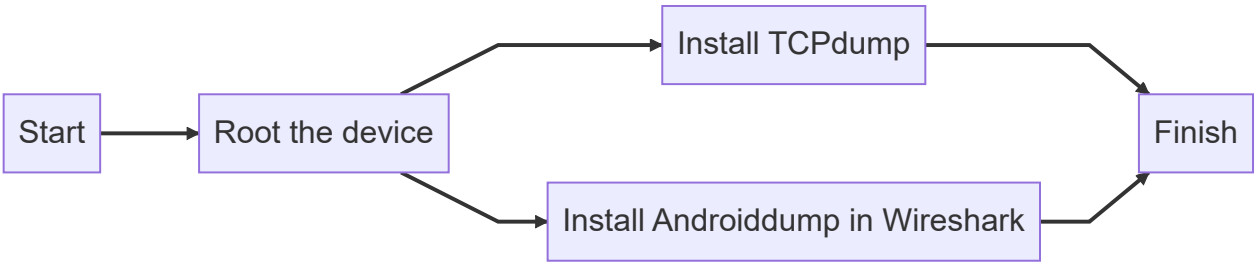
USRA Weekly Meeting: May. 24, 2023

Setup Environment

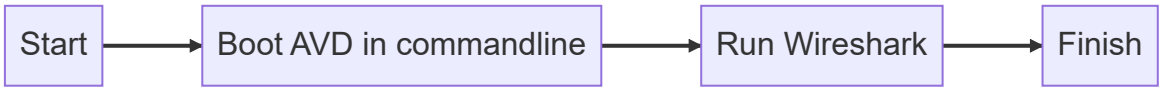
First time running:

Details: Root AVDs Without Play Store



Future running:

