[WyPyPlus](): [WyPyPlus]()

A personal wiki in 42 lines of code

| [Github]() | [DemoPage]() | [GetThingsDone]() | [Calendar2021]() | [Presentation]() |

[WyPyPlus]() (pronounced "whippy plus") is a minimalist wiki server in 42 lines of code. It is an extension of [wypy wiki]() written by Sean B. Palmer. The original project implements a wiki in just 11 lines of Python code, which is an amazing achievement. However, wypy wiki doesn't have many features I consider as essential.

You will be amazed by how much you can do with a simple tool

- Only 42 lines of Python code.
- Run on Mac, Linux and Windows.
- Support the basic wiki syntax. [DemoPage]()
- Save plain text files under the /w folder.

To make your life easier

- An example calendar and daily journal.
- An example [GetThingsDone]() guide to help you set up GTD quickly.
- A template system to insert pre-defined content.
- Full-text search.
- A modernized and mobile-friendly look using [Sakura CSS]().
- Delete a wiki page from disk by saving an empty content.
- Each WikiPage has a reverse index. You can use this feature to group pages by tags.
- An [index page]() to show all your files in sorted order.
- AutoSave after 30 minutes of editing.
- Use @INCLUDE=WikiPage to include content from another page.
- (Optional) Syntax highlight with [highlight.js]().
- (Optional) Display [Ascii Math]() or LaTaX notations.
- (Optional) Read-only mode.
- (Optional) Include a GlobalMenu in every wiki page.

Text Formatting

- WikiNames are replaced with internal links.
- Markdown style **bold**.
- "\n{{" starts an unordered list.
- "\n* [text]" is a list item in an unordered list.
- "\n}}" ends an unordered list.
- "\n#" inserts H1.
- "\n##" inserts H2.
- "\n###" inserts H3.
- To format code or text into its own distinct block, use triple back-ticks.
- "---" creates an <hr> element.
- Markdown style [link]() and [image tag]()
- Use @INCLUDE=WikiPage at the begging of the line to include another file.
- All HTML is replaced with its quoted equivalent (i.e. is forbidden).

Install and Use

- You need Python 2 to run this application. Mac and Linux already have Python 2. For Windows users, please install Python 2.7.

- Download [WyPyPlus]() and extract it to a folder (E.g wypy_wiki).

```
cd wypy_wiki

python -m CGIHTTPServer 8000

python3 -m http.server --cgi 8000 --bind 127.0.0.1

Open this url in your browser. It takes a few moments to start.
http://127.0.0.1:8000/cgi-bin/wypyplus.py
```

How to use the read-only mode

You can modify the **edit** variable in wypyplus.py. It holds the icon of the edit button. If you set it to an empty string, [WyPyPlus]() will run in read-only mode.

In read-only mode, [WyPyPlus](#)

- Will not generate the edit link.
- Will not generate links for WikiWords when they don't exist.
- Will not handle the POST method, which means that your data is read-only.
- Will hide the search bar.

You can generate a static site using wget. The following command dumps the entire site.

```
wget \
    --recursive \
    --page-requisites \
    --html-extension \
    --convert-links1\
    --no-parent \
        http://127.0.0.1:8000/cgi-bin/wypyplus.py
```

After that, you can create an index.html with the following content to redirect the index page to the cgi-bin folder.

```
<meta http-equiv="Refresh" content="0; url='cgi-bin/wypyplus.py.html'" />
```

How to create tags

There's no difference between Tags and WikiWords. When you create a new page, there will be a link on the top of the screen to show all pages that reference it.

For example, you can create a page called ToDo, and put the word ToDo to other pages and see references here:
http://127.0.0.1:8000/cgi-bin/wypyplus?p=ToDo&q=f

How to define and use a template

You can create a template just like any other wiki page. A template name must start with "Tpl" and follow by three characters. [WyPyPlus](#) will automatically insert its content to a new wiki page when the first three characters of the page matches the template

For example, If you create a template page called TplJan, a new page called Jan23 will load the content from the template.

Links: All

- Calendar2021
- DemoPage
- GetThingsDone
- TopicOne
- TopicTwo
- WyPyPlus

Links: [Calendar2021](#)

- [Calendar2021](#)
- [GetThingsDone](#)
- [WyPyPlus](#)

[WyPyPlus](#):[Calendar2021](#)

2021 Calendar

- Click the ? mark to create a new page.
- Use the reverse index to find references of a particular date.
- Use the search bar to find any day or month.
- Use the [Today](#) link to go to today's date.
- Update calendar using the script at the end of the doc.

