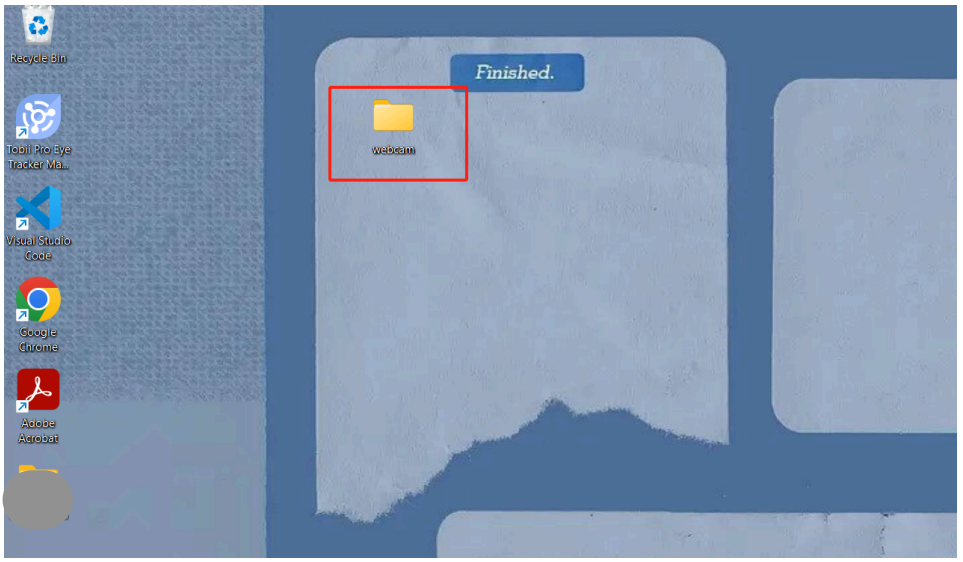
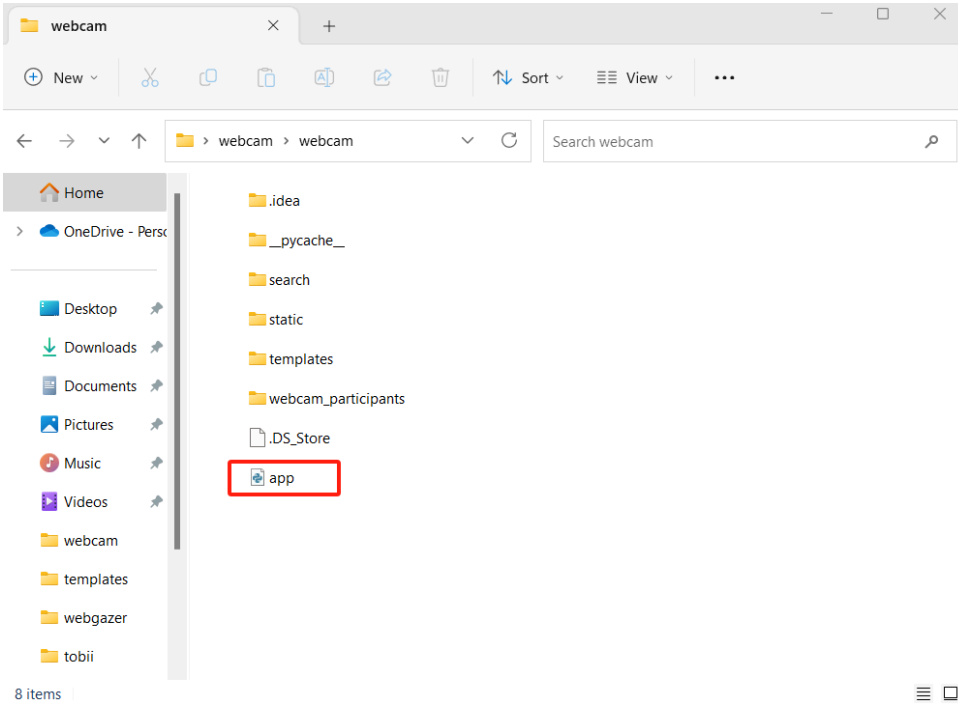
# Webcam Eye Tracker Instruction

