



Attendance Management System

SASITA: 10909314A



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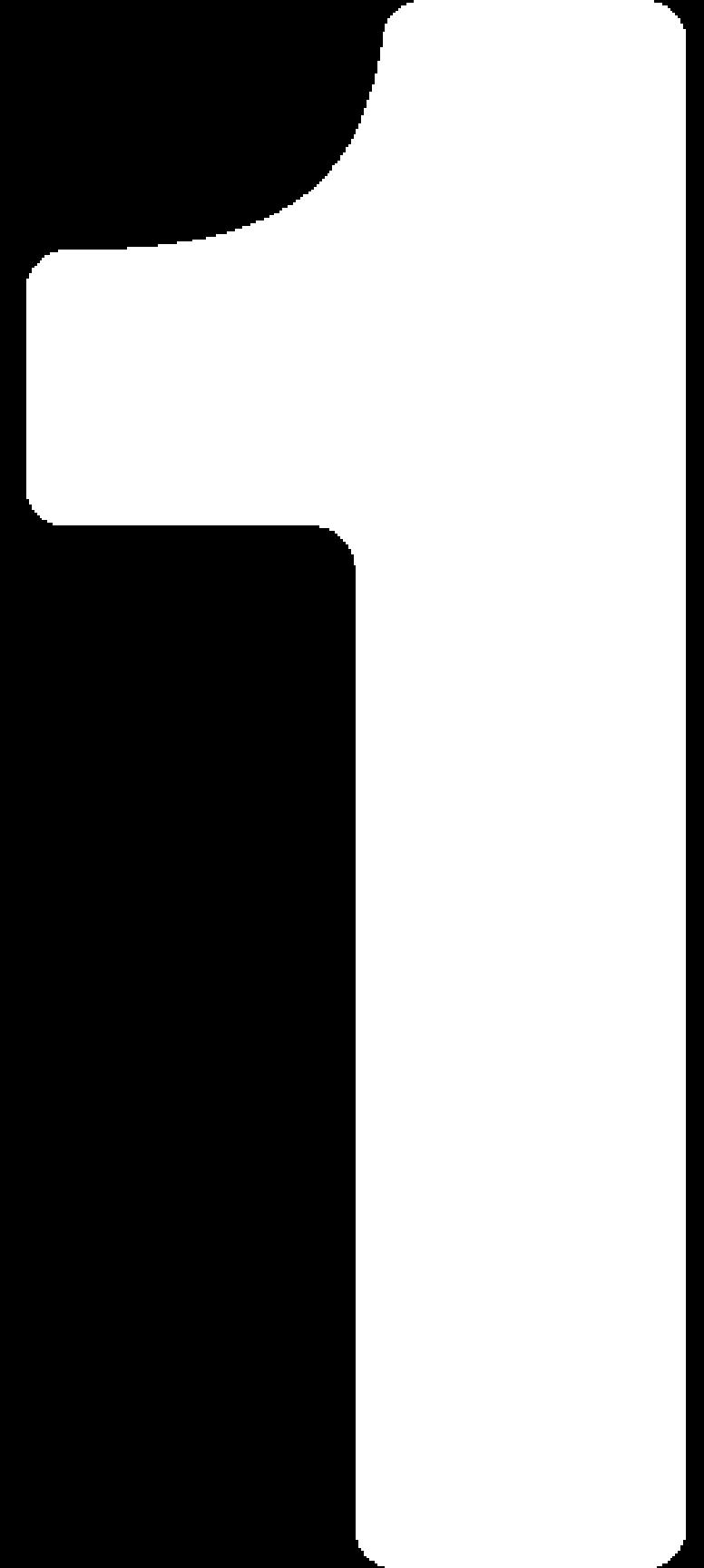
Flowchart, Source
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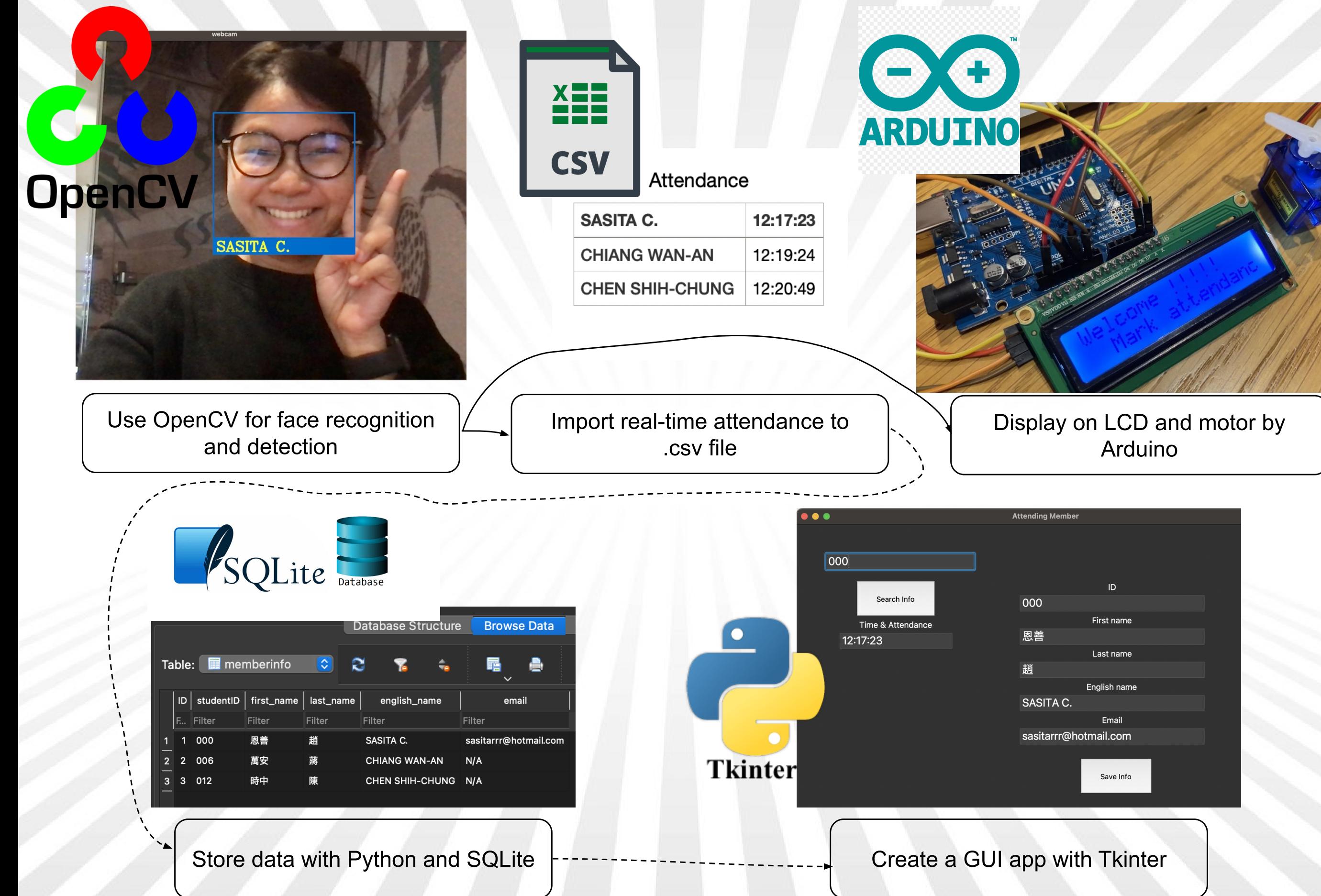
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Project Introductions

