

Web Face Lock

BY:

ADITYA SRIVASTAVA (RA2311003030583)

SIDDHARTH NARELA (RA2311003030591)



Libraries Used:

- Thread
- OpenCV-Python
- Face_Recognition
- DLIB
- Flask

How this works?

Basically, our project uses a predefined set of faces saved on the server to verify with the current users face.

If the Face of both the Image and Capture Matches, user is authenticated to the further page

Basically We are using OpenCV which is a Computer Vision Model to initiate the process and further stuffs are proceeded by Face Recognition and Other Libraries.

How to Setup this?

Install Python on your system

pip install thread

pip install opencv-python

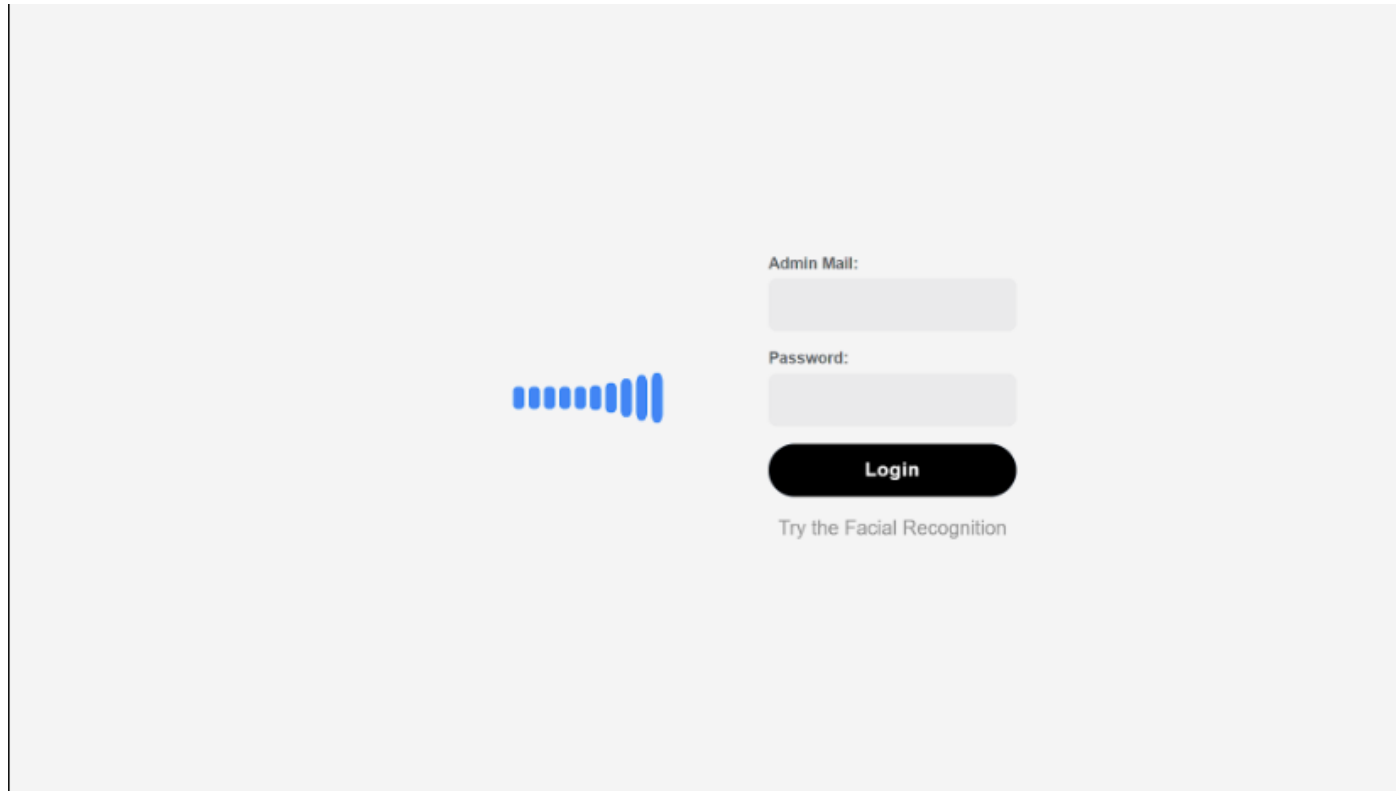
pip install face_recognition

pip install dlib

pip install flask

pip install cmake

Start Screen



The image shows a minimalist login interface on a light gray background. On the left, there is a blue logo consisting of a series of vertical bars of varying heights, resembling a stylized 'S' or a soundwave. To the right of the logo, the text 'Admin Mail:' is positioned above a light gray rectangular input field. Below this, the text 'Password:' is positioned above another light gray rectangular input field. Underneath the password field is a black rounded rectangular button with the word 'Login' in white. At the bottom of the login section, the text 'Try the Facial Recognition' is displayed in a smaller font.

