# Pre-requisites

Python 3.5.6

Pandas, Beautiful Soup 4, Selenium, TextBlob, PyQt5, Tkinter, and Matplotlib

Jupyter if you want to view the prototype work

# Running the TraderGUI.exe

If you are only running the all in one exe, you will not need to worry about installing anything. Simply create a location for the TraderGUI.exe, copy the exe to that location and run the TraderGUI.exe file.

The traderGUI.exe was too big to post to GitHub. You can find it on a shared folder on Google Drive - <https://drive.google.com/open?id=1i3G1h1ii2G_uK5Dk2JWjiW12kt6tTcc2>. Download this to your location specified above. There is also a test CSV file in that location that can be used for testing. Chromedriver will need to be downloaded prior to execution as well. It is best to perform a search for this before execution of the exe.

# Installing the Build Environment

## Expert Level

There is a common saying among GitHub users, “Git Pull and Pray”. Seasoned users will be able to go to GitHub (<https://github.com/dglennon20/TraderSA>) and Clone or download code. After this there may be some trial and error to get it to run. If you are not familiar with this, read on.

## Installing Python

There are several ways to approach this. Anaconda is my preferred method, but it is a large program. Installing just python 3.7.1 should suffice for using this application, but was not used or tested for this application.

## Anaconda

A more robust solution is to install Anaconda instead of the above python. Anaconda provides the command prompt and Anaconda Navigator for package management as well as python.

Install the latest Anaconda (with Python 3.7)

Using the start menu button launch the Anaconda Command Prompt as Administrator.

Install additional components:

* Selenium - conda install selenium,
* TextBlob – (does not default install), must use *conda install -c conda-forge textblob*
* Chromedriver.exe – <https://chromedriver.storage.googleapis.com/index.html?path=2.44/>

## GitHub

Navigate to the location of TraderSA (<https://github.com/dglennon20/TraderSA>) I use GitHub Desktop. I cloned it to the profile documents\github\TraderSA folder.

