

# Workflow Assistant

*Workflow Assistant* contains functionality for automating repetitive workflow tasks. At the moment, this includes populating folder directories, unzipping password-protected .zip files (using 7-Zip), and editing .docx files (using a custom class, EditDocx, based on the *python-docx* library) -- editing functionality currently includes parsing tables/paragraphs, inserting/replacing text, inserting images, and finding/toggling checkboxes. *Workflow Assistant* contains a custom standalone GUI application using python's native tkinter library to automate an example of a specific workflow task (*application.py*) -- the application can be easily extended to include additional functionality and accommodate different workflow tasks. The application's dependencies are included in *requirements.txt*.

## Requirements

- Python 3.11.1 ([Download Here](#))
- 7-Zip ([Download Here](#))
- OS: Windows 10

## Installation

1. Download this repo
2. Edit *config.json* (*update username, paths, and keys to reflect your project install*)
3. Edit python path in *application.bat* (*update path to reflect your python 3.11.1 install*)

(optional)

4. Create .vbs shortcut (*right-click on application.vbs > create shortcut*)
5. Add icon to .vbs shortcut (*right-click on application.vbs - shortcut > properties > shortcut tab > change icon > browse > select icon.ico from application folder*)
6. change shortcut target (*right-click on application.vbs - shortcut > properties > shortcut tab > prepend wscript to target -- see [Stack Overflow Answer](#)*)
7. pin shortcut to taskbar (*drag and drop application.vbs to taskbar*)

## Running the application

- Run the application by running *application.vbs* (*double-click on application.vbs or application.vbs - shortcut*)
- *application.vbs* executes *application.bat* in a windowless shell -- *application.bat* automates the process of setting up the virtual environment needed to run *application.py* and then runs it with the appropriate python version.
- The first time running the application may take longer due to installation of project dependencies.