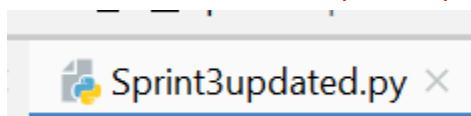


Sprint 3 app documentation - Food Recommender App (How it works)

* The only difference between Sprint 4 app and the mid term App lies with the type of GUI used and the design of the app*

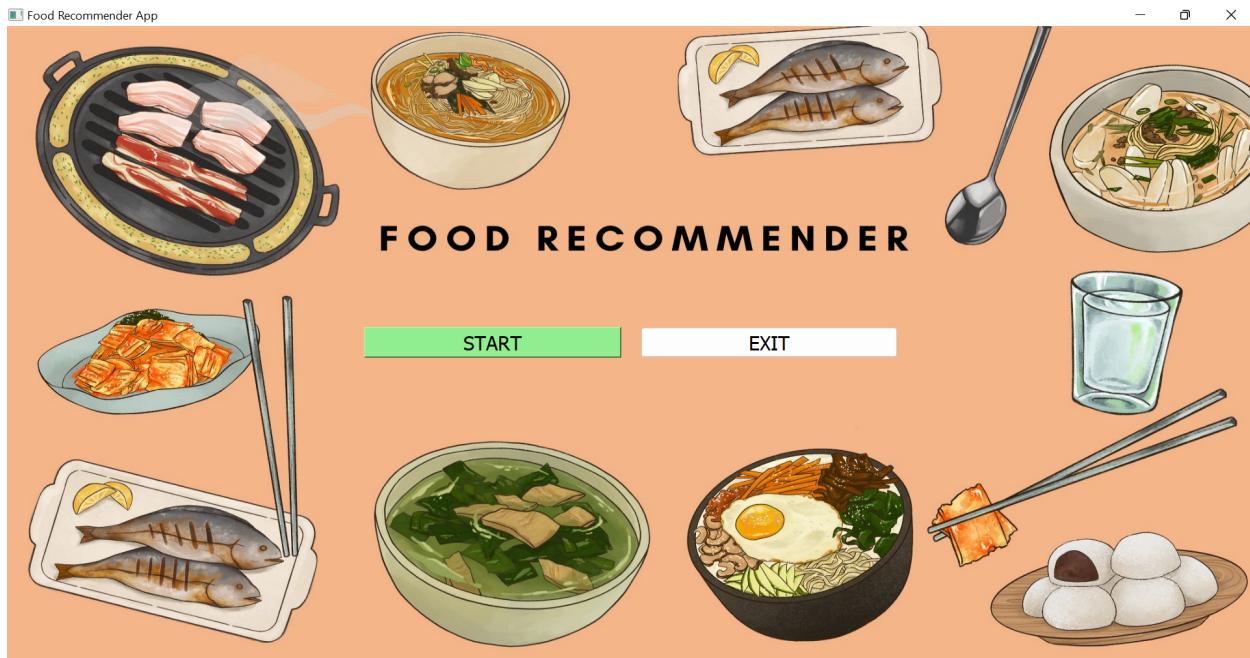
Step 1- Launching the App

After the installation of all libraries , you can run the “Sprint3updated.py” from **SPRINT 3 folder** and you should see this . *If it's not showing up or in the import area , you see any red lines, do install the respective packages*

