Step-By-Step to download and run the code on Windows

1. Download a code editor. I used [visual studio (VS) code](https://code.visualstudio.com/) but any you are comfortable with will work. VS code is available in the company portal.
2. Install Git (should be in company portal)
3. Clone Git repository within code editor
4. Download newest python from <https://www.python.org/downloads/>
5. Find API keys stored in Keeper Vault and put them into afile.py
6. Activate virtual environment using script ‘ .\env\Scripts\activate’
   1. More info on creating and activating Venv [here](https://packaging.python.org/en/latest/guides/installing-using-pip-and-virtual-environments/)
7. Run python app.py to activate gui
8. If returns “No python found at…” move python to that folder because the program is searching for python using that path. Repeat step 7.

To commit:

1. Go to source control, input commit message, press “commit” then “sync”
2. If it returns an error, configure git email and username (should tell you commands in terminal output)
3. If returns error saying no Git command exists, open system variables
4. Add variables “C:/Program Files/Git/cmd/” and “C:/Program Files/Git/bin/”
5. Complete step 2 again and then step 1.

### Creating executable

1. Try to run [Auto-Py-to-Exe](https://pypi.org/project/auto-py-to-exe/). If it doesn’t work, run ‘pip install auto-py-to-exe’
2. Run Auto-Py-to-Exe by running script ‘auto-py-to-exe’
3. Optional: Import ConfigForExe at bottom of GUI (this may or may not work depending on needed changes to application). Alternatively follow steps 4 - 9 instead.
4. Select app.py for main script
5. Select One directory and Window Based
   1. Do console based if troubleshooting app. Will display errors on the console.
6. Add the Barcode\_icon.ico in icon section
7. Add file barcode.png to additional files
8. Under advanced, change name to ‘AssetTagger’
9. Under settings, make sure it is directed to the output folder of the repository (unless decided otherwise) and select export config to JSON file to keep a record of the creation of the executable
10. Select ‘CONVERT .PY TO .EXE’

### Creating Installer

1. Download [Inno Setup](https://jrsoftware.org/isdl.php)
2. Optional: Modify InstallerScript (this would likely take some expertise of how the script works)
3. Otherwise: Launch Inno Setup Compiler
4. Follow the tutorial [here](https://www.geeksforgeeks.org/convert-python-code-to-a-software-to-install-on-windows-using-inno-setup-compiler/)