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

## Section A - Before Task

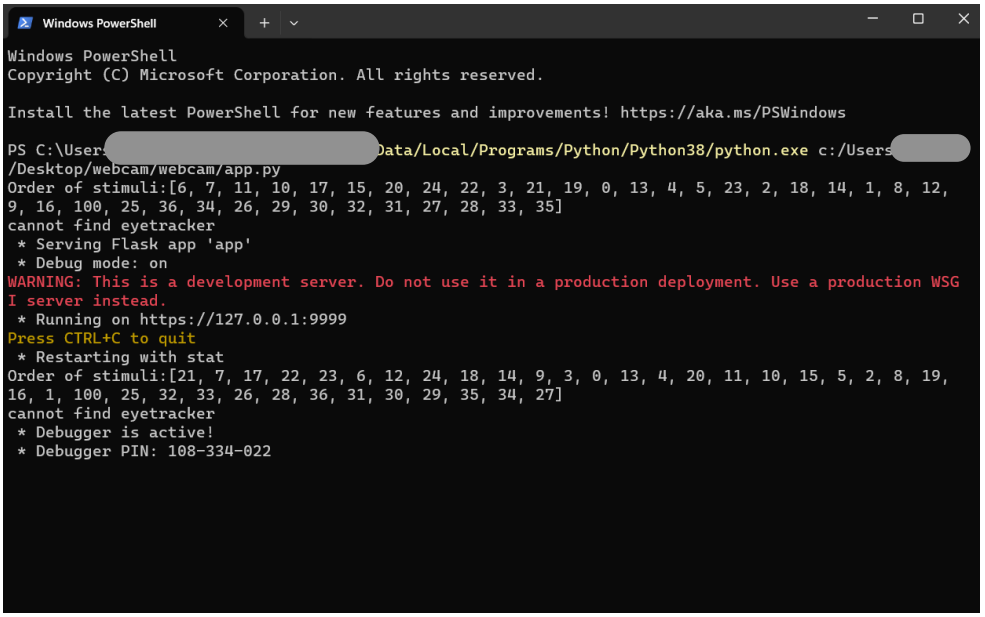
1. **Locate the `webcam` directory on Desktop and find the `app.py` file in it.**