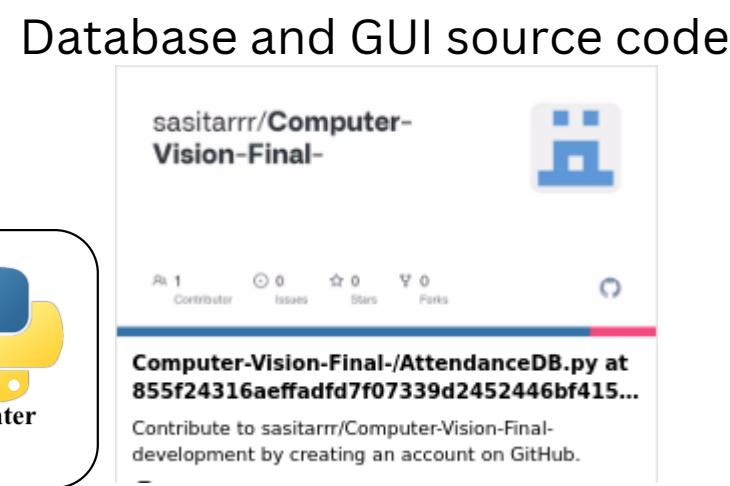
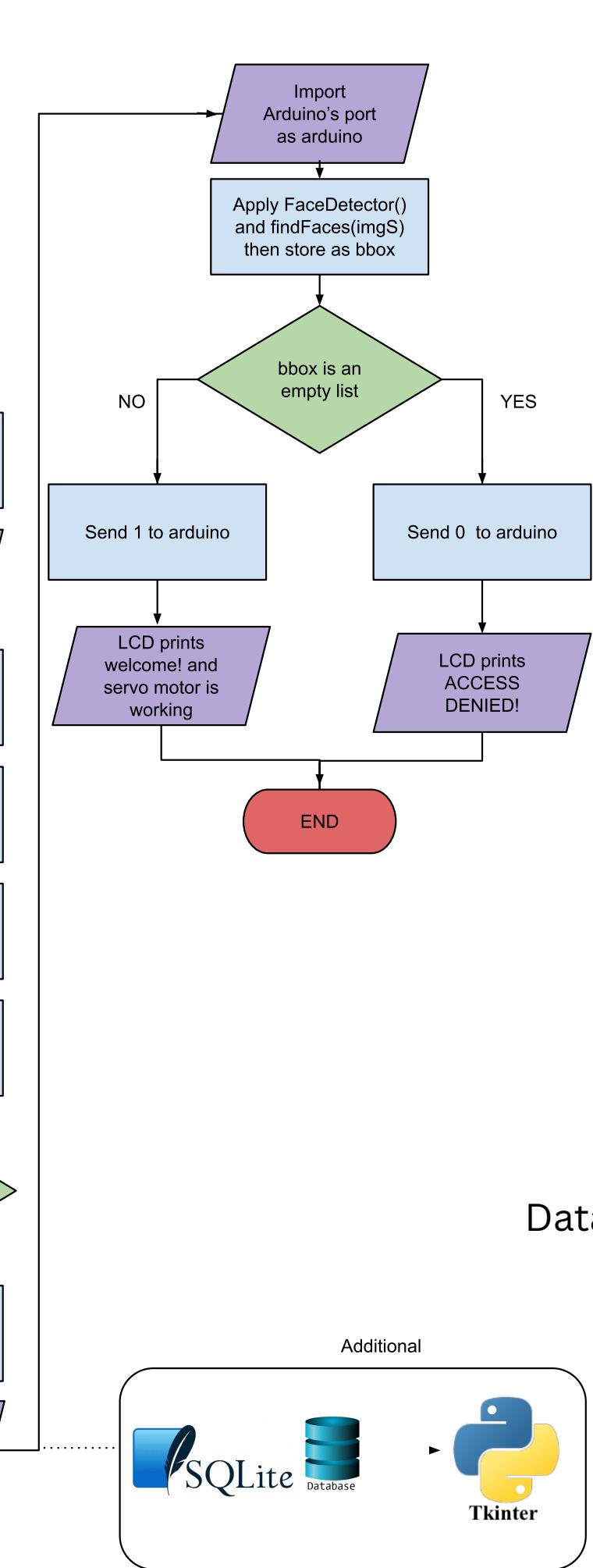