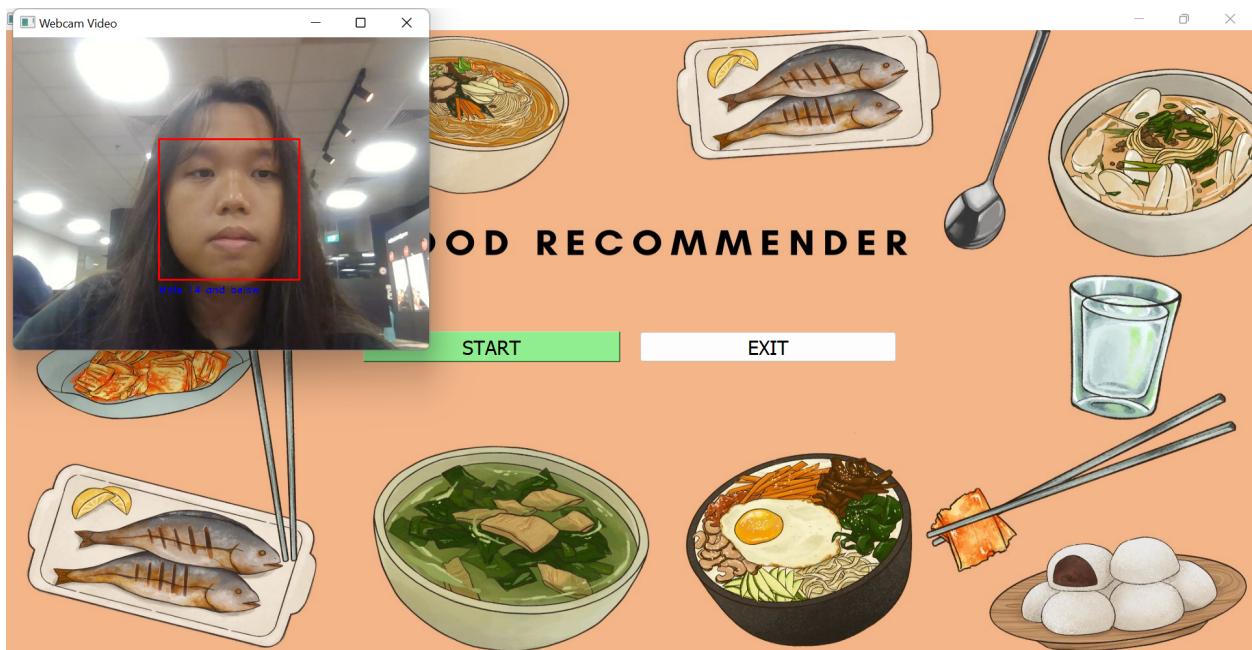


Step 2- Click on the “Start ”button

Once the button is clicked , face.py will run and the facial recognition will detect your age and gender and it'll auto off in 5 seconds. ** remember to pluck in your tobii pro eye detector device else you will face trouble in the next step.*



Face recognition window will pop up to detect your age and gender and where appropriate , if your age and gender is scanned correctly , press “q” on your keyboard. DO make sure that the caps lock is not on.



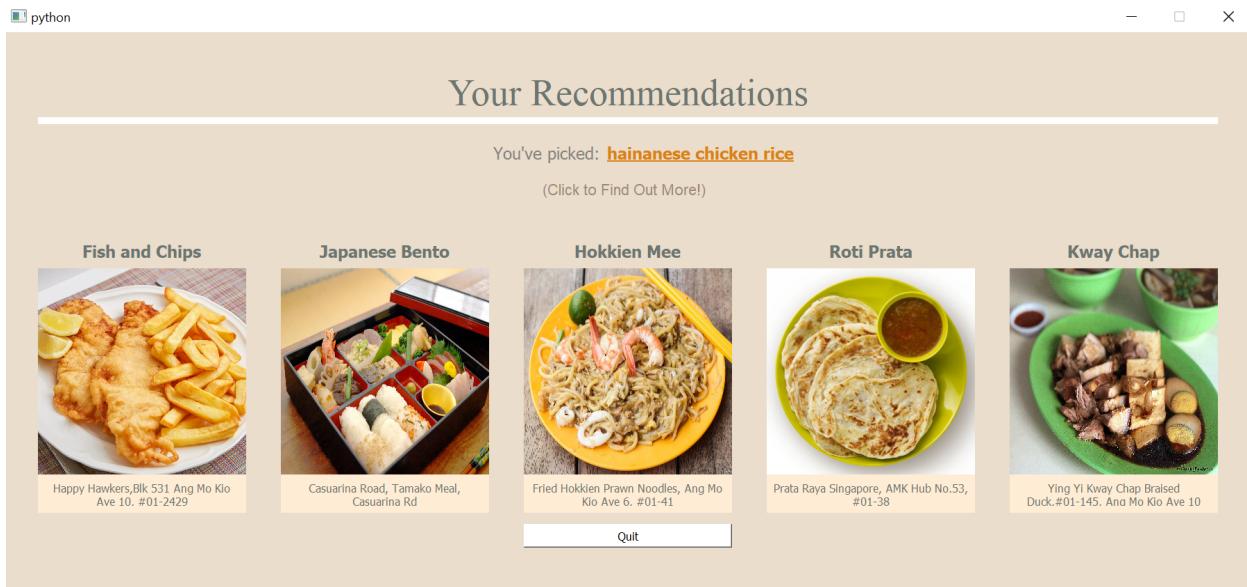
Step 3- Gaze at the food that you like

The tobii eye detector device will capture your gaze and it will tally which food that's on screen has the most number of gaze from your eyes and that particular food will be assigned to "most_looked".



