

First install the various packages: flask, gunicorn...

And sign up a heroku account

Run locally:

1. Open terminal, `cd to functional_tool_2.0`
2. Enter `"python3 process.py"` to run
3. Open a browser and copy the link after "Running on", e.g. `http://127.0.0.1:5000/`
4. Upload the XML/PDF file according to the prompts on the web page, and click "upload". Uploaded files will be automatically saved to a folder called "uploaded\_folder"; output zip files will be automatically saved to a folder called "csv\_folder"
5. The compressed package contains four files that the clients need
6. If you upload an XML file, the page will display output
7. Click "download" to download the output zip files to local
8. Press CTRL+C to quit

Heroku:

Deploying with Git: <https://devcenter.heroku.com/articles/git>

Deploying Flask to Heroku: <https://www.youtube.com/watch?v=pmRT8QQLqk>

In short:

1. Open terminal, `cd to functional_tool_2.0`
2. Make an application on Heroku, set appname...
3. In terminal, `heroku login`
4. `git init`
5. `heroku git:remote -a appname`
6. `git add .`
7. `git commit -m "..."`
8. `git push heroku master`
9. Open a browser, <https://appname.herokuapp.com>
10. If there are any problems, find errors through: `heroku logs --tail`

Others: Heroku will automatically install the packages you included in requirement.txt, you can generate requirement.txt through: `pip freeze > requirement.txt`.

<https://devcenter.heroku.com/articles/python-pip>

Also, your app folder should include a Procfile that specifies the commands that are executed by the app on startup. The Procfile is always a simple text file that is named Procfile without a file extension. For example, Procfile.txt is not valid.

The Procfile must live in your app's root directory. It does not function if placed anywhere else.

<https://devcenter.heroku.com/articles/procfile>