

# User Manual



The screenshot shows the 'ComEngEss WebApp' header with a hamburger menu icon. Below the header is a decorative bar with yellow, teal, and red segments, and the text '<< Funny Filter >>' in a red script font. The main content area is titled 'Upload Photo' with the subtitle 'Apply a filter to your face here!'. It features a file upload section with a 'Choose file' input and a 'Browse' button. Below this is a form with an 'Enter your name' input and a 'Random Filter' dropdown menu. A checkbox labeled 'Make photo private' is also present. At the bottom are 'Upload!' and 'Clear' buttons, and a note 'Max filesize: 12MB'.

## 1. Introduction

The User Manual contains all essential information for the user to make full use of the information system. This manual includes a description of the functions and capabilities, and step-by-step procedures for system access and use.

## 2. Scope and purpose

We are aiming to build a web application that can put filters to people's faces in the picture that you upload. This web application was built for a Computer Engineering Essentials project.

## 3. System and capabilities

This section will describe web applications and functions.

### 3.1 Hamburger button



Upload Photo  
Apply a filter to your face here!

If you click on the toggle on the left top, you will see detail about this web application and references.



### 3.2 Upload photo function

Upload function will scan the picture you will upload with face recognition AI. After you select the picture to upload, you can click the "Upload" button or "Clear" button if you want to change the picture.

Upload Photo  
Apply a filter to your face here!

Choose file

Enter your name  Random Filter

☐ Make photo private

Max filesize: 12MB

-If it cannot detect a face in the picture, it will respond with this error box.

**! Error:** Unable to detect faces in supplied image

-If the file you uploaded is greater than 12 mb, it will respond with this error box.

**! Error:** Image filesize exceeded the maximum allowed

-If you upload the file that is not allowed, it will respond with this error box.

**comengess.fluxthitat.me says**

Only image files with extension "jpg", "png" and "jpeg" are allowed.

OK

-If you successfully upload the picture, it will show the picture with the filter that you selected. You can also upload another picture with the "Upload Another" button.

Upload Photo

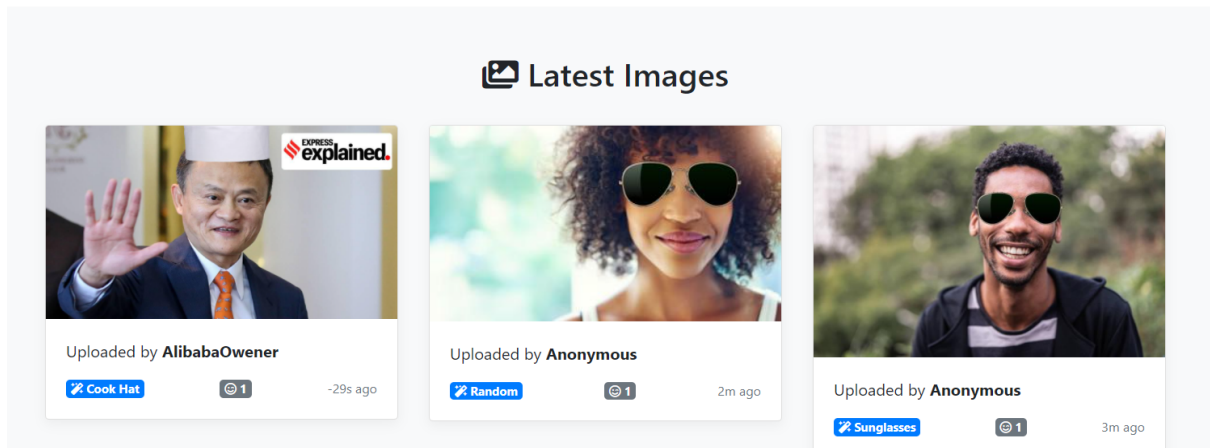
Apply a filter to your face here!



+ Upload Another!

-After the upload is finished, the picture you uploaded will show at “Latest Images” with a timestamp and number of faces in the picture.

