User Manual

1. Git clone “https://github.com/ziyingb/webimperators”
2. Download MySQL Workbench 8.0 CE
3. Set up new connections

Graphical user interface, text, application, email

Description automatically generated

1. Connection name – webimperators
2. Hostname – remain default (127.0.0.1)
3. Port – remain default (3306)
4. Username – root
5. Password – toor

Once details entered correctly, click ‘OK’.

1. Create Database using SQL Query

CREATE DATABASE webimperators;

USE webimperators;

CREATE TABLE `user` (

`userid` int NOT NULL AUTO\_INCREMENT,

`email` varchar(50) NOT NULL,

`password` varchar(50) NOT NULL,

`username` varchar(50) DEFAULT NULL,

`secret` varchar(50) DEFAULT NULL,

PRIMARY KEY (`userid`)

) ENGINE=InnoDB AUTO\_INCREMENT=0 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

CREATE TABLE `img\_dataset` (

`img\_id` int(11) NOT NULL,

`img\_person` varchar(3) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

CREATE TABLE `prs\_mstr` (

`prs\_nbr` varchar(3) NOT NULL,

`prs\_name` varchar(50) NOT NULL,

`prs\_active` varchar(1) NOT NULL DEFAULT 'Y',

`prs\_added` datetime NOT NULL DEFAULT CURRENT\_TIMESTAMP

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

ALTER TABLE `img\_dataset`

ADD PRIMARY KEY (`img\_id`);

ALTER TABLE `prs\_mstr`

ADD PRIMARY KEY (`prs\_nbr`);

Graphical user interface, text

Description automatically generated with medium confidence

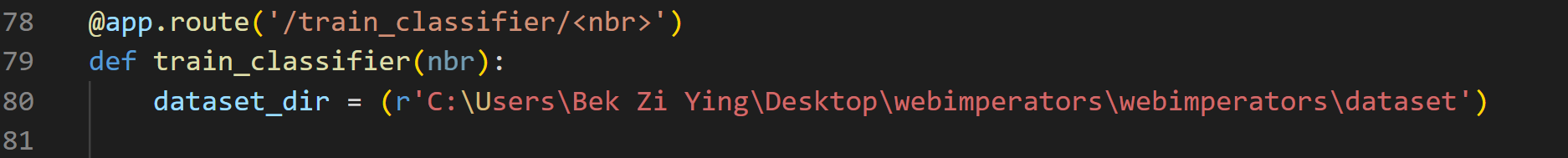
1. Install libraries

Open command-line tool(cmd).

Type “pip install -r requirements.txt”

1. Change directory

Change the directory to where the dataset images to be saved.



1. Run Program

In cmd, type “python app.py”.

Open <http://127.0.0.1:5000> in browser.

Logo, company name

Description automatically generated

If successful, the index page will be shown as above.

1. Prepare webcam

Make sure your camera on your computer is open.

1. Prepare phone

Make sure you have a working smartphone.

Download Google Authenticator app.