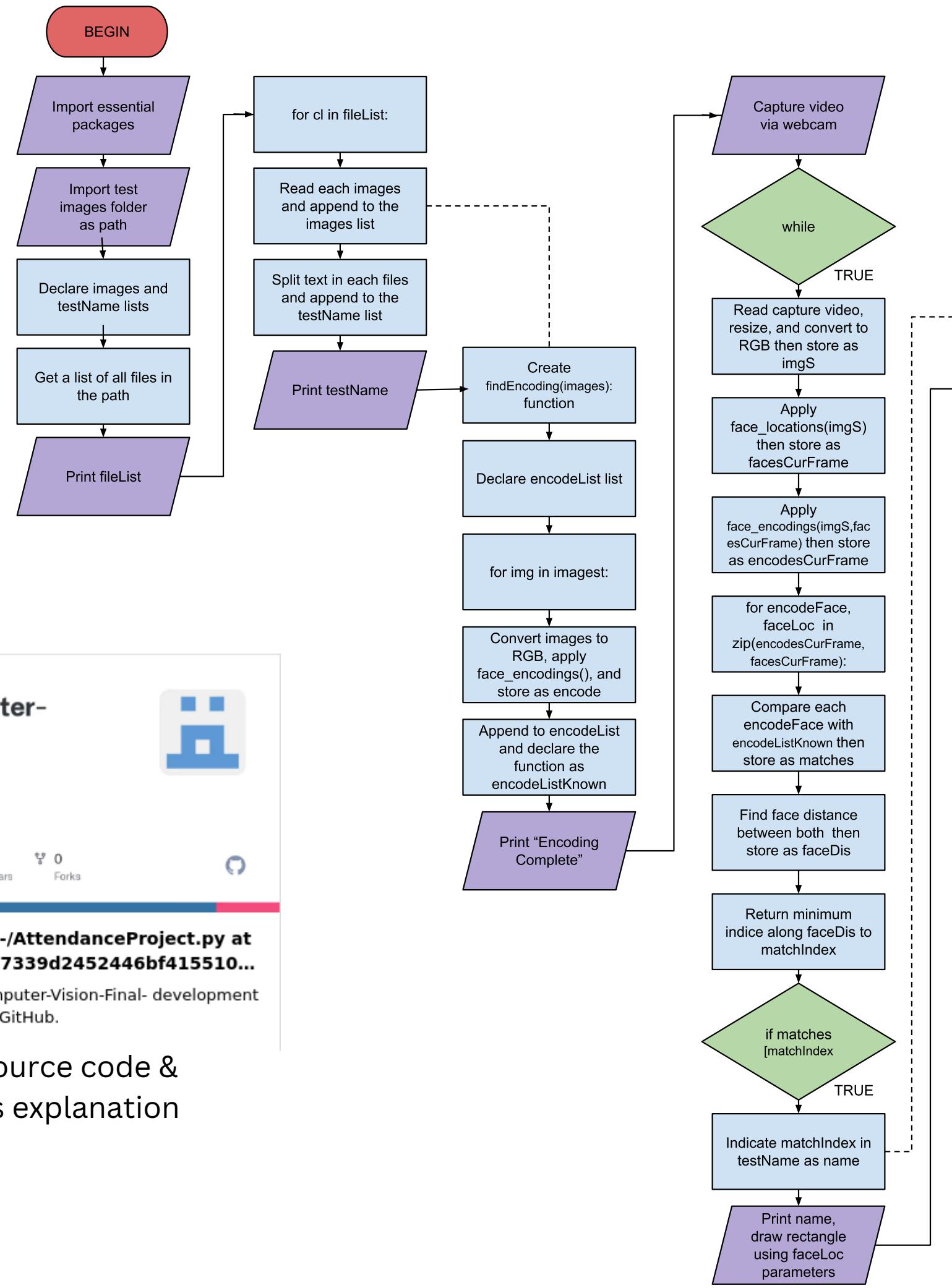
WHAT THIS PROJECT IS EXACTLY..