Admin Mail:

Password:

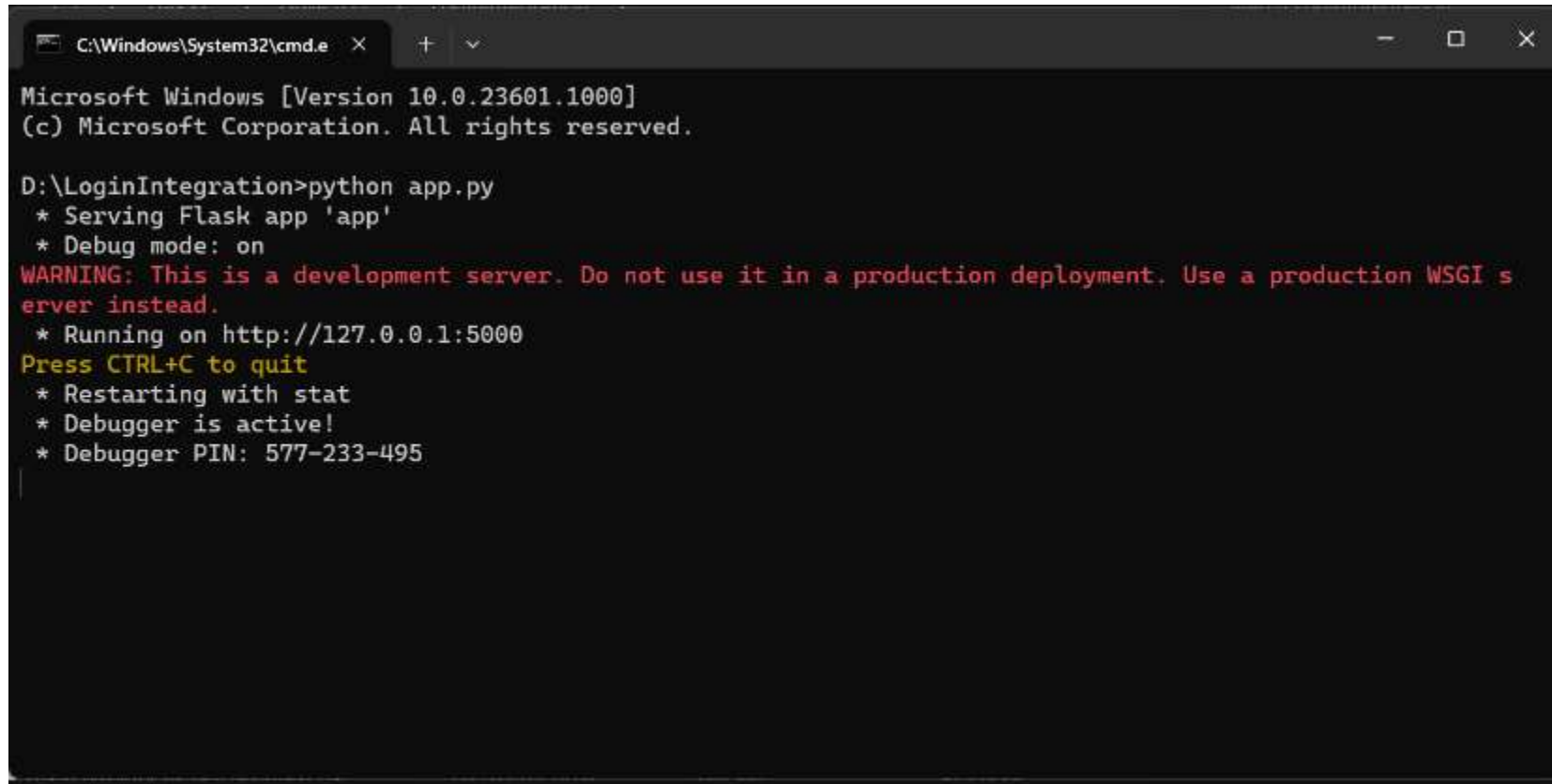
Login

Try the Facial Recognition

Verification Screen



Flask Running Screen



```
C:\Windows\System32\cmd.e x + v
Microsoft Windows [Version 10.0.23601.1000]
(c) Microsoft Corporation. All rights reserved.

D:\LoginIntegration>python app.py
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI s
erver instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 577-233-495
```

Deployments

You can view the source codes and files here:

<https://github.com/aditya-ig10/web-face-lock>