# Appendix

## Python/Anaconda Stack

absl-py==0.4.1

alabaster==0.7.11

altgraph==0.15

anaconda-client==1.7.2

anaconda-navigator==1.8.4

anaconda-project==0.8.2

appdirs==1.4.3

asn1crypto==0.24.0

astor==0.7.1

astroid==2.0.4

astropy==3.0.4

atomicwrites==1.2.1

attrs==18.2.0

Automat==0.7.0

Babel==2.6.0

backcall==0.1.0

backports.functools-lru-cache==1.5

backports.shutil-get-terminal-size==1.0.0

beautifulsoup4==4.6.3

bitarray==0.8.3

bkcharts==0.2

blaze==0.11.3

bleach==2.1.4

bokeh==0.13.0

boto==2.49.0

Bottleneck==1.2.1

certifi==2018.8.24

cffi==1.11.5

chardet==3.0.4

click==6.7

cloudpickle==0.5.5

clyent==1.2.2

colorama==0.3.9

comtypes==1.1.7

conda==4.5.11

conda-build==3.15.1

constantly==15.1.0

contextlib2==0.5.5

cryptography==2.3.1

cycler==0.10.0

Cython==0.28.5

cytoolz==0.9.0.1

dask==0.19.2

datashape==0.5.4

decorator==4.3.0

defusedxml==0.5.0

distributed==1.23.2

docutils==0.14

entrypoints==0.2.3

et-xmlfile==1.0.1

fastcache==1.0.2

filelock==3.0.8

Flask==1.0.2

Flask-Cors==3.0.6

future==0.16.0

gast==0.2.0

gevent==1.3.6

glob2==0.6

greenlet==0.4.15

grpcio==1.12.1

h5py==2.7.1

heapdict==1.0.0

html5lib==1.0.1

hyperlink==18.0.0

idna==2.7

imageio==2.4.1

imagesize==1.1.0

incremental==17.5.0

ipykernel==4.10.0

ipython==7.0.1

ipython-genutils==0.2.0

ipywidgets==7.4.1

isort==4.3.4

itsdangerous==0.24

jdcal==1.4

jedi==0.12.1

Jinja2==2.10

jsonschema==2.6.0

jupyter==1.0.0

jupyter-client==5.2.3

jupyter-console==5.2.0

jupyter-core==4.4.0

jupyterlab==0.34.9

jupyterlab-launcher==0.13.1

Keras==2.2.2

Keras-Applications==1.0.4

Keras-Preprocessing==1.0.2

keyring==13.2.1

kiwisolver==1.0.1

lazy-object-proxy==1.3.1

libarchive-c==2.8

llvmlite==0.24.0

locket==0.2.0

lxml==4.2.5

macholib==1.11

Markdown==2.6.11

MarkupSafe==1.0

matplotlib==2.2.3

mccabe==0.6.1

menuinst==1.4.14

mistune==0.8.3

mkl-fft==1.0.6

mkl-random==1.0.1

mock==2.0.0

more-itertools==4.3.0

mpmath==1.0.0

msgpack==0.5.6

multipledispatch==0.6.0

nbconvert==5.3.1

nbformat==4.4.0

networkx==2.1

nltk==3.3

nose==1.3.7

notebook==5.6.0

numba==0.39.0

numexpr==2.6.8

numpy==1.15.2

numpydoc==0.8.0

odo==0.5.1

olefile==0.46

openpyxl==2.5.6

packaging==17.1

pandas==0.23.4

pandocfilters==1.4.2

parso==0.3.1

partd==0.3.8

path.py==11.1.0

pathlib2==2.3.2

patsy==0.5.0

pbr==4.2.0

pefile==2018.8.8

pep8==1.7.1

pickleshare==0.7.4

Pillow==2.9.0

pkginfo==1.4.2

pluggy==0.7.1

ply==3.11

prometheus-client==0.3.1

prompt-toolkit==2.0.7

protobuf==3.5.2

psutil==5.4.7

py==1.6.0

py2exe==0.9.2.2

pyasn1==0.4.4

pyasn1-modules==0.2.2

pycodestyle==2.4.0

pycosat==0.6.3

pycparser==2.19

pycrypto==2.6.1

pycurl==7.43.0.2

pyflakes==2.0.0

Pygments==2.2.0

PyHamcrest==1.9.0

PyInstaller==3.3.1

pylint==2.1.1

pyodbc==4.0.24

pyOpenSSL==18.0.0

pyparsing==2.2.1

PyQt5==5.9.2

PyQt5-sip==4.19.13

PySocks==1.6.8

pytest==3.8.1

pytest-arraydiff==0.2

pytest-astropy==0.4.0

pytest-doctestplus==0.1.3

pytest-openfiles==0.3.0

pytest-remotedata==0.3.0

python-dateutil==2.7.3

pytz==2018.5

PyWavelets==1.0.0

pywin32==223

pywinpty==0.5.4

PyYAML==3.13

pyzmq==17.1.2

QtAwesome==0.4.4

qtconsole==4.3.1

QtPy==1.5.0

requests==2.19.1

rope==0.11.0

ruamel-yaml==0.15.46

scikit-image==0.13.1

scikit-learn==0.20.0

scipy==1.1.0

seaborn==0.9.0

selenium==3.14.1

Send2Trash==1.5.0

service-identity==17.0.0

simplegeneric==0.8.1

singledispatch==3.4.0.3

sip==4.19.8

six==1.11.0

snowballstemmer==1.2.1

sortedcollections==1.0.1

sortedcontainers==2.0.5

Sphinx==1.7.9

sphinxcontrib-websupport==1.1.0

spyder==3.3.0

spyder-kernels==0.2.6

SQLAlchemy==1.2.11

statsmodels==0.9.0

style==1.1.0

sympy==1.2

tables==3.4.2

tblib==1.3.2

tensorboard==1.10.0

tensorflow==1.9.0

termcolor==1.1.0

terminado==0.8.1

testpath==0.3.1

textblob==0.15.1

tflearn==0.3.2

toolz==0.9.0

tornado==5.1.1

tqdm==4.26.0

traitlets==4.3.2

Twisted==18.7.0

typed-ast==1.1.0

unicodecsv==0.14.1

update==0.0.1

urllib3==1.23

wcwidth==0.1.7

webencodings==0.5.1

Werkzeug==0.14.1

widgetsnbextension==3.4.1

win-inet-pton==1.0.1

win-unicode-console==0.5

wincertstore==0.2

wrapt==1.10.11

xlrd==1.1.0

XlsxWriter==1.1.1

xlwings==0.11.8

xlwt==1.3.0

zict==0.1.3

zope.interface==4.5.0