*Flowchart, Source
Code, and Functions*

Flowchart





Project Testing



Attendance

SASITA C.	12:17:23
CHIANG WAN-AN	12:19:24
CHEN SHIH-CHUNG	12:20:49



Use OpenCV for face recognition and detection

Import real attendance to .csv file

Display on LCD and motor by Arduino

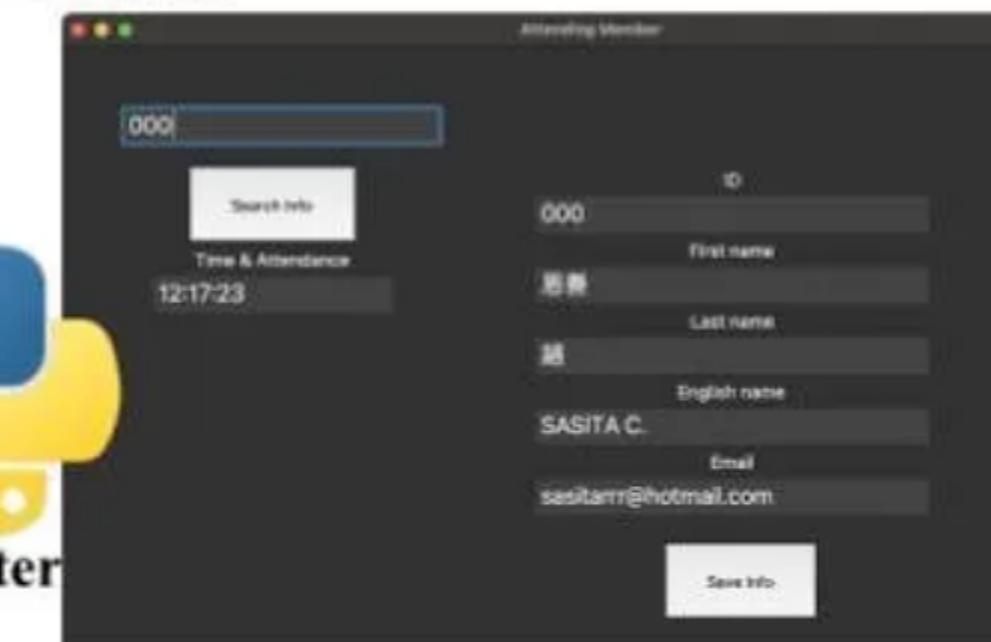


Database

Database Structure Browse Data

Table: memberinfo

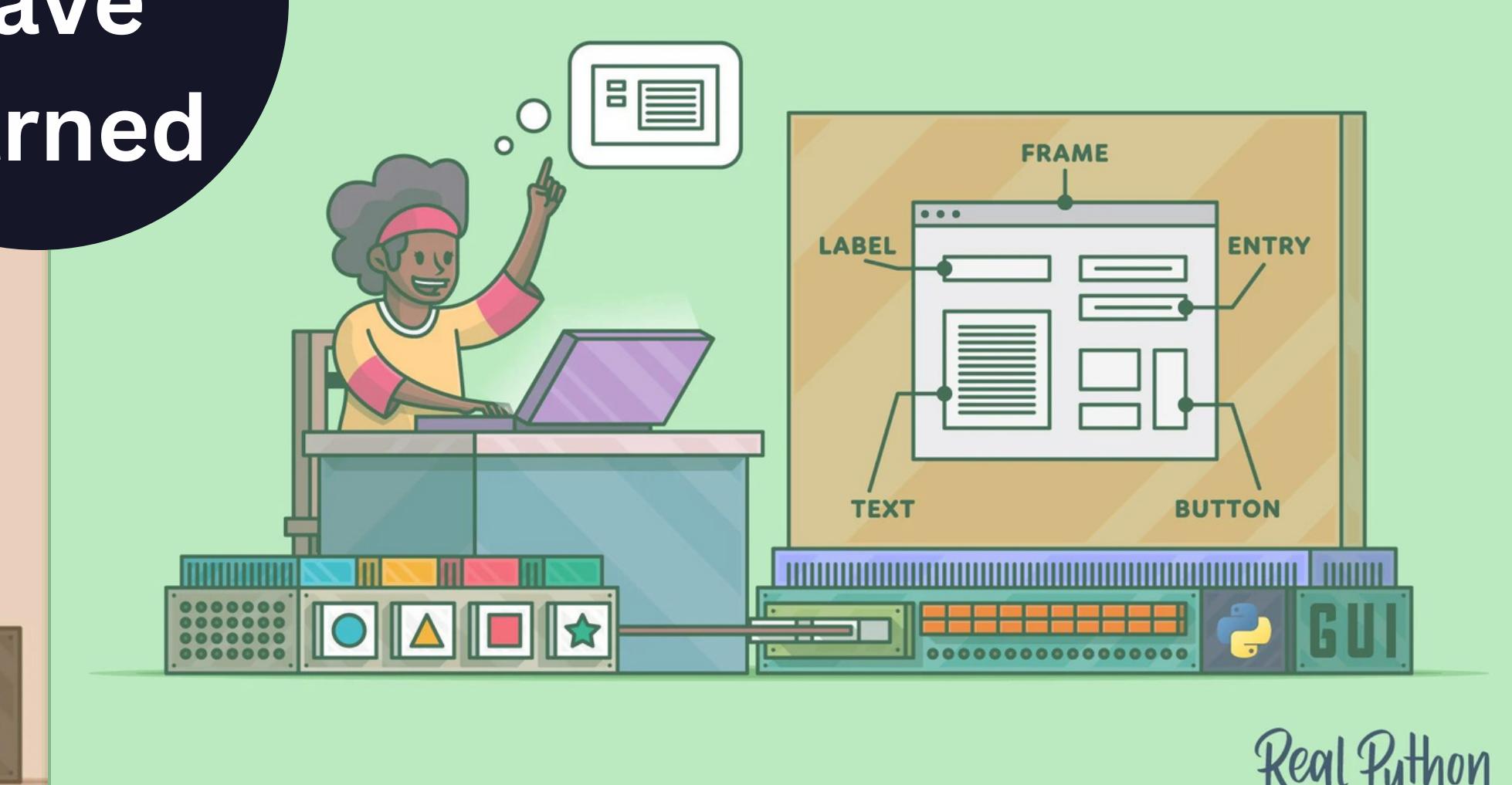
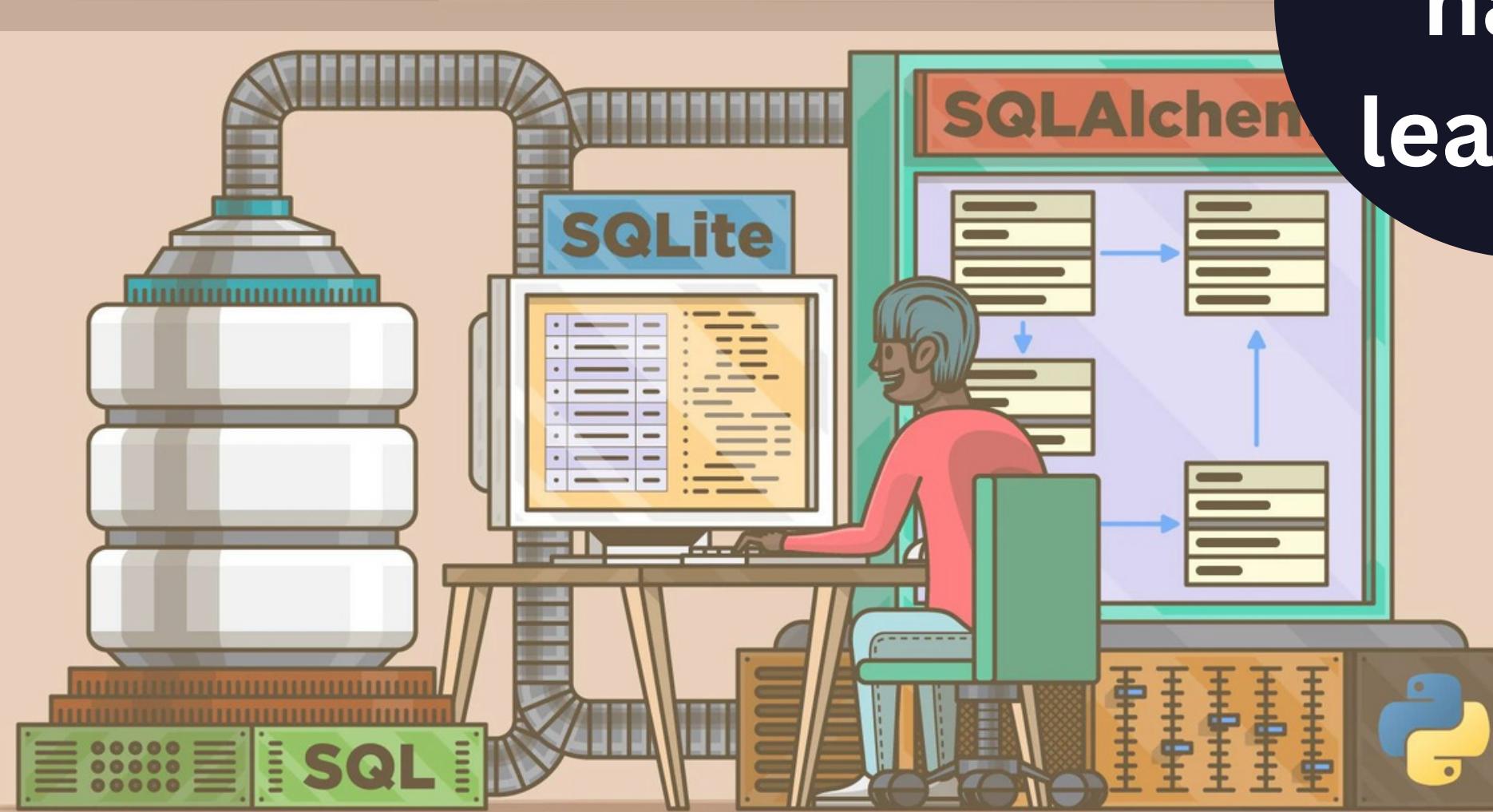