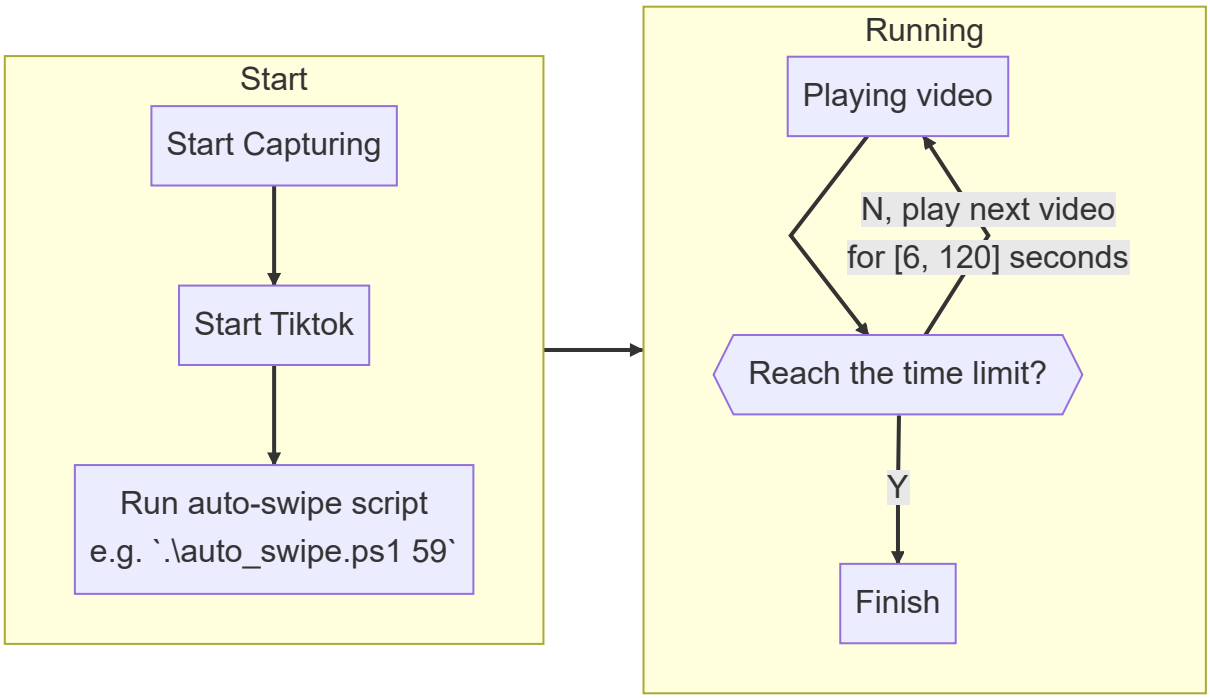
Details: Postprocessing



TikTok

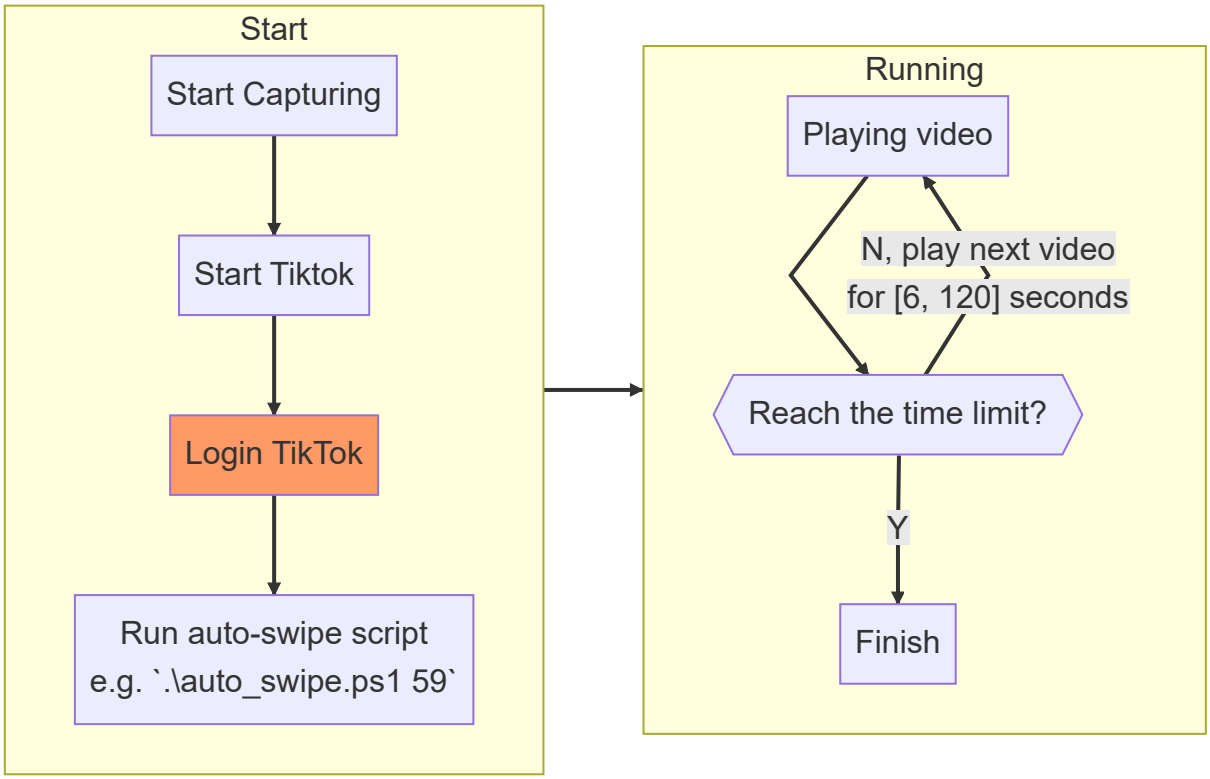
Original Process

The Android client does not have an autoplay function, so I write a script to swipe to the next video after a random time interval.