Jan2021

```
Mon    Tue    Wed    Thu    Fri    Sat    Sun
                            Jan1   Jan2   Jan3
Jan4   Jan5   Jan6   Jan7   Jan8   Jan9   Jan10
Jan11  Jan12  Jan13  Jan14  Jan15  Jan16  Jan17
Jan18  Jan19  Jan20  Jan21  Jan22  Jan23  Jan24
Jan25  Jan26  Jan27  Jan28  Jan29  Jan30  Jan31
```

Feb2021

```
Mon    Tue    Wed    Thu    Fri    Sat    Sun
Feb1   Feb2   Feb3   Feb4   Feb5   Feb6   Feb7
Feb8   Feb9   Feb10  Feb11  Feb12  Feb13  Feb14
Feb15  Feb16  Feb17  Feb18  Feb19  Feb20  Feb21
Feb22  Feb23  Feb24  Feb25  Feb26  Feb27  Feb28
```

Mar2021

```
Mon    Tue    Wed    Thu    Fri    Sat    Sun
Mar1   Mar2   Mar3   Mar4   Mar5   Mar6   Mar7
Mar8   Mar9   Mar10  Mar11  Mar12  Mar13  Mar14
Mar15  Mar16  Mar17  Mar18  Mar19  Mar20  Mar21
Mar22  Mar23  Mar24  Mar25  Mar26  Mar27  Mar28
Mar29  Mar30  Mar31
```

Apr2021

```
Mon    Tue    Wed    Thu    Fri    Sat    Sun
                     Apr1   Apr2   Apr3   Apr4
Apr5   Apr6   Apr7   Apr8   Apr9   Apr10  Apr11
Apr12  Apr13  Apr14  Apr15  Apr16  Apr17  Apr18
Apr19  Apr20  Apr21  Apr22  Apr23  Apr24  Apr25
Apr26  Apr27  Apr28  Apr29  Apr30
```

May2021

```
Mon    Tue    Wed    Thu    Fri    Sat    Sun
                                   May1   May2
May3   May4   May5   May6   May7   May8   May9
May10  May11  May12  May13  May14  May15  May16
May17  May18  May19  May20  May21  May22  May23
May24  May25  May26  May27  May28  May29  May30
```

Jun2021

```
Mon    Tue    Wed    Thu    Fri    Sat    Sun
       Jun1   Jun2   Jun3   Jun4   Jun5   Jun6
Jun7   Jun8   Jun9   Jun10  Jun11  Jun12  Jun13
Jun14  Jun15  Jun16  Jun17  Jun18  Jun19  Jun20
Jun21  Jun22  Jun23  Jun24  Jun25  Jun26  Jun27
Jun28  Jun29  Jun30
```

Jul2021

```
Mon    Tue    Wed    Thu    Fri    Sat    Sun
                     Jul1   Jul2   Jul3   Jul4
Jul5   Jul6   Jul7   Jul8   Jul9   Jul10  Jul11
Jul12  Jul13  Jul14  Jul15  Jul16  Jul17  Jul18
Jul19  Jul20  Jul21  Jul22  Jul23  Jul24  Jul25
Jul26  Jul27  Jul28  Jul29  Jul30  Jul31
```

Aug2021

```
Mon     Tue     Wed     Thu     Fri     Sat     Sun
                                                Aug1
Aug2    Aug3    Aug4    Aug5    Aug6    Aug7    Aug8
Aug9    Aug10   Aug11   Aug12   Aug13   Aug14   Aug15
Aug16   Aug17   Aug18   Aug19   Aug20   Aug21   Aug22
Aug23   Aug24   Aug25   Aug26   Aug27   Aug28   Aug29
```

Sep2021

```
Mon     Tue     Wed     Thu     Fri     Sat     Sun
                Sep1    Sep2    Sep3    Sep4    Sep5
Sep6    Sep7    Sep8    Sep9    Sep10   Sep11   Sep12
Sep13   Sep14   Sep15   Sep16   Sep17   Sep18   Sep19
Sep20   Sep21   Sep22   Sep23   Sep24   Sep25   Sep26
Sep27   Sep28   Sep29   Sep30
```

Oct2021

```
Mon     Tue     Wed     Thu     Fri     Sat     Sun
                                Oct1    Oct2    Oct3
Oct4    Oct5    Oct6    Oct7    Oct8    Oct9    Oct10
Oct11   Oct12   Oct13   Oct14   Oct15   Oct16   Oct17
Oct18   Oct19   Oct20   Oct21   Oct22   Oct23   Oct24
Oct25   Oct26   Oct27   Oct28   Oct29   Oct30   Oct31
```

Nov2021

```
Mon     Tue     Wed     Thu     Fri     Sat     Sun
Nov1    Nov2    Nov3    Nov4    Nov5    Nov6    Nov7
Nov8    Nov9    Nov10   Nov11   Nov12   Nov13   Nov14
Nov15   Nov16   Nov17   Nov18   Nov19   Nov20   Nov21
Nov22   Nov23   Nov24   Nov25   Nov26   Nov27   Nov28
Nov29   Nov30
```

