

Requirements:

1. Setup a Python virtual environment:

```
python3 -V  
sudo apt install python3-venv  
python3 -m venv myvenvName  
source myvenvName/bin/activate (Ubuntu)  
myvenvName/Scripts/activate (Windows)
```

2. Install required Python Packages:

```
pip install python-telegram-bot
```

3. Install flask:

```
pip install flask
```

4. Install Python Client for Dialogflow:

```
pip install dialogflow  
pip install google-cloud-dialogflow
```

5. Install gnewsclient

```
pip install gnewsclient
```

Deployment

```
pip install gunicorn
```

- **runtime.txt** - python version (Python 3.8.8)
- **Procfile** - run command for heroku (web gunicorn newsbot:app)
- **requirements.txt** - contains all dependencies for the environment (pip freeze > requirements.txt)
- **.gitignore** - what kind of files to ignore

```
myvenv/  
*.pyc
```

- **Install heroku cli**- sudo snap install --classic heroku
- heroku create get-informed-newsbot
- heroku buildpacks:set heroku/python (tell heroku that it is a python app)
- git push heroku master (after changing ngrok-webhook url to heroku-url)