



ZOOM AUTOJOINER GUI

User Manual



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Introduction

TL;DR A tool to join Zoom meetings quickly. Comes with a GUI. Prior configuration needed.

Goals

- To serve as a meeting notice board (see Todo)
- To remind that it is time to join a meeting
- To aid in typing long meeting IDs and passcodes

Use Scenario

You are working on an assignment, and you are so focused that you forget that your meeting is now. When you realise that you had the meeting, you open WhatsApp Web to get the passcode and ID. It takes 10 minutes to load, only to show you that it can't connect to the phone. Now you scramble about for your cell phone. You are furious as Fingerprint Unlock fails. Finally, you copy the Meeting ID to the Zoom interface, enter the passcode wrongly once, and join the meeting. Once you join, you realise that you have joined in your mother's account.

Now you found this. You just add your meeting in the intuitive interface and BAM! When it is time, you will find your cursor automatically moving, and you will now remember about the meeting, and you can get ready while we do the clicking for you!

What **not** to use this program for

- Overloading Zoom Servers with Join Meeting requests
- Attending your classes/meetings on your behalf
- Other uses that do not fit in to the goals of this program

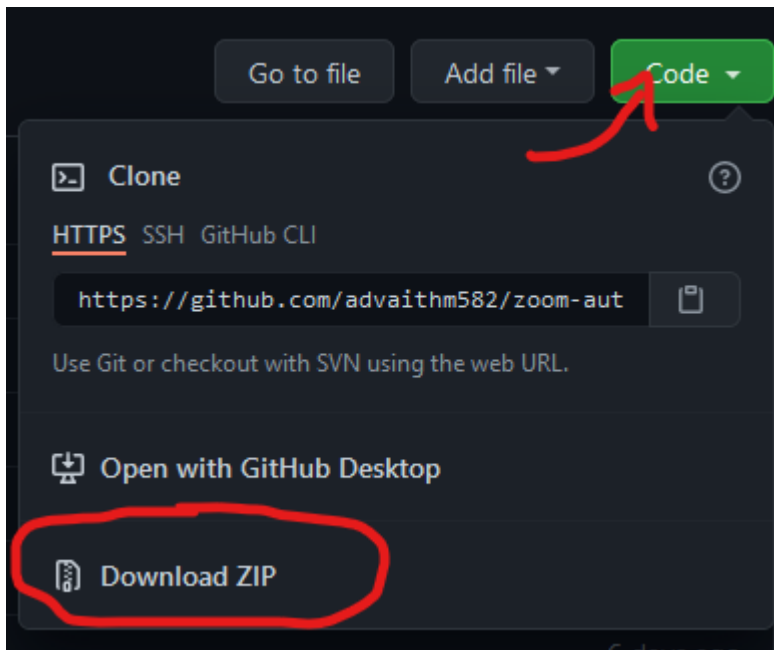
Installation

Python installation

1. Go to <https://www.python.org/ftp/python/3.9.6/python-3.9.6-amd64.exe>.
2. In the installation options, choose Advanced.
3. Ensure Add to PATH, Tcl/TK is selected, and press Next.
4. Once setup is finished, disable max path length limit.

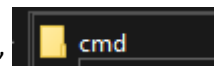
GitHub Download

1. In the repository, select the green 'Code' button and click 'Download ZIP'. Unzip the folder once done.



Installing dependencies

2. In the folder, in the address bar, type 'cmd'
3. In Command Prompt, type `pip install -e .`
4. Wait for the installation to complete.





Creating the logs folder

ZAJ needs a place to store application logs. Inside the `zoom_autojoiner_gui` folder, create another folder called `logs`.

Configuration

Adding the screenshots

Add the following screenshots in a folder `images` in `zoom_autojoiner_gui`. Don't forget to pin Zoom to the taskbar.

File Name	Description of the screenshot	Example
zoom_taskbar.png	A picture of Zoom in the taskbar.	
join_btn.png	A picture of the blue Join button in the Zoom home screen. to the right of orange New Meeting.	
name_box.png	A picture of your name in the Join meeting box. Below the Meeting ID prompt.	
join_btn_after_mtg_id.png	The Join Meeting button in the Meeting ID page.	
Join_meeting_btn.png	The Join Meeting button in the Enter Passcode page.	

Configuration file

Please configure the JSON file `config.json`.

Key	Value
ICON_FILE	The File used by Tcl/Tk to display the favicon. Do not change this unless you wish to change the favicon.
PYAG_PICS_DIR	This directory contains all `.png` files required for the Autojoiner to function. See below for instructions.
DB_URL	SQLAlchemy DB URI to be used. You can also connect to a common database server and then, Whoa! You have a network-wide Meeting Notice Board!
THEME_FILE	A simple theme file to change the appearance of the window. You can meddle around with the colors, fonts, etc.
MY_NAME	The name Autojoiner will change to when you join the meeting. Required.