\* Click the picture to enlarge the image.\*



-If you do not want your picture to be shown in the web application, you must select the “Make photo private” button. So the picture you uploaded will not show at the section.

-If you do not put the name in the field, your name will become “Anonymous”.

A screenshot of the upload form. It includes a text input field labeled 'Enter your name', a dropdown menu labeled 'Random Filter', and a checkbox labeled 'Make photo private' which is currently unchecked. A red arrow points to this checkbox. Below the checkbox are two buttons: a blue 'Upload!' button and a grey 'Clear' button. At the bottom, it says 'Max filesize: 12MB'.

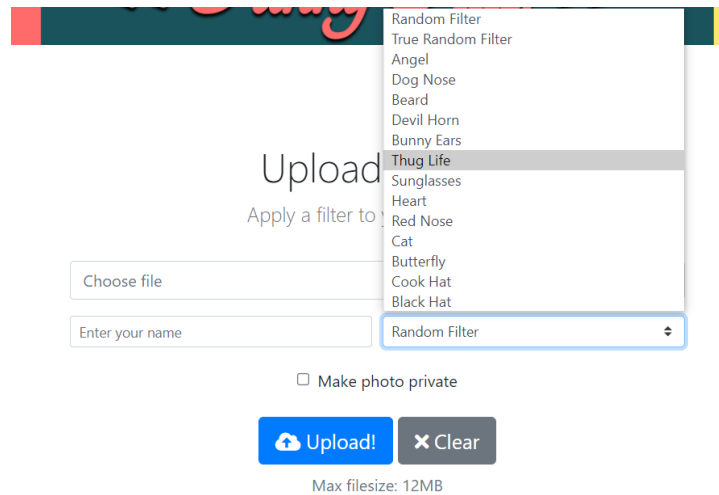
### 3.3 Back to top function

This button will lead you to the top of the web page.



### 3.4 Filter

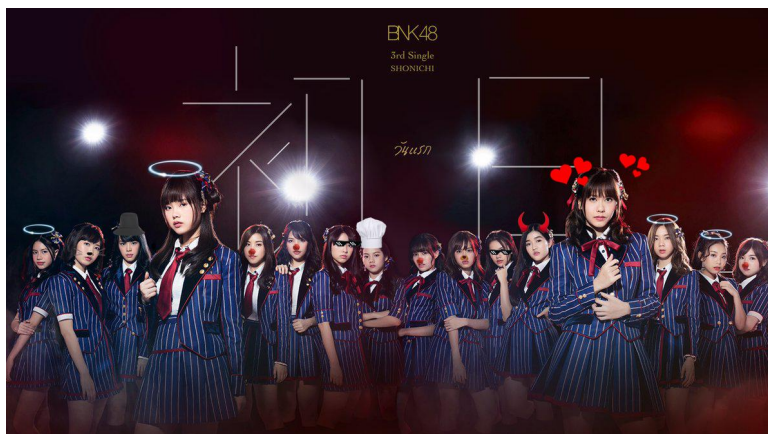
There are 13 filters that you can select and there are 2 special filters; Random Filter and True Random Filter.



- **Random Filter** : This filter will random one filter to apply to all faces in the picture.



- **True random Filter** : This filter will randomly apply one filter for each face that can be detected in the picture.



### ***3.5 Capability of the A.I.***

The A.I. can only detect a face of a real human. It can't detect the face of an anime character. If the light is too dim or your face is too small, the A.I. might be NOT able to detect your face.

## **4. Reference**

1. <https://pimeyes.com/en>
2. [https://developer.mozilla.org/en-US/docs/Web/API/Fetch\\_API/Using\\_Fetch](https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API/Using_Fetch)
3. python library : <https://medium.com/@P.Srirak/มาลองเล่น-face-recognition-ด้วย-python-กันเถอะ-c62125252736>
4. <https://pypi.org/project/face-recognition/>