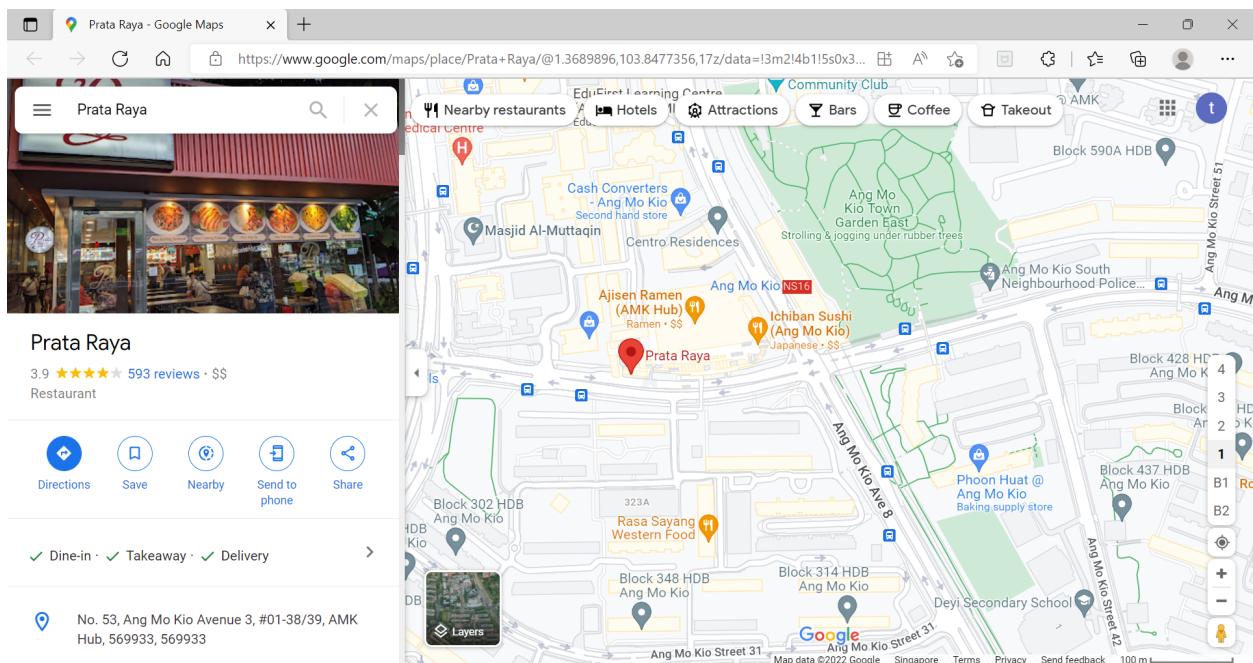
Step 4- Recommended Food

With the age , gender and 1 food data from the previous step , our model will recommend to you the top 5 food items based on a group of similar users that are similar to you.
i.e (they are of the same age group , gender and also pick this 1 food -> then the top 5 food that keeps appearing in this group will be recommended to you)



With the age , gender and 1 food data from the previous step , our model will recommend to you the top 5 food items based on a group of similar users that are similar to you.
i.e (they are of the same age group , gender and also pick this 1 food -> then the top 5 food that keeps appearing in this group will be recommended to you)

Step 5- Click on the images or the Underlined course beside “You’ve picked:”



It will direct user to the food locations on google map where they can look at the ratings and possible transposition route to that area

Step 6- Heat Map

If you shift the recommended food aside , you can see that there's a heat map beneath it. This heatmap is generated from the gaze data that was collected earlier, so you can cross check if you're looking at the “right food”.