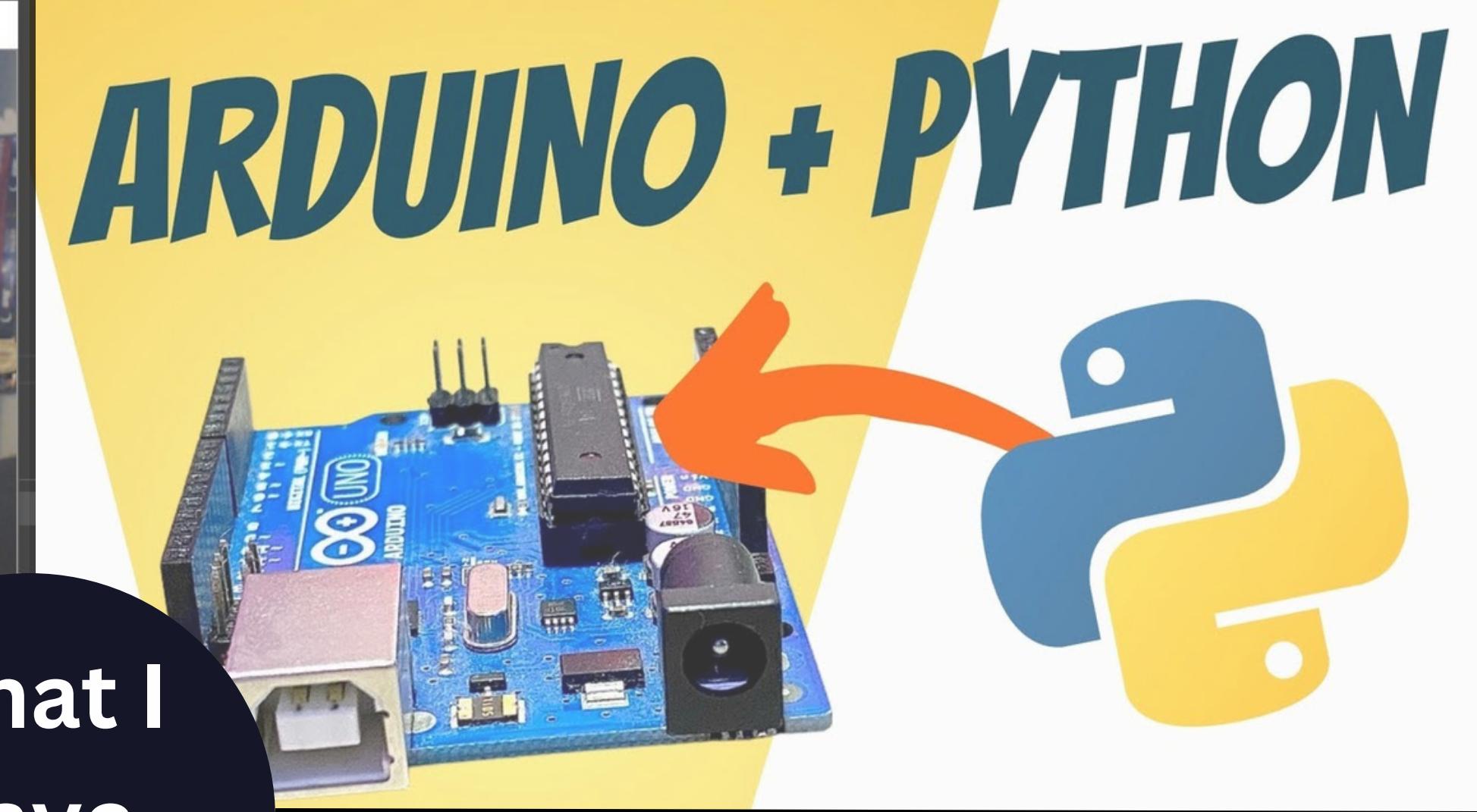
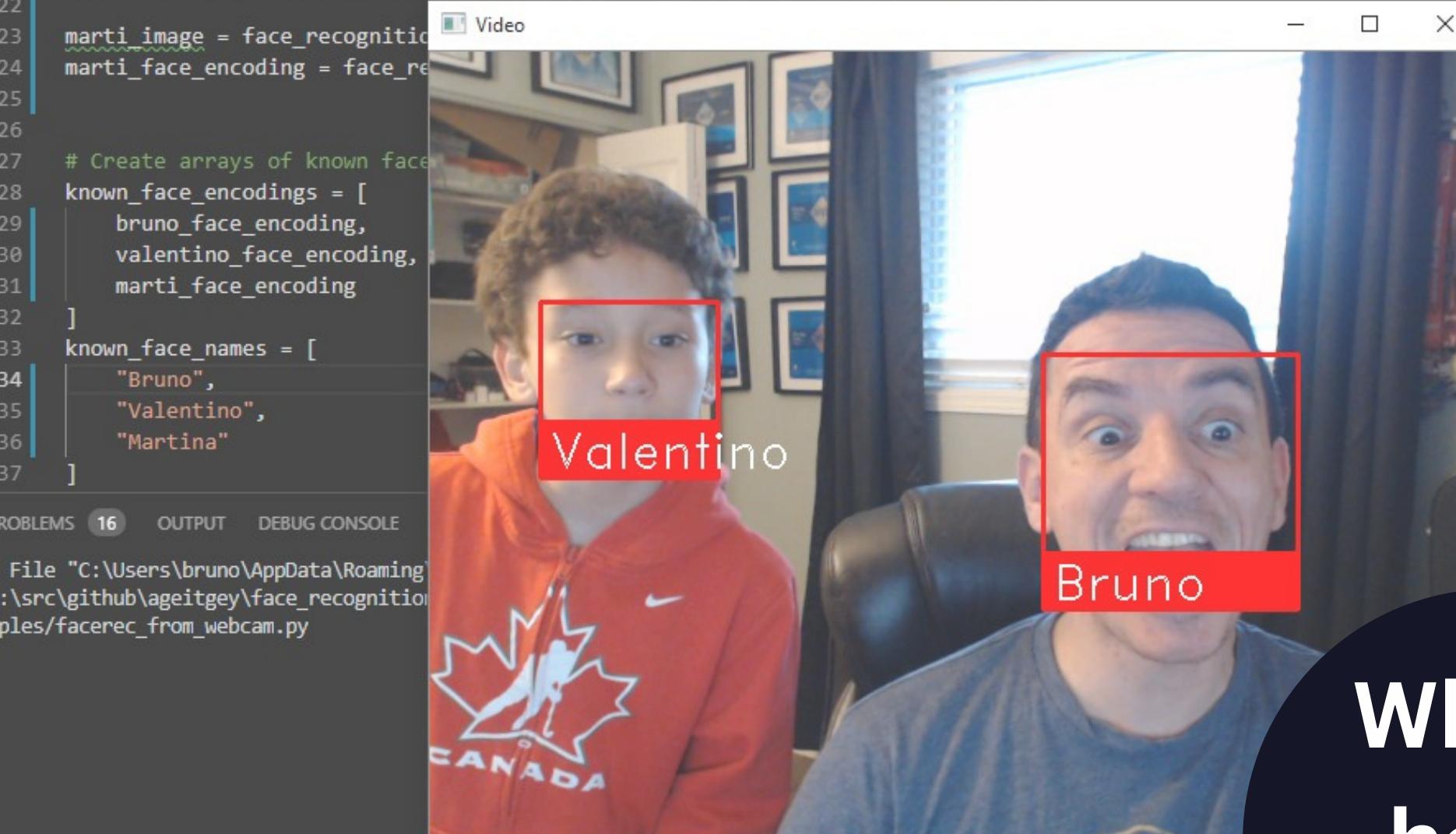
ID	studentID	first_name	last_name	english_name	email
1	000	潘	慈	SASITA C.	sasitam@gmail.com
2	006	陳	安	CHIANG WAN-AN	N/A
3	012	陳	忠	CHEN SHIH-CHUNG	N/A