Launching the Application

On most systems, double-clicking `__init__.py` will do the trick. Or else, create a bat file to do the same:

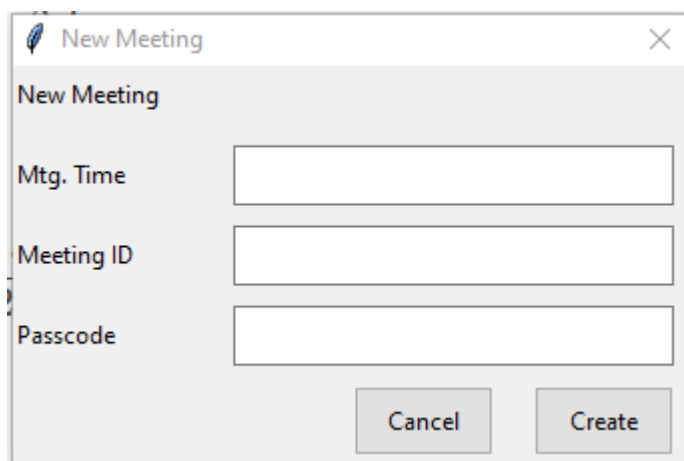
For windows:

```
CD zoom_autojoiner_gui
py __init__.py
```

Or else, compile using PyInstaller.

Adding a meeting

To add a meeting, go to Meetings -> Add meeting.



Field	Value
Mtg. Time	The time of the meeting in ISO format e.g 2021-01-01 17:00:30
Meeting ID	11 – digit Meeting ID
Passcode	Meeting Passcode

Updating/Deleting a meeting

Click *Edit Meeting* on the desired meeting and follow same procedure as above.

To delete a meeting, select the Delete option.

What to do in case the Autojoiner fails

- Use the *Join Meeting* button to join the meeting.
- In case the autojoiner fails multiple times, try one of the following:
 - Recalibrate the autojoiner by retaking the screenshots.
 - Ensure Zoom is pinned to the taskbar.
 - Open the error log (the bottom most one) and search for *traceback* to find the error.
 - Report a bug, and if you can fix it, fork, fix and open a PR.
- ZAJ doesn't work when the computer is sleeping.

Appendix

Compile using PyInstaller

1. Use the following command to install PyInstaller: *pip install pyinstaller*
2. Create a file *ZoomAutojoinerGUI.py* with the following content:

```
1. import logging
2. from datetime import datetime
3.
4. # I am here because the ZAJ module has some logging work to do..
5. logging.basicConfig(filename='logs/%s.log' % (datetime.now().strftime("%Y%m%d%H%M%S")), filemode='w', format='[%asctime)s] [%name)s:%(levelname)s] [pid:%(process)d, tid:%(thread)d] %(message)s', datefmt='%c', level=logging.DEBUG)
6.
7. from zoom_autojoiner_gui.views import MainWindow
8.
9. if __name__ == "__main__":
10.     logger = logging.getLogger(__name__)
11.     try:
12.         # logger.info('Attempting to initialise High DPI awareness')
13.         from ctypes import windll
14.         windll.shcore.SetProcessDpiAwareness(1) # High DPI
15.     except:
16.         logger.warning('Windows - Failed to enable High DPI awareness. Maybe not on Windows?')
17.     else:
18.         logger.info('Windows - High DPI awareness Enabled')
19.
20.     try:
21.         # logger.info('Attempting to initialise Window')
22.         window = MainWindow()
23.     except Exception as e:
24.         logger.error("Failed to initialise window, exiting...", exc_info=True)
25.         exit(1)
26.     else:
27.         logger.info("Window has been initialised.")
28.
```

```
29. window.mainloop()
```

3. Now use the following command to compile Zoom Autojoiner into an executable:

```
pyinstaller ZoomAutojoinerGUI.py --onedir -i=ZoomAJIcon.ico --noconsole
```
4. Go to *dist/ZoomAutojoinerGUI* folder and follow the instructions from Creating the logs folder.
5. Now copy *ZoomAJIcon.ico*, *default_theme.thm.json*, *config.json*.
6. To run the application, just double-click the Executable file. Feel free to create a shortcut.

Network Notice Board

1. Run *pip install pymysql*
2. Change the *SQLALCHEMY_DB_URI* to
mysql+pymysql://<username>:<password>@<IP>/<database>

Where,

Field	Value
Username	MySQL username
Password	MySQL password
IP	IP address
Database	Name of DB in mysql. Please create one.