

# **Team2332 – Cyclops**

## **User Manual**

### **Installation Instructions**

Facial Recognition System Installation Requirements:

- Python >= 3.11
- OpenCV
- NumPy
- PyMySQL

After the requirements mentioned are setup on the computer, both the face recognition and the human counting system must be run when the restaurant starts to operate. Both of the applications will continuously analyze the data given through the cameras provided. A scheduler will be setup so that the applications will run and terminate at the working hours of the restaurant.

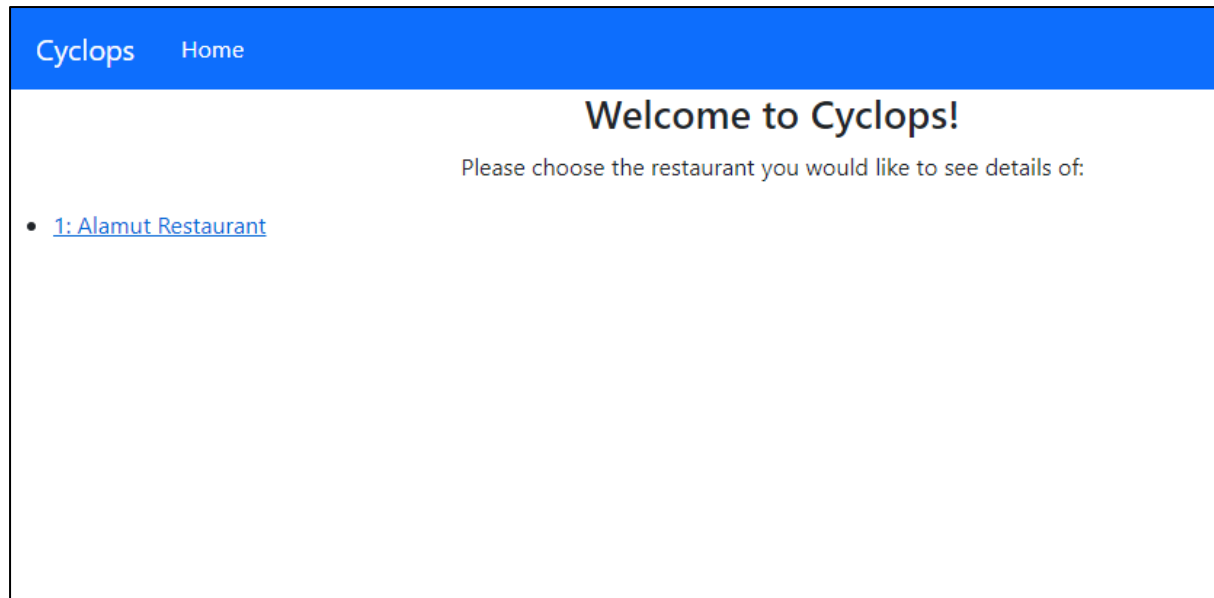
A manager account will be created by us for each restaurant after a deal is made with them. Then, restaurant owners will be able to run the application on a computer in their restaurants and they will be able to access the management website through a link.

Customers do not need to install anything, and will simply be able to use a link to connect to the web application.

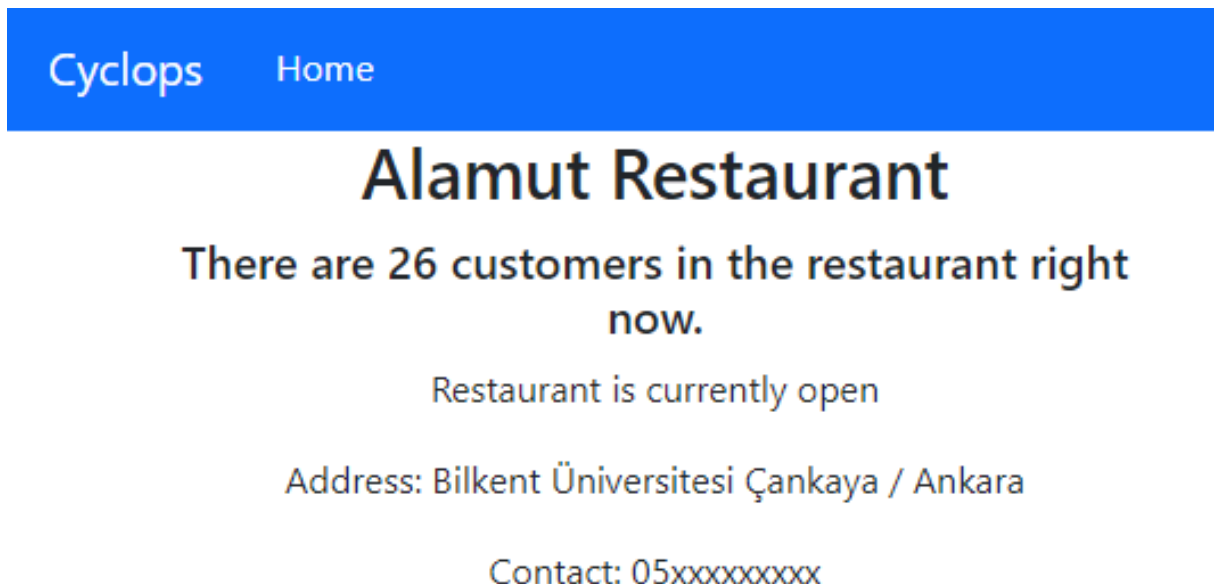
## Usage Guide

### Customer View

Upon logging in to the website, customers are greeted by the home page. There, they can see a list of all restaurants within the system, and choose one to view detailed information about a restaurant.



After choosing a restaurant from the list, they will see detailed information about the chosen restaurant.



## Manager View

The manager can use the navigation bar located at the top of the page to visit multiple pages.

On the Restaurant page the manager is able to view data about their restaurant. This includes the number of customers currently in the restaurant and a graph showing customer density.



Note that the graph on the right side of the page does not show data in this image because the system is not currently connected to a restaurant and does not contain valid data.

On the Customers page the restaurant manager is able to view a list of the customers currently in the restaurant.

**Cyclops** Home Login Register Restaurant Customers Orders

Please choose the user you would like to inspect:

**Customer #1**

Name: Ali

Surname: Urkaya

Sex: Male

Age: 31

**Customer #2**

Name: Kaan

Surname: Kurçer

Sex: Male

Age: 32

**Customer #3**

Name: Özgür

Surname: Abi

Sex: Male

Age: 33

On the Orders page the manager is able to view the orders given in the restaurant by each customer. These orders are used to determine favourite meals.

Cyclops   Home   Login   Register   Restaurant   Customers   Orders	
Order List	
Order #1	
Order ID: 1	
Customer: Ali Urkaya	
Table ID: 1	
Order: Moğol İşi Tavuk	
Order #2	
Order ID: 2	
Customer: Kaan Kurçer	
Table ID: 1	
Order: Kung Pao Tavuk	
Order #3	
Order ID: 3	
Customer: Özgür Abi	
Table ID: 2	
Order: Teriyaki Tavuk	