Set up SSL Cert:

CMD: openssl req -x509 -newkey rsa:4096 -nodes -out cert.pem -keyout key.pem -days 365

Run Parameters: run --cert=cert.pem --key=key.pem --host=0.0.0.0

Run flask form cmd:

C:\Users\ljp\PycharmProjects\COMP6013-containers\containers>..\venv

'..\venv' is not recognized as an internal or external command,

operable program or batch file.

C:\Users\ljp\PycharmProjects\COMP6013-containers\containers>..\venv\Scripts\activate

(venv) C:\Users\ljp\PycharmProjects\COMP6013-containers\containers>where flask

C:\Users\ljp\PycharmProjects\COMP6013-containers\venv\Scripts\flask.exe

(venv) C:\Users\ljp\PycharmProjects\COMP6013-containers\containers>flask run --cert=cert/CA/localhost/localhost.crt --key=cert/CA/localhost/localhost.decrypted.key --host=0.0.0.0

(plug phone in)

Debugging on USB requires port forward/reversing in Android Studio Terminal  
> adb reverse tcp:5000 tcp:5000

Windows Batch File : run\_containers\_server.bat (COMP6013-containers\containers)

Instructions for creating certificates:

<https://www.section.io/engineering-education/how-to-get-ssl-https-for-localhost/>