

使用 yoloV5 進行多目標偵測以檢測西藥

Western Medicine Analyzer using YOLOV5

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開發工具：Flutter, Android Studio

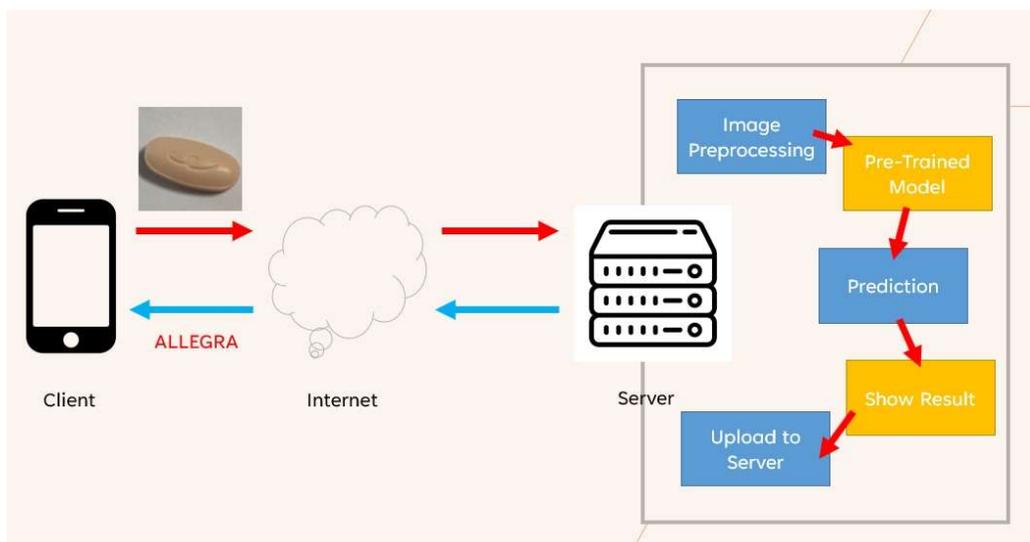
測試環境：Windows 10

一、簡介：

Nowadays, there are a vast number of medicines through-out our life. To make our life easier, it will be helpful for us if we have a device to scan the medicines and tell us what medicines it is as well as its functionality. Through the “Western Medicine Analyzer” app, we can do such things. We can detect and search for the information just by taking a picture. It’s like the simple version of google multi-search but it’s only for medicine.

To build the model for this application I used the YoloV5 architecture, and it can detect multiple medicines at once. For the front-end of the application, I used flutter language in Android Studio and for the back-end I used FastAPI as well as Docker and ngrok.

以下為系統架構圖：



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二、測試結果：



(一) Main menu
Can select Camera / Gallery



(二) View Page after
taking Image



(三) Prediction Result



(四) Informations