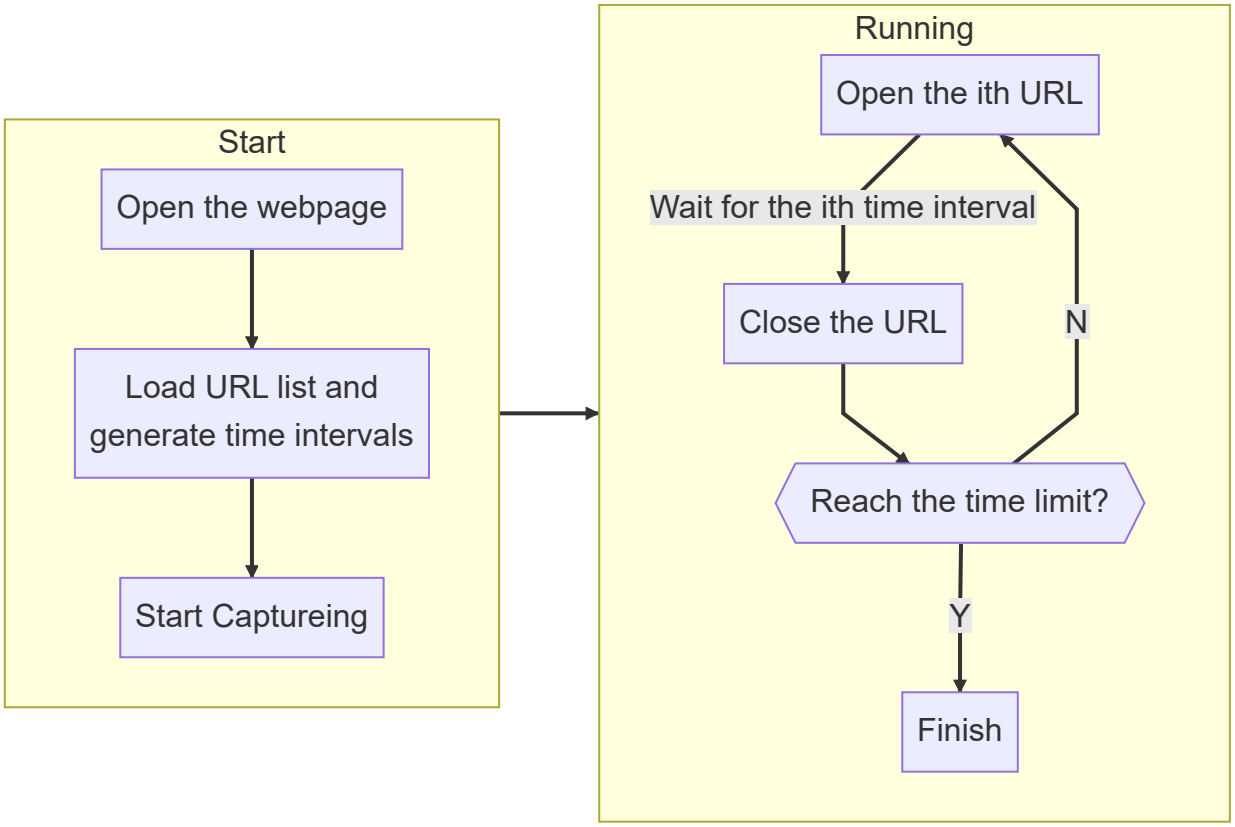
Revised Process

I will observe and capture traffic during the login process



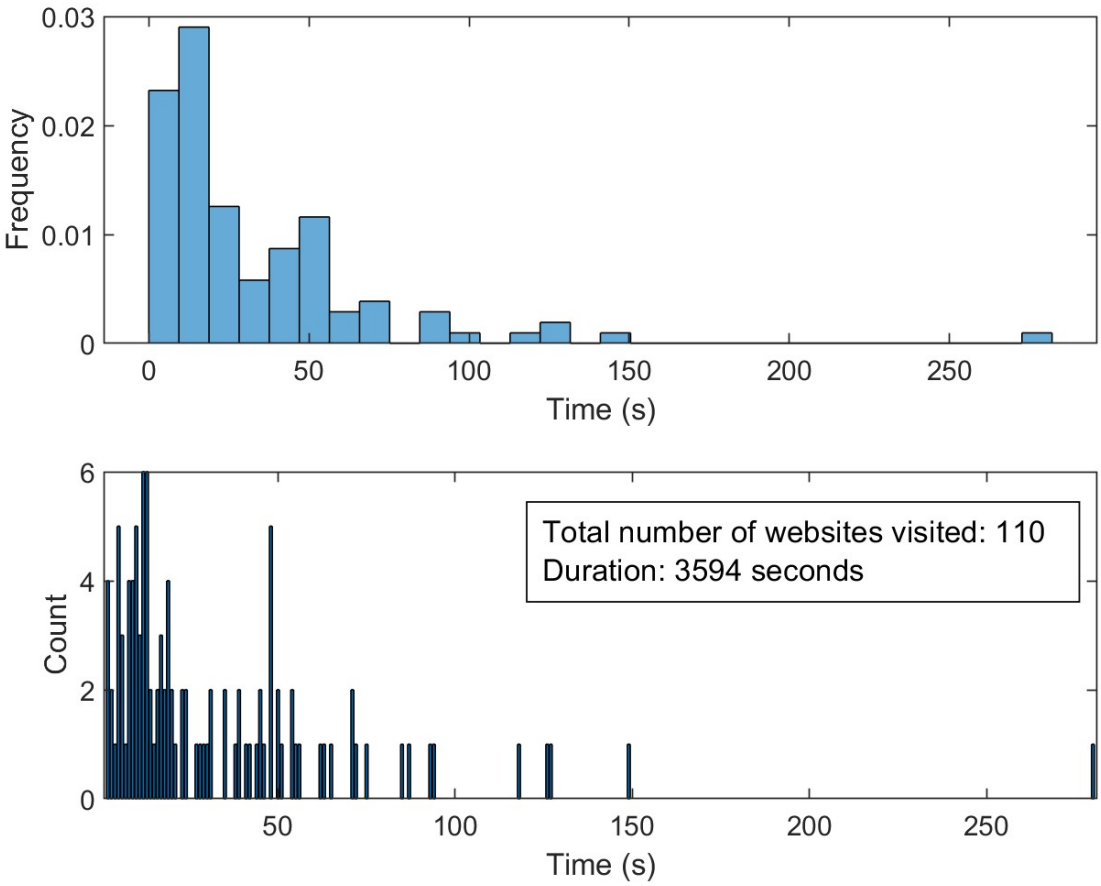
Google Chrome

Initially, I plan to open and close URLs using `adb`. However, google chrome does not have a certain `intent` to close a tab (I can open but cannot close), and no function to close all tabs when exiting. Therefore, I implement a webpage using HTML/JavaScript to automate the process.



For the time interval, see: SelectTimeIntervals.m

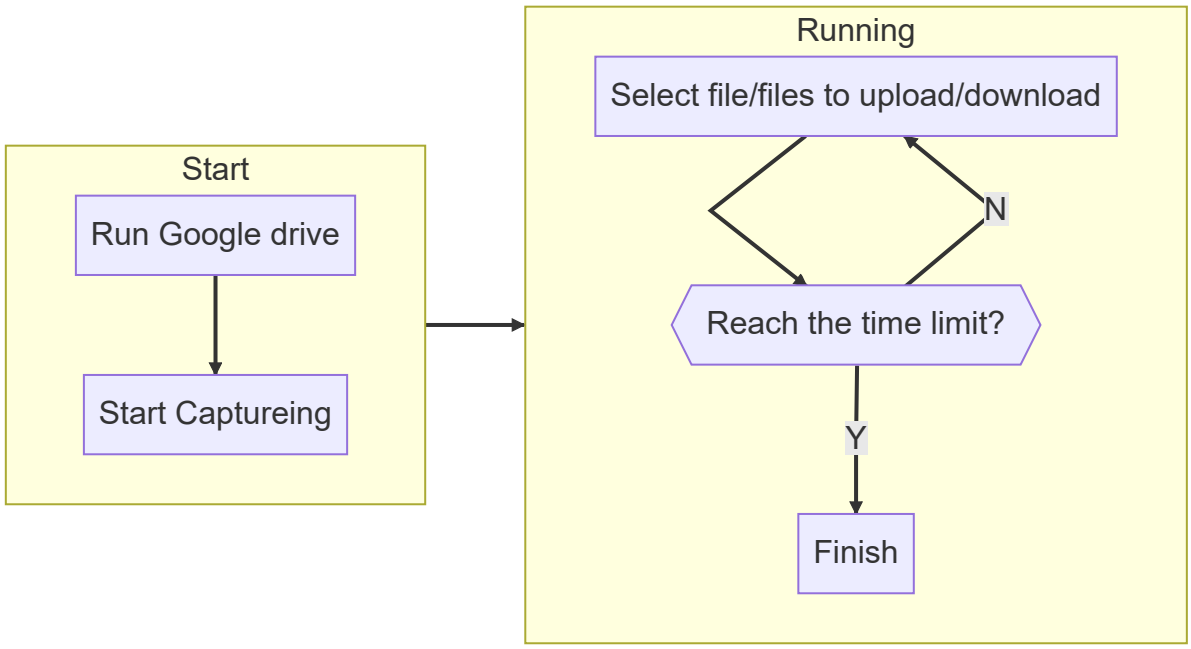
Sample output:



Waiting for further instructions

Google Drive

I did not automate the uploading and downloading process because of its proprietary software nature. Moreover, I have restricted the uploading speed to 10Mbps and downloading to 40Mbps. Therefore, limited user operation is required.



My current issue is that I cannot upload a large archive (2GB), so I'll adjust some of the files to the paper 10.1109/ICCISci.2019.8716385. The final dataset is going to be:

```
photo-small: 3MB in total, 792 pictures
photo: 102MB in total, 17 pictures
photo-large: 112MB in total, 2 pictures

archive.zip: about 200MB
archive-large.zip: about 1000MB
```

The behaviour of uploading and downloading many small files is quite interesting. In the first round, uploading all 3MB photos takes longer than a 224MB single file.

Waiting for further instructions