Store data with Python and SQLite

Create a GUI app with Tkinter

Conclusion



AVA V5.9

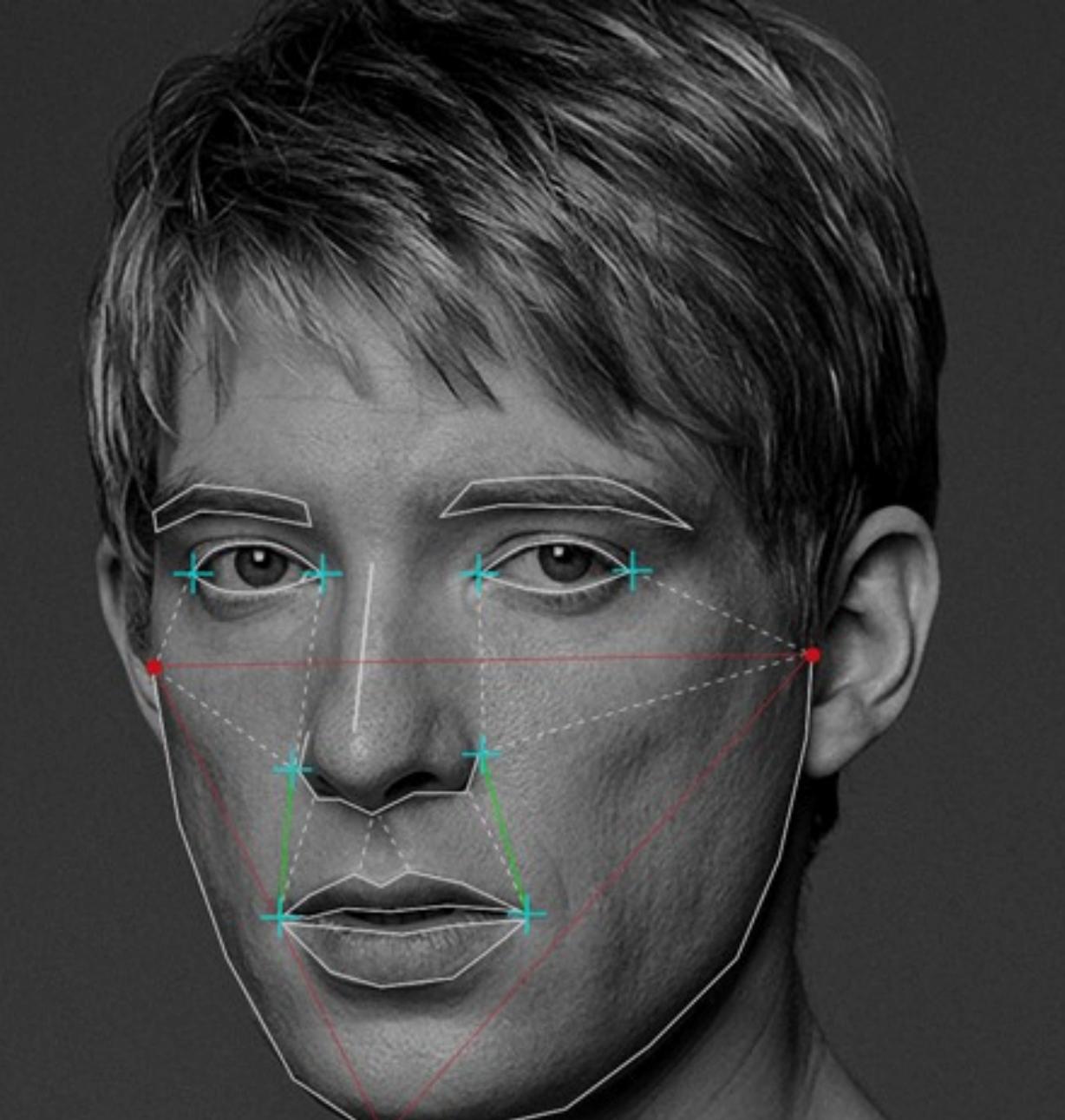
4

SESSION: 23081
 USER ID: 1825A
 DURATION: 00:02:23

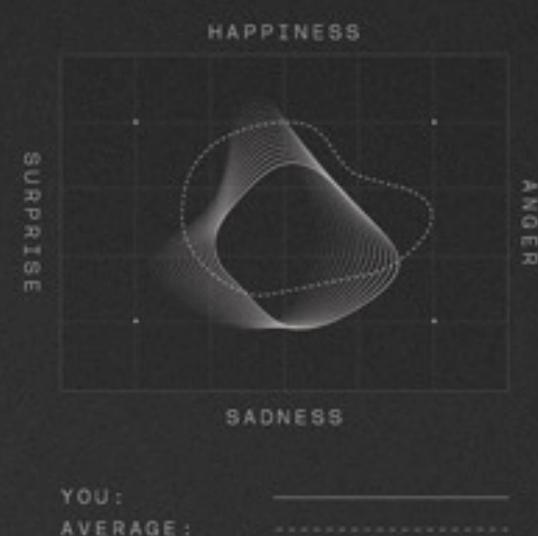
1 INFO
 IP: 167.213.182.251
 LOCATION: NORWAY
 LATITUDE: 34.08030000
 LONGITUDE: -118.20810000
 DATE: 04.10.2015
 TIME: 07:00:00 P.M.
 DAY: FRIDAY
 TEMPERATURE: 64° F
 WEATHER: MOSTLY CLEAR

2 PROGRESS
 FRAME: 297
 NODES: *
 NNPF: *
 LINES: *
 PROGRESS: 0%

3 COORDINATES
 X Y Z
 **** **** ****
 6487 4587 6455
 9372 7663 9875
 4562 8753 9897
 5462 1639 4697
 1948 7592 7653
 4670 1527 8763
 9638 3725 6598



5 EMOTION TRACKING

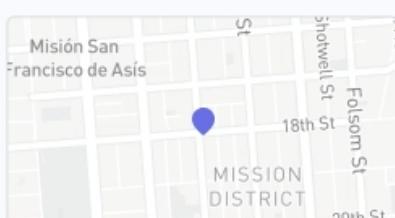


Future development

Timesheets – August 2019

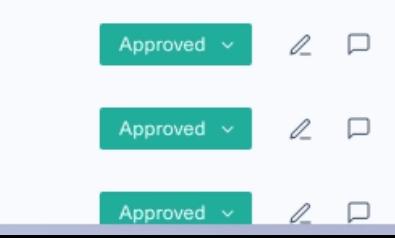
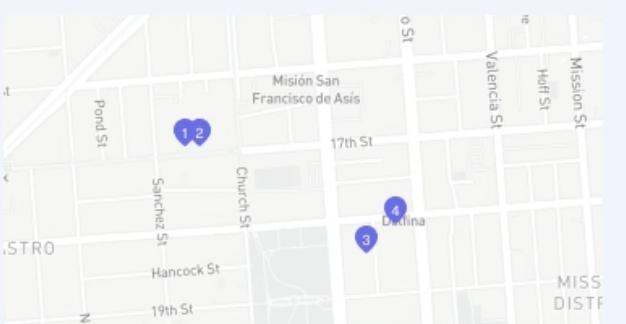


Raymond Ellis
 Financial Analyst
 Location: Baghdad



Raymond's timesheets

	Date	Start time	Finish time	Work time	Exceptions	Status