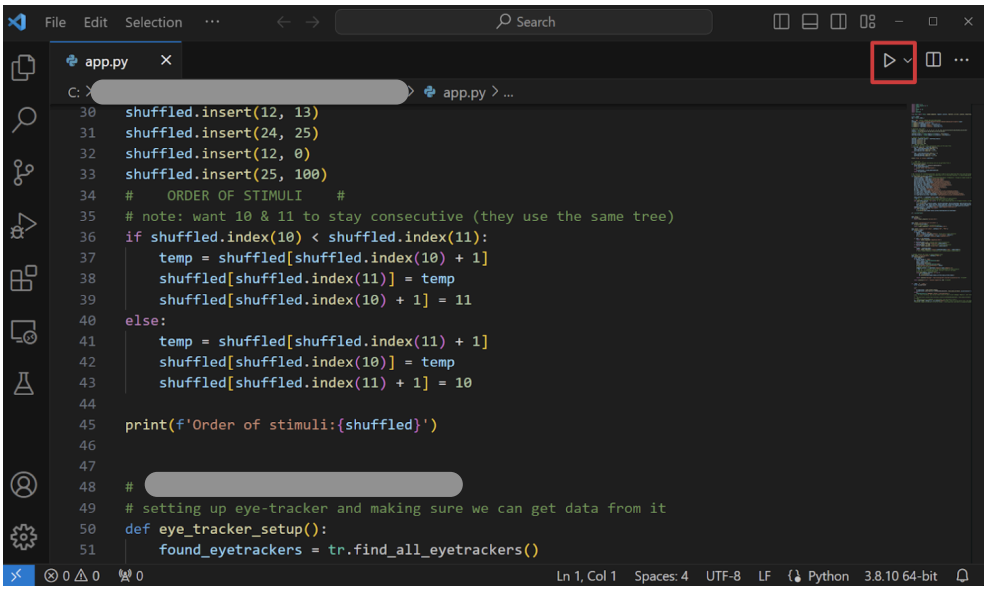




2. **Run app.py file. There may be two ways (Terminal / IDE):**

   a. Run `app.py` using Terminal

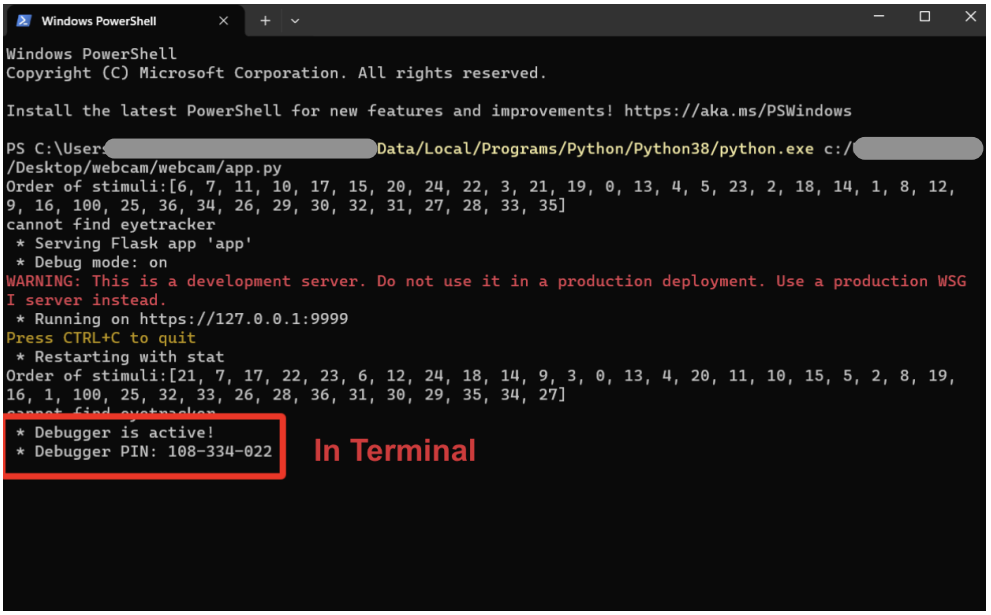



b. Run `app.py` using IDE (e.g., VS Code): you may click the start button on the right top

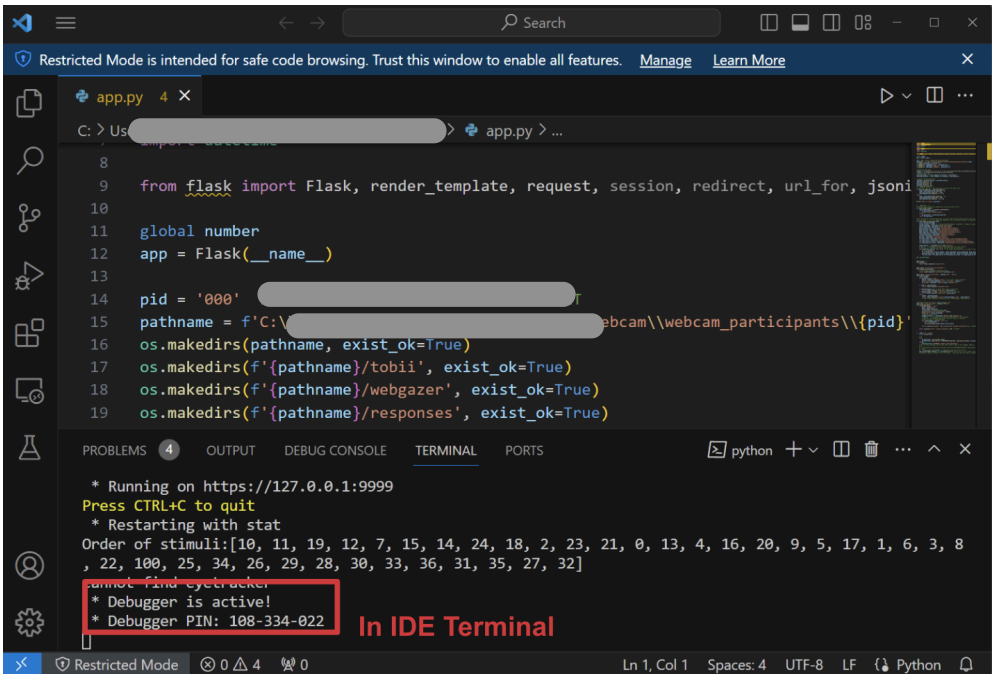



## 3. When you see the following information in your Terminal or IDE Terminal, it means the Webcam Eye Tracker is running successfully:

