docogen Example

Kevin Cyu

kevinbird61@gmail.com

Nation Cheng Kung University

Yung-Sheng Lu

yungshenglu1994@gmail.com

Nation Chiao Tung University

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.

- Generate a beautiful introduction paper with simple command.

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.

3 About us

2 Introduction

What is Docogen?

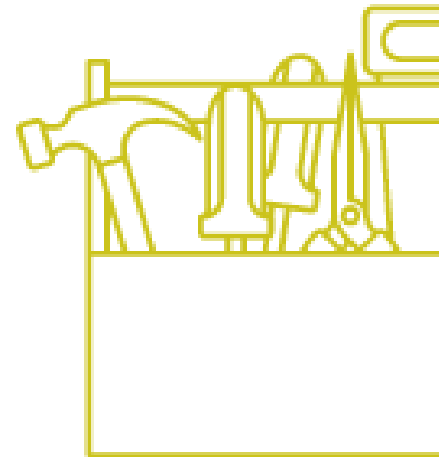
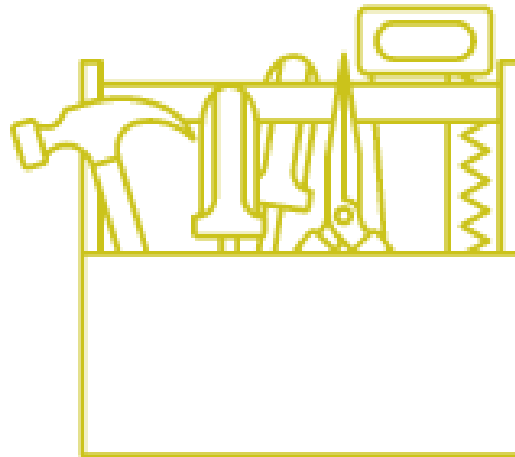
- Building your document and website together.
- New feature support. Next-line testing.

What is toolbuddy[2]?

2.1 Why we create Docogen?

Why we create Docogen?

- Building your document and website together.
- An group of good programmer that solve the problem!



ToolBuddy

SQUARESPACE.COM/LOGO – ICONS BY THE NOUN PROJECT

Figure 1: ToolBuddy logo

Figure 2: 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!

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.

```
23         M = np.copy(VT)
24     else:
25         M = np.concatenate((M, VT
26                               ), 1)
27
28         VT = np.zeros((n*m,1), int)
29     return M
```

Listing 2: Python example

5 Table Demo

Table 1		Formula 1
Name	Age	Now we will introduce the basic equation usage (in-line mode): $x^2 + y^2 = z^2$ Then we can see the display mode:
Kevin	23	programmer $x^n + y^n = z^n$
Eric	22	student
Lu	24	And about equation tag:
Cyu	52	engineer
Lai	50	professor $E = mc^2$
		soldier

7 Formula Demo

6 Code listing Demo

Code listing 1

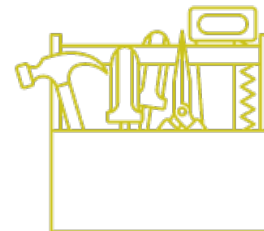
```
1 #include <stdio.h>
2
3 int main() {
4     return 0; }
```

Listing 1: C mini exampe

```
1 import numpy as np
2
3 def incmatrix(genl1, genl2):
4     m = len(genl1)
5     n = len(genl2)
6     M = None #to become the incidence matrix
7     VT = np.zeros((n*m,1), int) #dummy variable
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:
```

8 Image Demo

Image/Figure inside the content



ToolBuddy

SQUARESPACE.COM/LOGO - ICONS BY THE NOUN PROJECT

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.