<input type="checkbox"/>	23 Aug 2019	06:17AM	—	4:35	None	Tracking
<input checked="" type="checkbox"/>	22 Aug 2019	04:30AM	03:25PM	10:05	Overtime, Offsite	Pending
<hr/>						
Action	Time	Location	Work time			
1 Time in	04:30AM	Baghdad Office				
2 Time out	10:50AM	Baghdad Office	6:20			
3 Time in	11:15AM	Abu Ghurajb				
4 Time out	03:25PM	Al-fallujah	3:35			
<input type="checkbox"/>	21 Aug 2019	10:39AM	07:10PM	4:20	Irregular schedule	Approved
<input type="checkbox"/>	20 Aug 2019	08:20AM	02:49PM	8:05	None	Approved
<input type="checkbox"/>	19 Aug 2019	07:22AM	11:13PM	7:54	None	Approved



References

- [1]: Tseng, Yuan-Wei. [A0940600] Computer Vision Course
- [2]: Yang, Jun-Zhe. [A0920800] Digital Systems Laboratory Course
- [3]: FACE RECOGNITION + ATTENDANCE PROJECT | OpenCV Python | Computer Vision
https://youtu.be/sz25xxF_AVE
- [4]: Computer Vision With Arduino | 2 Hour Course | OpenCV Python :
<https://youtu.be/mfiRJ1qgToc>
- [5]: Import data from CSV to SQLite using Python :
<https://youtu.be/165qgx1Hsko>