Pipfile

[[source]]  
url = "https://pypi.org/simple"  
verify\_ssl = true  
name = "pypi"  
  
[packages]  
python-docx = "\*"  
termcolor = "\*"  
  
[dev-packages]  
pyinstaller = "\*"  
  
[requires]  
python\_version = "3"  
  
[scripts]  
build = "pyinstaller --onefile --distpath . bundle.py"

README.md

# Python Homework Bundler  
Bundles Python project files into .docx documents for submission to Canvas LMS  
  
## Using the bundler...  
  
Place the bundler executable in the same folder as your homework and run the app!  
  
The \*\*bundle.exe\*\* executable will produce a \*\*bundle.docx\*\* file for submission.  
  
## Building the bundler...  
  
 pipenv install --dev  
 pipenv run build

bundle.py

import os  
import sys  
from glob import glob  
from docx import Document  
from docx.shared import Inches, Pt  
from termcolor import colored  
  
# https://community.canvaslms.com/t5/Instructor-Guide/What-types-of-files-can-be-previewed-in-Canvas/ta-p/607  
  
if getattr(sys, 'frozen', False):  
 app\_path = os.path.dirname(sys.executable)  
elif \_\_file\_\_:  
 app\_path = os.path.dirname(\_\_file\_\_)  
os.chdir(app\_path)  
  
types = [  
 '\*\*/\*.md', '\*\*/Pipfile', '\*\*/Procfile',  
 '\*\*/\*.py', '\*\*/\*.htm', '\*\*/\*.html', '\*\*/\*.css',  
 '\*\*/\*.csv', '\*\*/\*.json', '\*\*/\*.xml',  
 '\*\*/\*.png', '\*\*/\*.jpg', '\*\*/\*.gif',  
]  
  
files = []  
for t in types: files.extend(glob(t, recursive=True))  
files = sorted(files)  
  
document = Document()  
sections = document.sections  
for section in sections:  
 section.top\_margin = Inches(0.5)  
 section.bottom\_margin = Inches(0.5)  
 section.left\_margin = Inches(0.5)  
 section.right\_margin = Inches(0.5)  
  
print("Bundling files...\n")  
for file in files:  
 if 'build' in file or 'dist' in file or '\_\_' in file: continue  
 if 'manage.py' in file or 'asgi.py' in file or 'wsgi.py' in file: continue  
 print(f" - {file}")  
 h = document.add\_heading(file, 0)  
 h.style.font.size = Pt(16)  
 h.style.font.bold = True  
 if '.png' in file.lower() or '.jpg' in file.lower() or '.gif' in file.lower():  
 document.add\_picture(file, width=Inches(7.5))  
 else:  
 with open(file, 'r', encoding='utf-8', errors='ignore') as f:  
 p = document.add\_paragraph(f.read())  
 p.style.font.size = Pt(8)  
 p.style.font.name = 'Courier New'  
 p.style.font.bold = True  
 document.add\_page\_break()  
  
document.save('bundle.docx')  
  
input("\nPress Enter to close... ")

python.jpg