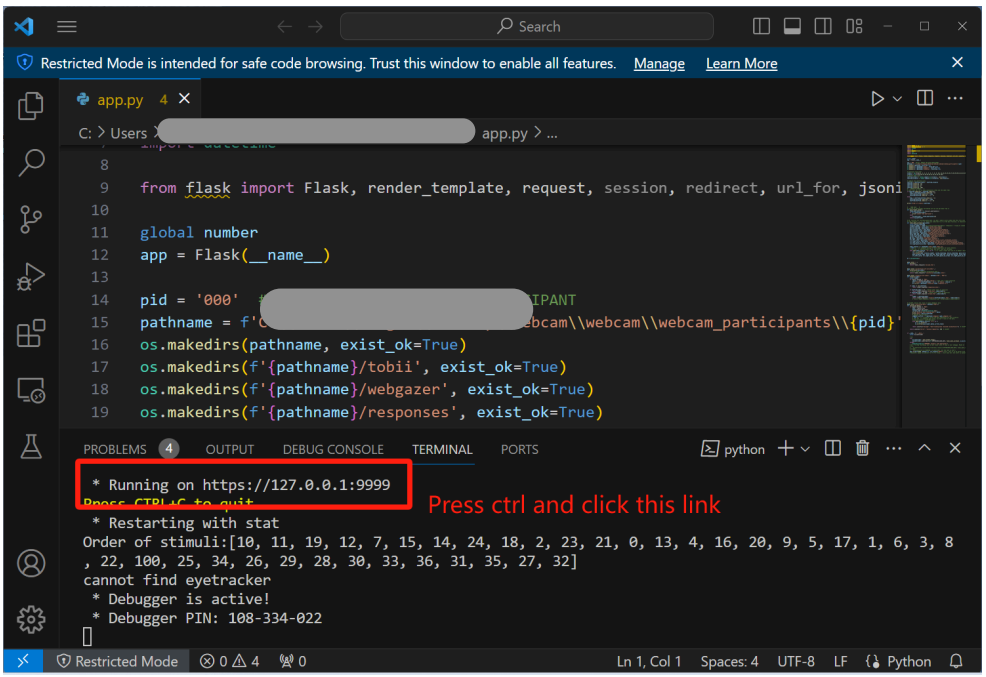
In Terminal:




In IDE Terminal:

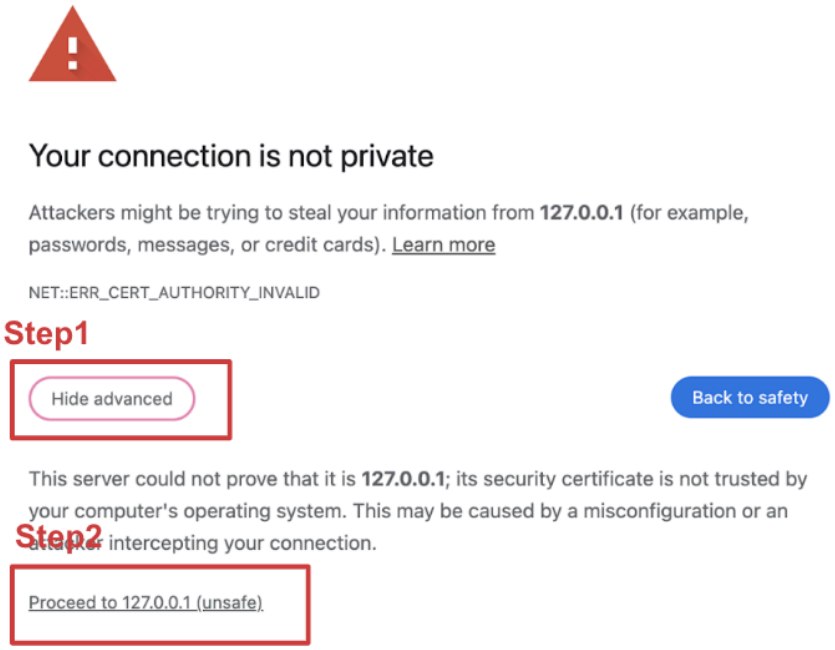



4. **Next, open this link in your browser https://127.0.0.1:9999 (We recommend using Chrome). If you want to open the link through IDE or Terminal directly, you may press `ctrl` and click the link at the same time:**

