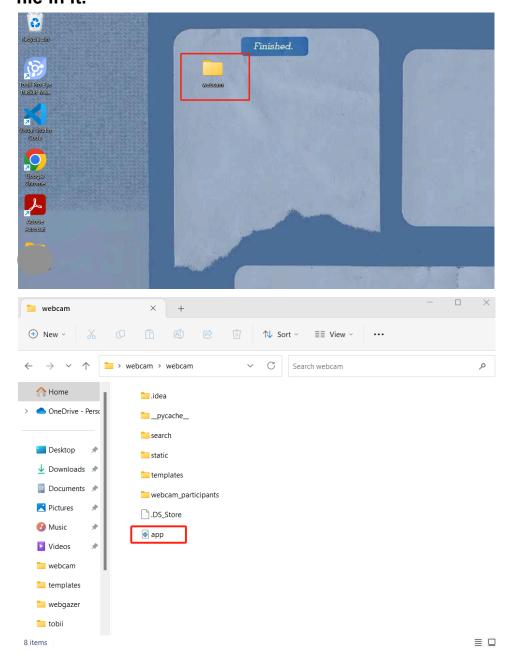
Webcam Eye Tracker Instruction

Note: Identifiable information is currently obscured with a gray box for double-blind purposes.

Section A - Before Task

1. Locate the webcam directory on Desktop and find the app.py file in it.



- 2. Run app.py file. There may be two ways (Terminal / IDE):
 - a. Run app.py using Terminal

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users

Data/Local/Programs/Python/Python38/python.exe c:/Users

Order of stimuli:[6, 7, 11, 10, 17, 15, 20, 24, 22, 3, 21, 19, 0, 13, 4, 5, 23, 2, 18, 14, 1, 8, 12, 9, 16, 100, 25, 36, 34, 26, 29, 30, 32, 31, 27, 28, 33, 35]

cannot find eyetracker

* Serving Flask app 'app'

* Debug mode: on

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSG

I server instead.

* Running on https://127.0.0.1:9999

Press CTRL+C to quit

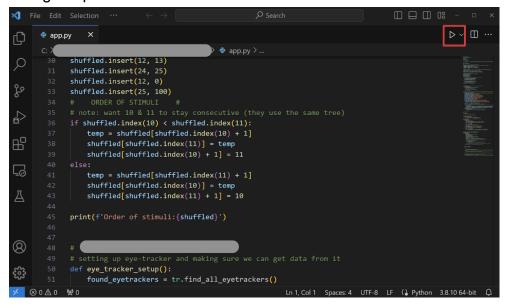
* Restarting with stat

Order of stimuli:[21, 7, 17, 22, 23, 6, 12, 24, 18, 14, 9, 3, 0, 13, 4, 20, 11, 10, 15, 5, 2, 8, 19, 16, 1, 100, 25, 32, 33, 26, 28, 36, 31, 30, 29, 35, 34, 27]

