

# 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?

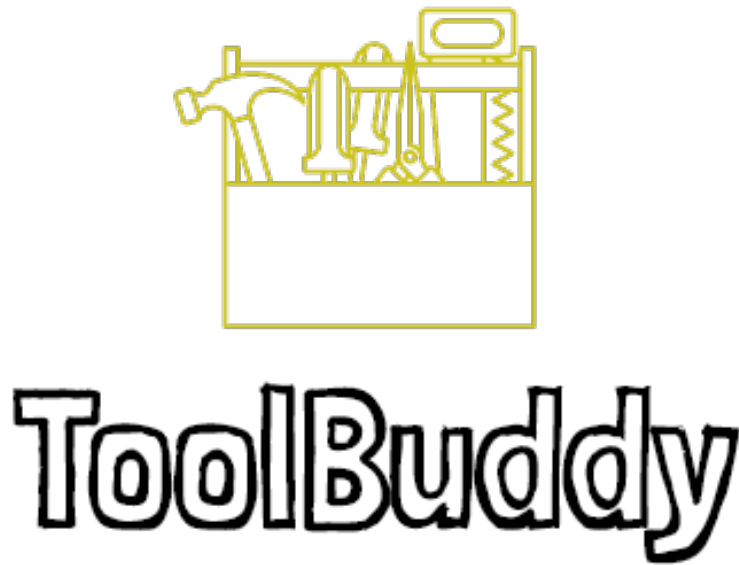
Why we create Docogen?

- 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!



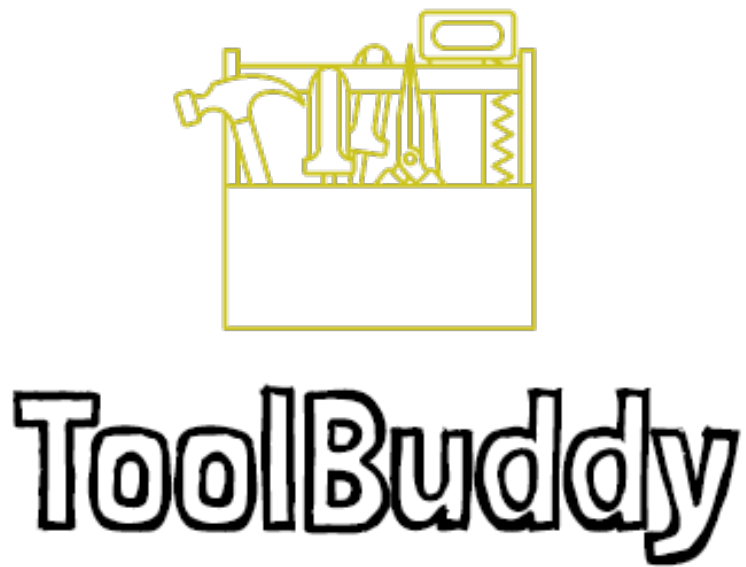
SQUARESPACE.COM/LOGO – ICONS BY THE NOUN PROJECT

Figure 1: Relative ToolBuddy logo

### 3.1 How to join toolbuddy?

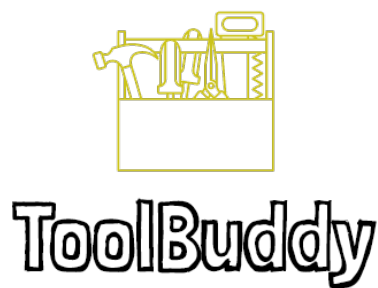
The way:

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



SQUARESPACE.COM/LOGO – ICONS BY THE NOUN PROJECT

Figure 2: Absolute ToolBuddy logo



SQUARESPACE.COM/LOGO – ICONS BY THE NOUN PROJECT

Figure 3: Sub Rel 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

```

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:
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

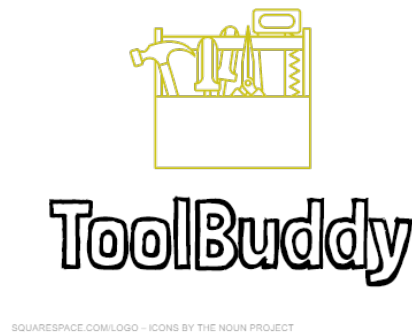


Figure 4: ToolBuddy logo

## 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

## 10 Relative Image Demo

Image/Figure Relative Test

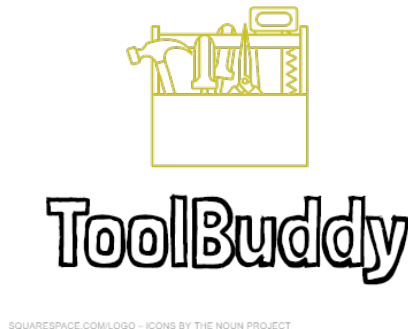


Figure 5: Test ToolBuddy logo

## References

- [1] Kevin Cyu, From NCKU, personal website: <https://github.com/kevinbird61>
- [2] ToolBuddy, A good, non-profit organization.