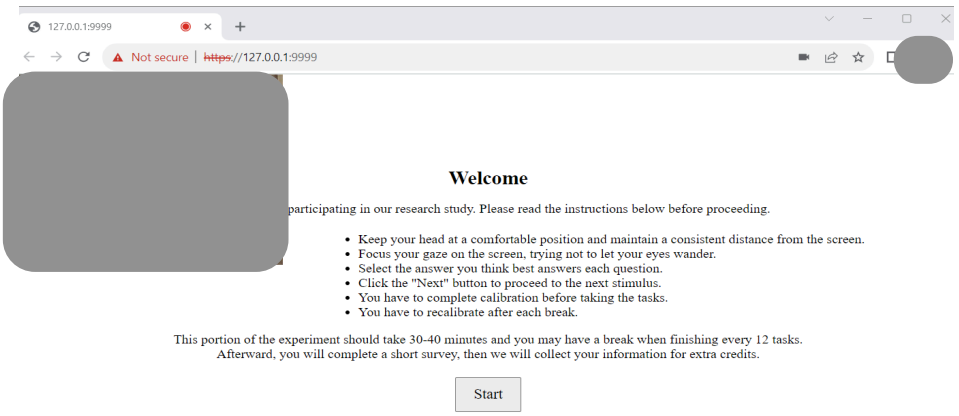



**5. Make sure to MAXIMISE the browser window before the next step!**

**6. You may see this page first. Follow the steps below:**

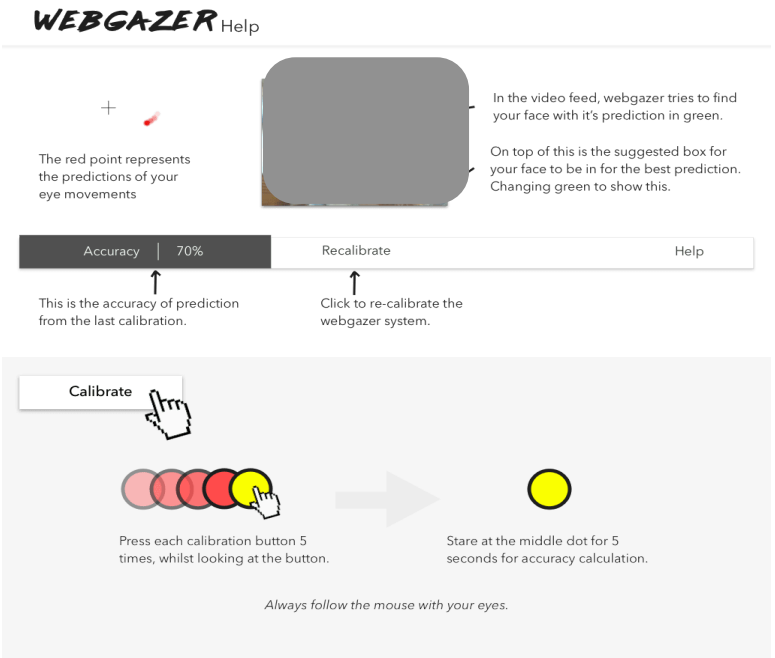



**7. Next, you will see the welcome page and a small window on the top left of the page in some seconds, and then you are ready to start:**

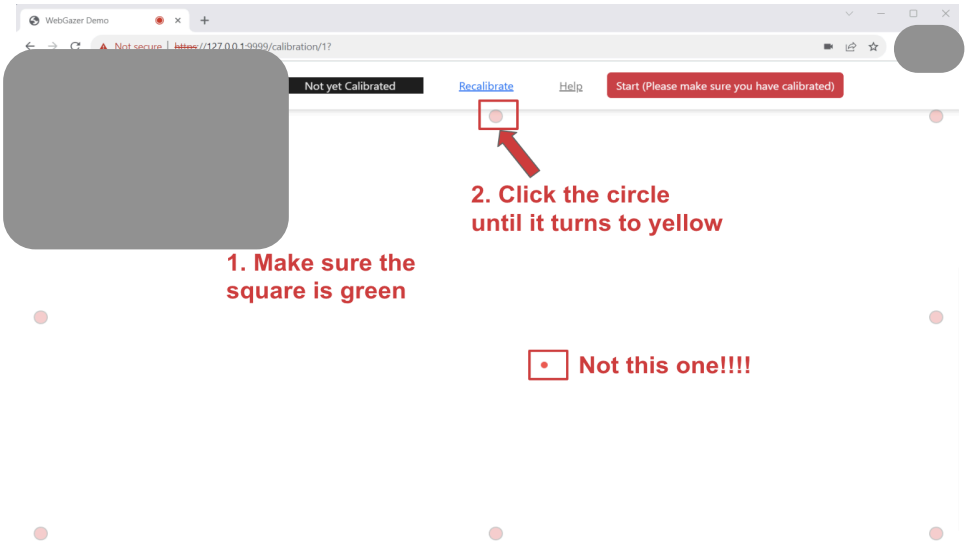



8. **Next, you will be directed to the `calibration` page and do a `calibration` yourself.**