cannot find eyetracker

* Debugger PIN: 108-334-022
```

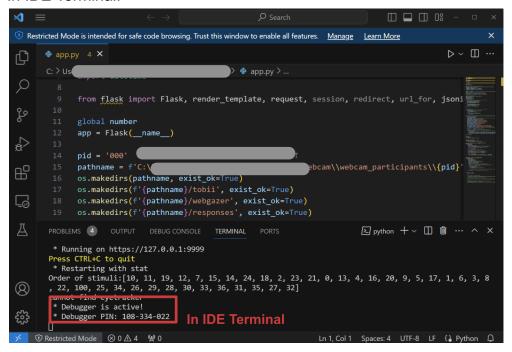
b. Run app.py using IDE (e.g., VS Code): you may click the start button on the right top



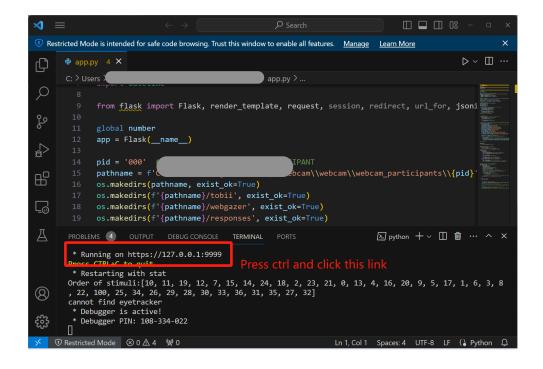
3. When you see the following information in your Terminal or IDE Terminal, it means the Webcam Eye Tracker is running successfully:

In Terminal:

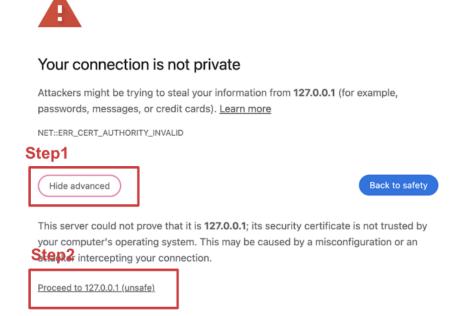
In IDE Terminal:



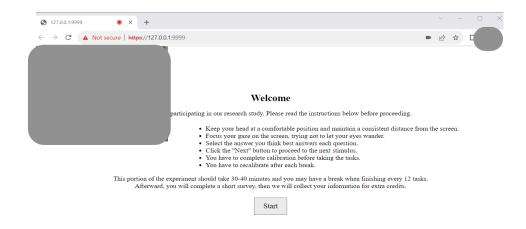
4. Next, open this link in your browser https://127.0.0.1:9999 (We recommend using Chrome). If you want to open the link through IDE or Terminal directly, you may press ctrl and click the link at the same time:



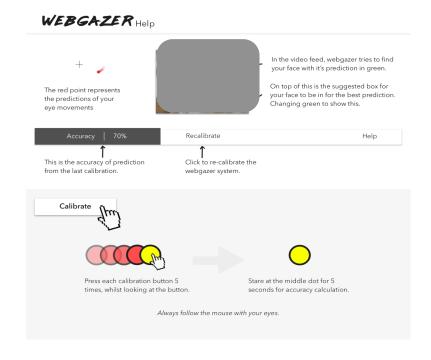
- 5. Make sure to MAXIMISE the browser window before the next step!
- 6. You may see this page first. Follow the steps below:



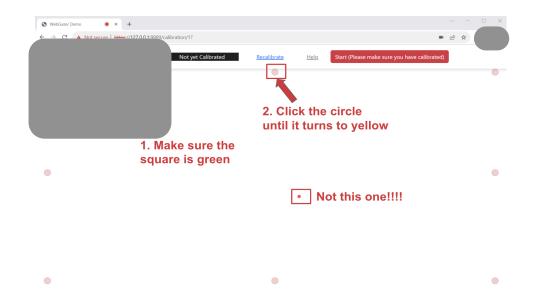
7. Next, you will see the welcome page and a small window on the top left of the page in some seconds, and then you are ready to start:



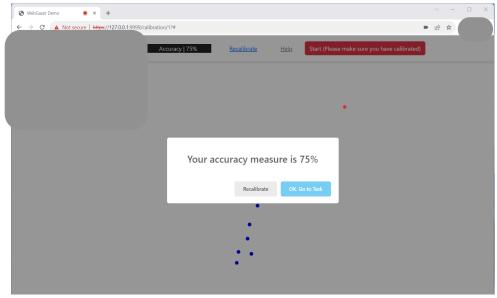
- 8. Next, you will be directed to the calibration page and do a calibration yourself.
 - a. How to calibrate yourself: please click all the red circles on the page until they turn yellow. When you complete the calibration, you will receive a notification and see your calibration accuracy on the left top of the page. If the accuracy is **below 70%**, **please recalibrate!**



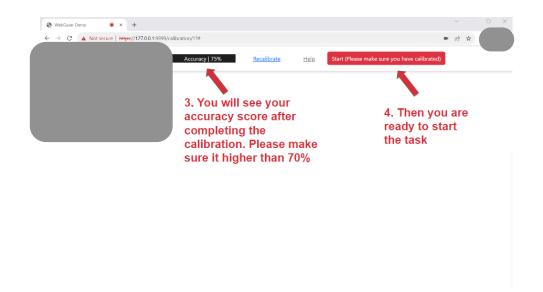
b. The calibration page looks like this:



c. After you click all of the 9 circles and make them turn yellow, you will see your accuracy score on the left top of the page:



d. If the score exceeds 70%, you can click the Start button on the top of the page to start your tasks.



e. You will have a break during the task, and you will be directed to the calibration page after the break. So please repeat these procedures when you do the calibration yourself, thank you:)

Section B - After Task

9. After you complete all of the 20 tasks, you will see this completion page and you can then close your browser. Don't forget to stop the app.py file in the terminal using ctrl+c



Thank you so much for your participation again. We really appreciate your time! Please let me know if you have any questions!