Docogen Example

Kevin Cyu

kevinbird61@gmail.com

Nation Cheng Kung University

Yung-Sheng Lu

yungshenglu1994@gmail.com

Nation Chiao Tung University

November 15, 2017

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?

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- 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!

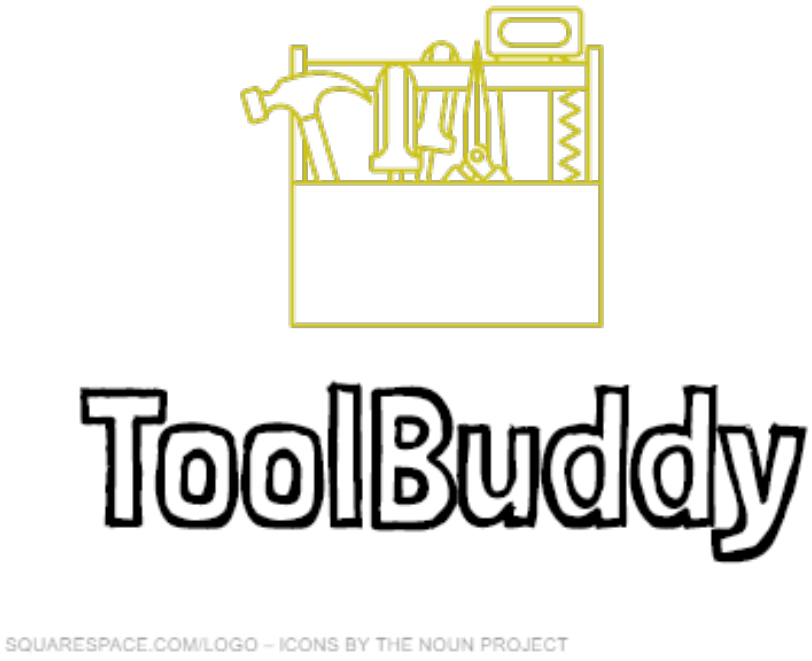

Figure 1: Relative ToolBuddy logo

3.1 How to join toolbuddy?

The way:

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

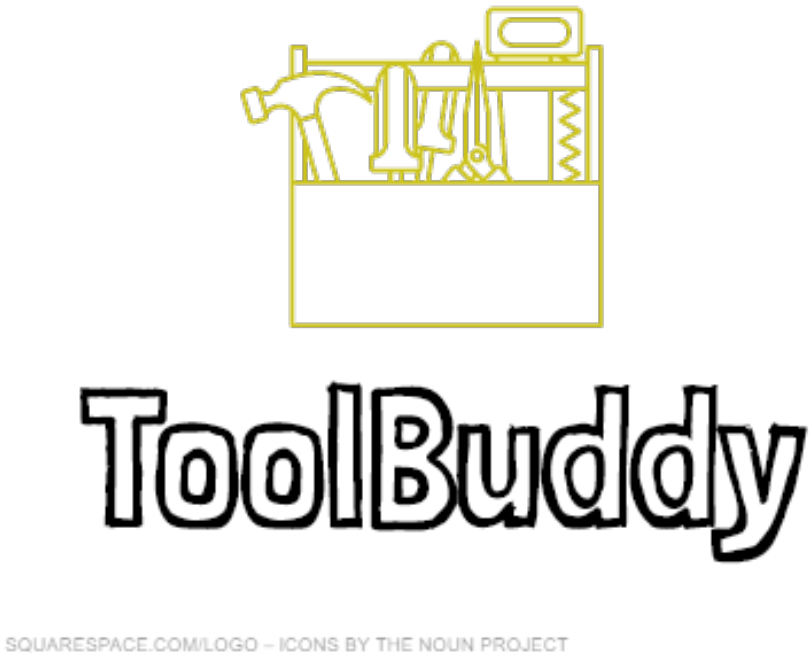

Figure 2: Absolutive ToolBuddy logo

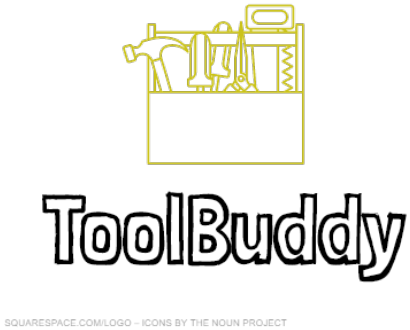

Figure 3: Sub Rel ToolBuddy logo

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

```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

    #compute the bitwise xor matrix
    M1 = bitxormatrix(genl1)
    M2 = np.triu(bitxormatrix(genl2),1)

    for i in range(m-1):
        for j in range(i+1, m):
            [r,c] = np.where(M2 == M1[i,j])
            for k in range(len(r)):
                VT[(i)*n + r[k]] = 1;
                VT[(i)*n + c[k]] = 1;
                VT[(j)*n + r[k]] = 1;
                VT[(j)*n + c[k]] = 1;

                if M is None:
                    M = np.copy(VT)
                else:
                    M = np.concatenate((M, VT), 1)

                VT = np.zeros((n*m,1), int)

    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

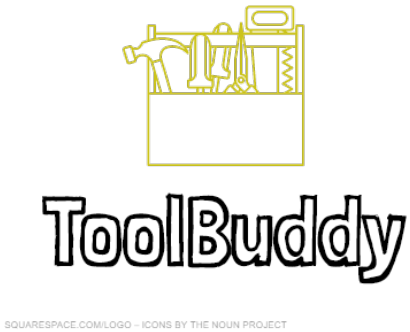

Figure 4: ToolBuddy logo

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

References

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

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