API report

Kairos

API Key duration:

+ Forever

+ 25 API transactions /minute & capped 1,500 /day.

Supported:

+ API

+ SDK

Functionality

FACE RECOGNITION

Enroll

Verify

Recognize

Detect

Gallery - List All

Gallery - View

Gallery - Remove

Gallery - Remove Subject

Gallery - View Subject

Step to start face recognition:

+ Enroll a people in a gallery by using a picture. (That gallery and people name can be anything we want). Picture can be providing by link or upload

+ Call the recognize method by providing a galleryID and a picture. It will return the name if recognized and location of each face

Microsoft

API key duration:

+ 30 days

+ Up to 20 transactions per minute - 30,000 transactions free per month

Supported

+ API

Functionality

▼ Face

  POST Detect

  POST Find Similar

  POST Group

  POST Identify

  POST Verify

▼ Face List

  POST Add a Face to a Face List

  PUT Create a Face List

  DELETE Delete a Face from a Face List

  DELETE Delete a Face List

  GET Get a Face List

  GET List Face Lists

  PATCH Update a Face List

Person

POST Add a Person Face

POST Create a Person

DELETE Delete a Person

DELETE Delete a Person Face

GET Get a Person

GET Get a Person Face

GET List Persons in a Person Group

PATCH Update a Person

PATCH Update a Person Face

Person Group

PUT Create a Person Group

DELETE Delete a Person Group

GET Get a Person Group

GET Get Person Group Training Status

GET List Person Groups

POST Train Person Group

PATCH Update a Person Group

How to import face:

+ First you need to create a person group

+ Then you need to create a person -> get that personID -> add a face to represent that person

+ For face recognition -> First you call the detection part in API -> it will detect faces in that pictures and assign every face it detects with an ID (that ID is only stay for 24 hours). Then using that ID, we can use that as input to the recognition method which now will return to you the name of your subject

+ Notice that when add a face in person group -> you have to trained that group waiting it to finish then it will recognize your faces

Luxand

API key duration:

+ 15 days

Functionality

+ Using HTracker to track people face

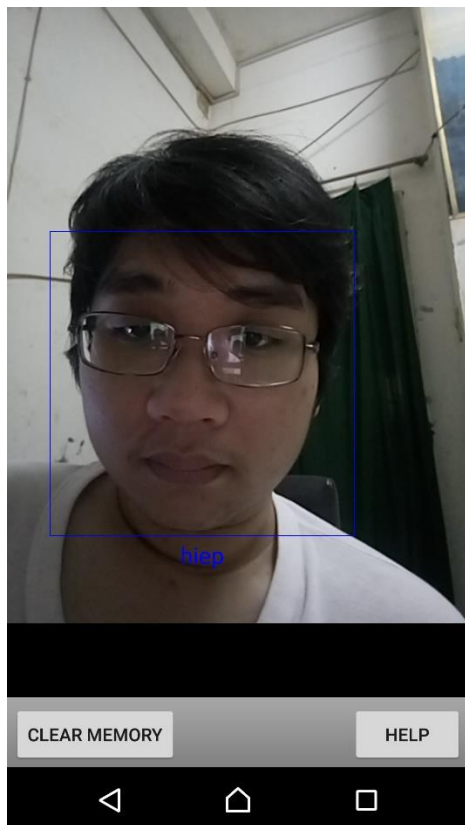**How to import**

+ Download the FaceSDK from the website https://www.luxand.com/facesdk/download/

+ Get the FaceSDK Android binaries
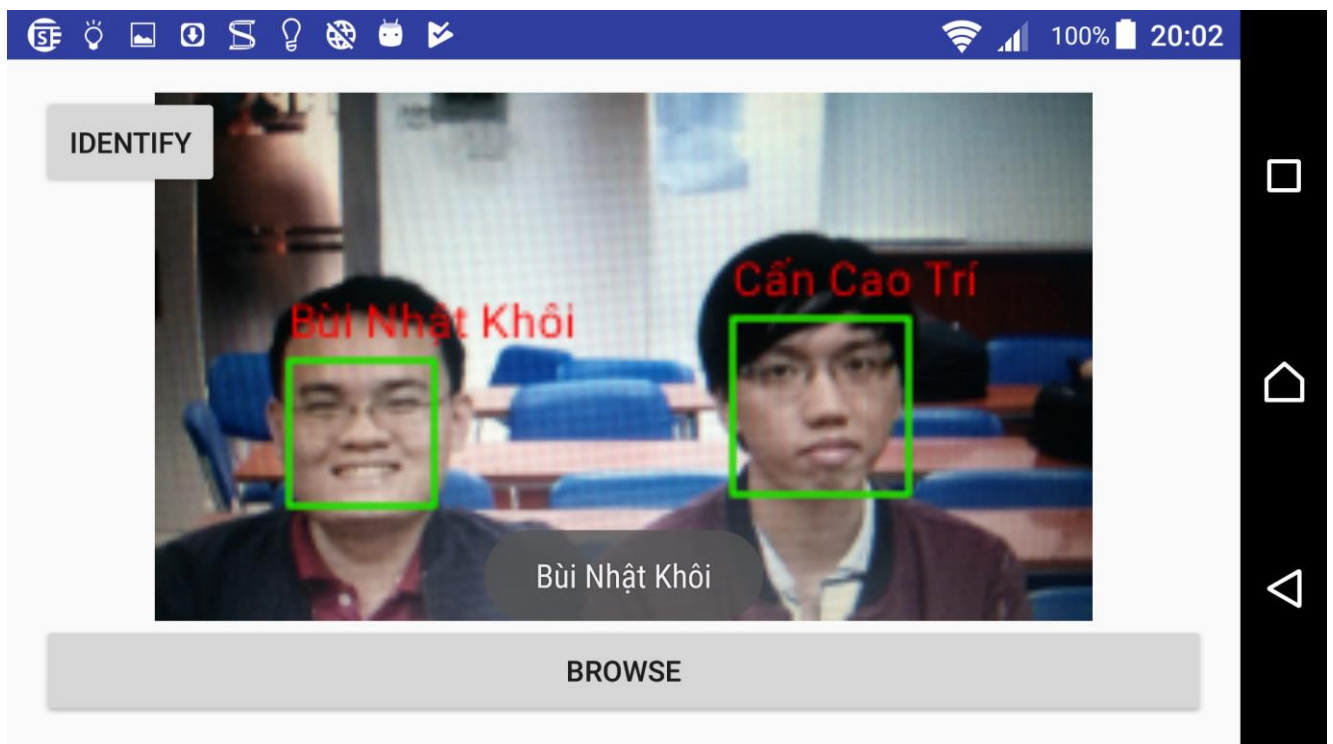
Some of the demo screenshot

Kairos

Luxand

Microsoft

Conclusion:

Kairos

+ **Advantage**: Forever API, Fast

+ **Disadvantage**: Sometime can't detect small faces

Microsoft

+ **Advantage**: Fast, able to detect even small faces or blur face, have gradle library

+ **Disadvantage**: Key lasts 30 days

Luxand

+ **Advantage**: has SDK

+ **Disadvantage**: doesn't have API, key only last 15 days