Dec2021

```
Mon     Tue     Wed     Thu     Fri     Sat     Sun
                Dec1    Dec2    Dec3    Dec4    Dec5
Dec6    Dec7    Dec8    Dec9    Dec10   Dec11   Dec12
Dec13   Dec14   Dec15   Dec16   Dec17   Dec18   Dec19
Dec20   Dec21   Dec22   Dec23   Dec24   Dec25   Dec26
Dec27   Dec28   Dec29   Dec30   Dec31
```

How to update it

This page was generated by the following code. You can call print_cal with a different year and copy the output over.

```python
import calendar, datetime
name=["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]
def print_cal(year):
    for month in range(1,13):
        print "### " + calendar.month_abbr[month] + str(year)
        print ''
        print '```'
        first_day = datetime.date(year,month,1).weekday()
        cal = []
        cal.append(''.join(["%-7s"%n for n in name]))
        num_days = calendar.monthrange(year, month)[1]
        current_day = 1
        start = False
        for week in range(5):
            if current_day > num_days:
                break
            line = []
            for day in range(7):
                if start == False and day != first_day:
                    line.append("       ")
                    continue
                else:
                    start = True
                if start:
                    line.append((calendar.month_abbr[month]+str(current_day)).ljust(6))
                    current_day +=1
                if current_day > num_days:
                    break
            cal.append(''.join(line))
        print '\n'.join(cal)
        print '```'

print_cal(2021)
```

Links: DemoPage

- DemoPage
- WyPyPlus

[WyPyPlus](#):[DemoPage](#)

Header 1

Header 2

Header 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

[WyPyPlus](#) can generate headline anchor links. If you want to turn on this feature, replace the headline function:

```
hl=lambda m,n:'<h%d>%s</h%d>'%(n,m.group(1),n)
```

with

```
hl=lambda m,n:'<h%d id=%s>%s<a href=#%s> ¶</a></h%d>'%(n,hs(m),m.group(1),hs(m),n);
```

Bold

This is a **Bold** text!

Ascii Math with [Math Jax](#) (Optional)

Insert the following line to the <head> section at the end of wypyplus.py to show AsciiMath.

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.4/latest.js?config=AM_CHTML"></script>
```

` x=(-b +- sqrt(b^2 – 4ac))/(2a) `

Synatx Highlight with [highlight.js](#) (Optional)

Insert the following line to the <head> section at the end of wypyplus.py to support synatx highligh for over 150 languages.

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.1.0/styles/default.min.css">\
<script src="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.1.0/highlight.min.js"></script><script>hljs.highlightAll();</script>
```

Links

List all files in this wiki: [All](#)

Wiki link: [DemoPage](#)

Raw URL link: http://www.google.com

Markdown link: [google homepage](#)

Reference to a date or a month: Jan1 Jan2021

Template

A template is a page with a special name: Tpl[three characters]. A page starts with the same three characters will use the template.

For example, when you create TplJan, Any page starts with "Jan" such as Jan21 will include the template.

Images

YouTube Video:

External image:

Local image:

Quote

```
# Python Code
def hello():
    print("hello world")
```

list

- Item A

    - Item A1
    - Item A2
- Item B

Page Break

Links: **GetThingsDone**

- GetThingsDone
- WyPyPlus

WyPyPlus:GetThingsDone

What is GTD

Getting Things Done (GTD) is actually two things: A productivity method, and a best-selling book by author and productivity consultant David Allen.

It is a framework for organizing and tracking tasks, such that you can 100% trust that the things on your to do list truly are the things you need to do.

The built-in Calendar

WyPyPlus comes with a built-in calendar: Calendar2021. You can create pages for important dates or put date or month in other documents as tags.

Create Pages and Tags

Click the ? marks at the end of each word to create them.

InBox

NextAction

WaitingFor

MyProjects

MyReferences

SomeDay

TrashBin

You can create tag pages and add them anywhere in other wiki pages. Later, you can find all the references by using the reverse index.

Here are a few example tags: AtHome, AtOffice, HaveDone, ToDay, ThisWeek, ThisMonth, May04

Add a Shortcut Menu.

Jumping between pages could be a hassle. For easy access, you can put a group of links in a file and include it in other files.

Create a GtdMenu page and copy the following links:

```
InBox | NextAction | MyProject | WaitingFor | [Today]{wypyplus.py?p=Today}
```

Now you can put @INCLUDE=GtdMenu on other pages. Note that **Today** is special page name maps to the wiki page of the day.

