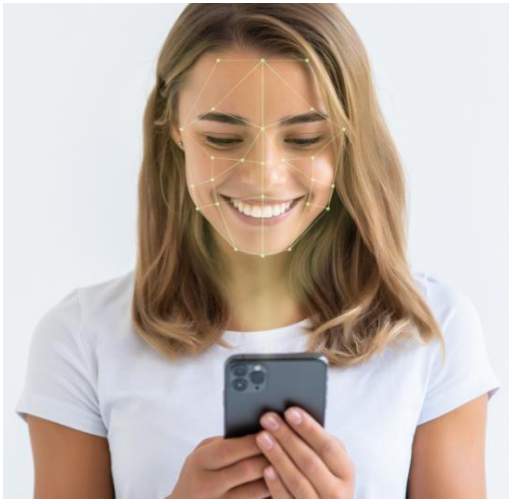
Group Project



Project Descriptions. You are invited to develop an **Intelligent Know Your Customer (iKYC)** system with **facial ID login function**.
You need to implement a Graphics User Interface (GUI) and a database to meet the below requirements.

- When a customer login with his/her face ID, his/her information such as name, login time, login history, and customized welcome message will be presented in the GUI.
- The customer can view his/her account information such as a list of accounts (e.g. saving, current, HKD, USD, etc.), account numbers, balances, etc.
- The customer can click the account to see the detail transactions, and search the transactions based on month, day, time and amount.
- The transactions can be presented in the GUI.

Requirements.

- **Group**: 1-5 students as a group.
- **GUI**: Each group may design GUI based on the understanding of the above user requirement (You could make your own design choice).
- **Database**: your database should have at least **five** tables. How to design the tables is your design choice.

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Development Tool Examples:

- **Face Recognition:** Python + OpenCV (full codes provided).
- **GUI**: Python GUI or Qt or html. (code not provided).
- **Database**: Python + MySQL (sample codes provided).
- **Other**: You can use any other development packages if you see fit. However, the DBMS must be MySQL.

Marks (course project 20% of the final mark).

- **10%** for software development. (4% GUI implementation + 6% database implementation)
- Other **10%** for presentation (5 to 10 minute), including but not limited to development plan, milestones, **contribution of each group member** **(tell us if there is a free-rider in your group)**, **video recording of demo**, software design, database design (**ER Diagram, tables**), difficulties you encountered and how to solve them, etc.
- Live demo is allowed, but please make sure your program works well and stably in order to save time in presentation.
- Creative GUI design, creative software functions or creative DB design will have bonus points.