

# ATTENDANCE SYSTEM : MARVILLIERS AURIAN ID3A

## GUI:

### window 1 : Attendance System

2 buttons :

- log in (employee) → if the employee already exists in the database, he clicks on this button to log in
- log in (admin) → if the admin already exists in the database, he clicks on this button to log in or if me (Aurian) decides to log in, I can click on this button to log in

Previous button : close the actual window

### window 2 : Log in Page Admin

Username and Password to put

- A Sign button : confirm the information and allow the admin to the next window or not
- Previous button : close the actual window

### window 3 : Log in Page Employee

Name and Code to put

- A Log in button : confirm the information and allow the employee to get recognized or not, this button will launch the facial recognition of the employee
- Previous button : close the actual window

### window 4 : For Admin

Some text, this page is dedicated to the functions that an admin can realize

- Button Add Employee : will add an employee in my database
- Button Delete Employee : will delete an employee in my database
- Button Get Employee : will get all employee in my database
- Button Edit Employee : will edit an employee in my database
- Button Reset Employee : will reset all employee in my database, pictures of them and their information
- Button Check time records Employee : will display the time when all employee came at work
- Button Add Admin : will add an admin in my database
- Button Delete Admin : will delete an admin in my database
- Button Get Admin : will get all admin in my database
- Previous button : close the actual window

window 5 : Page Employee (linked to the Button Add Employee)

Name and Code to put

- Button Capture : take pictures of the employee that is creating
- Button Create : create the employee and add him in the database
- Previous button : close the actual window

window 6 : Page Employee (linked to the Button Delete Employee)

Id of the employee to put

- Button Delete : will delete the employee in my database thanks to his Id
- Previous button : close the actual window

window 7 : Employee List (linked to the Button Get Employee)

Just a summarized table of the employee in my database (3 columns : Id, Name, Code)

window 8 : Page Edit Employee (linked to the Button Edit Employee)

Id of the employee and new name to put

- Button Edit : will edit the employee in my database thanks to his Id, will change his or her name
- Previous button : close the actual window

window 9 : Employee check in time list(linked to the Button Check time records Employee)

Just a summarized table of the employee checked in time in my database (3 columns : Id, Check\_in\_time, Statut) statut to see if the employee is present or late

window 10 : Page Admin (linked to the Button Add Admin)

Name and Code and Id to put

- Button Create : create the admin and add him in the database
- Previous button : close the actual window

window 11 : Page Admin (linked to the Button Delete Admin)

Id of the employee to put

- Button Delete : will delete the admin in my database thanks to his Id
- Previous button : close the actual window

window 12 : Admin List (linked to the Button Get Admin)

Just a summarized table of the admin in my database (3 columns : Id, Username, Password)

- Previous button : close the actual window

## CODE:

(3 scripts Python + 3 scripts Java)

PACKAGE DatabaseAndTables

- AdminFunctions.java
- Database.java

PACKAGE GUI

- interfaceGraphiqueUser.java

EXTERNAL SCRIPTS

- emptyFileNames.py
- faceRecognition.py
- takePictures.py

AdminFunctions :

Several functions for the admins functions

Database :

All the code to manipulate some tables of mySQL usefull for the project, everything working in the db\_time\_attendance database

interfaceGraphiqueUser :

Several functions for the GUI and the events and actions, this script java will make the link between every parts of the project.

EmptyFileNames :

This script will erase or delete the name put in the JSON file and also all the folder Dataset containing the pictures of everyone

faceRecognition :

This script will launch the facial recognition using the pictures in Dataset to compare

takePictures :

This script will take pictures of employee when he is running, you put a name and it takes pictures of you and after that, creates a folder of your name containing 30 pictures of you and also put your name automatically in the JSON file

## COMPONENTS:

SCRIPTS Python, Java, Json

- AdminFunctions.java
- Main.java
- Database.java
- interfaceGraphiqueUser.java
- emptyFileNames.py
- faceRecognition.py
- takePictures.py
- names.json

FOR PICTURES

- Folder Dataset (stock other folder of pictures of people)

## ERRORS:

For the delete button : It delete the employee in my database and table but not in the JSON file and not deleting the pictures in folder Dataset

For the edit button : It changes the name of the employee but this employee is not recognized when he wants to log in