Add a Template Page

You can use template to put pre-defined text to new wiki pages. A template starts with "Tpl" and follows by three characters. It will match a page if the page starts with the same three characters. For example, if you create a page called TplJul with the following content:
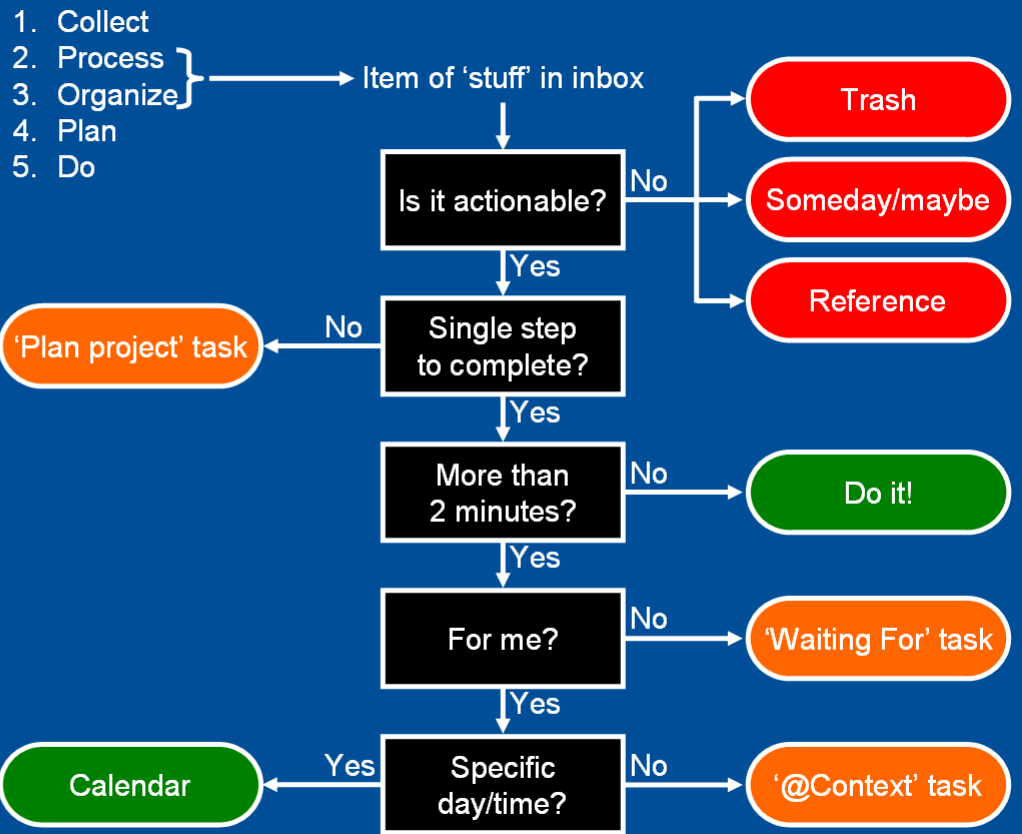
- My Priority
- My Accomplishments

When you create a new page Jul04, WyPyPlus will use the template.

Workflow

The GTD workflow consists of five stages: capture, clarify, organize, reflect, and engage.

- Capture: Collect what has your attention. ...
- Clarify: Process what it means. ...
- Organize: Put it where it belongs. ...
- Reflect: Review frequently. ...
- Engage: Simply do.

Happy GTD.

Links: Jul28

- Calendar2021

WyPyPlus:Jul28

Jul28

Links: [TopicOne](#)

- [TopicOne](#)
- [TopicTwo](#)
- [WyPyPlus](#)

[WyPyPlus](#):[TopicOne](#)

[TopicTwo](#)

You can easily turn [WyPyPlus](#) Wiki into a presentation tool with the following steps:

- Add more pages and content. You can put links on the top of every page for easy navigation.
- Modify the **home** variable in wypyplys.py to set a title for your presentation.
- Turn on read-only mode by setting the **edit** variable to empty. It will hide the edit button and the search bar.

Links: [TopicTwo](#)

- [TopicOne](#)
- [TopicTwo](#)

[WyPyPlus](#):[TopicTwo](#)

[TopicOne](#)

Optionally

- Include a video

- Support Ascii Math notation with

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.4/latest.js?config=AM_CHTML"></script>
```

- Include a code snippet with [syntax highlight](#)

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.1.0/styles/default.min.css">\
<script src="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.1.0/highlight.min.js"></script><script>hljs.highlightAll();</script>
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[WyPyPlus](#):[TopicTwo](#)

[TopicOne](#)

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Links: [WyPyPlus](#)

- [DemoPage](#)
- [GetThingsDone](#)
- [TopicOne](#)
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