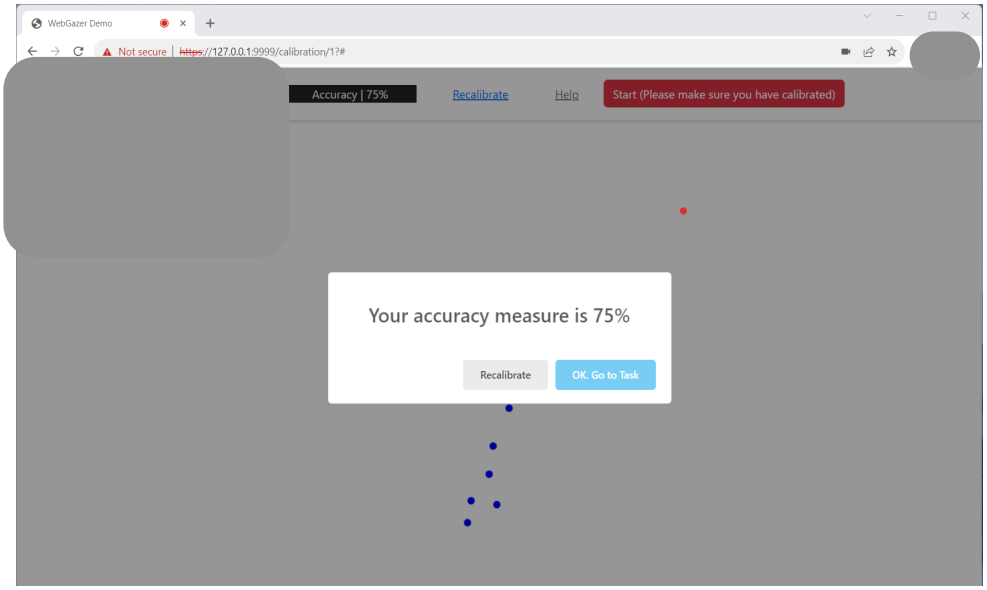
    a. How to calibrate yourself: please click all the red circles on the page until they turn yellow. When you complete the calibration, you will receive a notification and see your calibration accuracy on the left top of the page. If the accuracy is **below 70%, please recalibrate!**



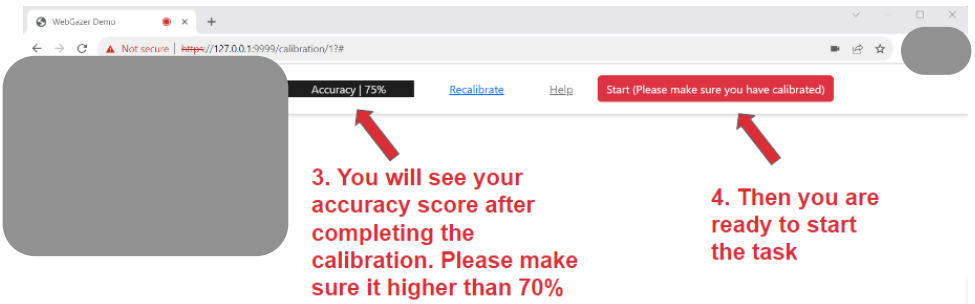

    b. The calibration page looks like this:




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:



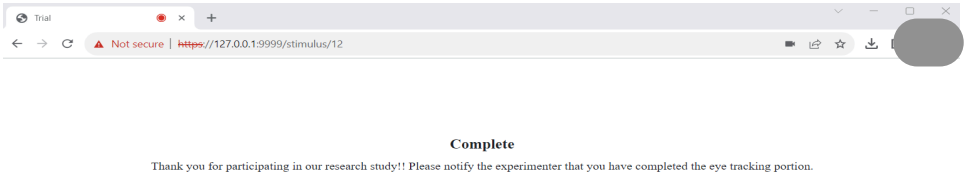

d. If the score exceeds 70%, you can click the Start button on the top of the page to start your tasks.




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!**